# IDENTIFYING TECHNICAL PUBLICATION SHEET

## I. PURPOSE.

This technical publication sheet is issued for the purpose of identifying commercial off-the-shelf manuals for support of the KC-135 Operational Flight Trainer System.

A/F37A-T87/T88
A/F 24U-7

BOEING MILITARY AIRPLANES
F33657-85-C-0020

## BACKPANEL MANUAL WITH WIRE LIST
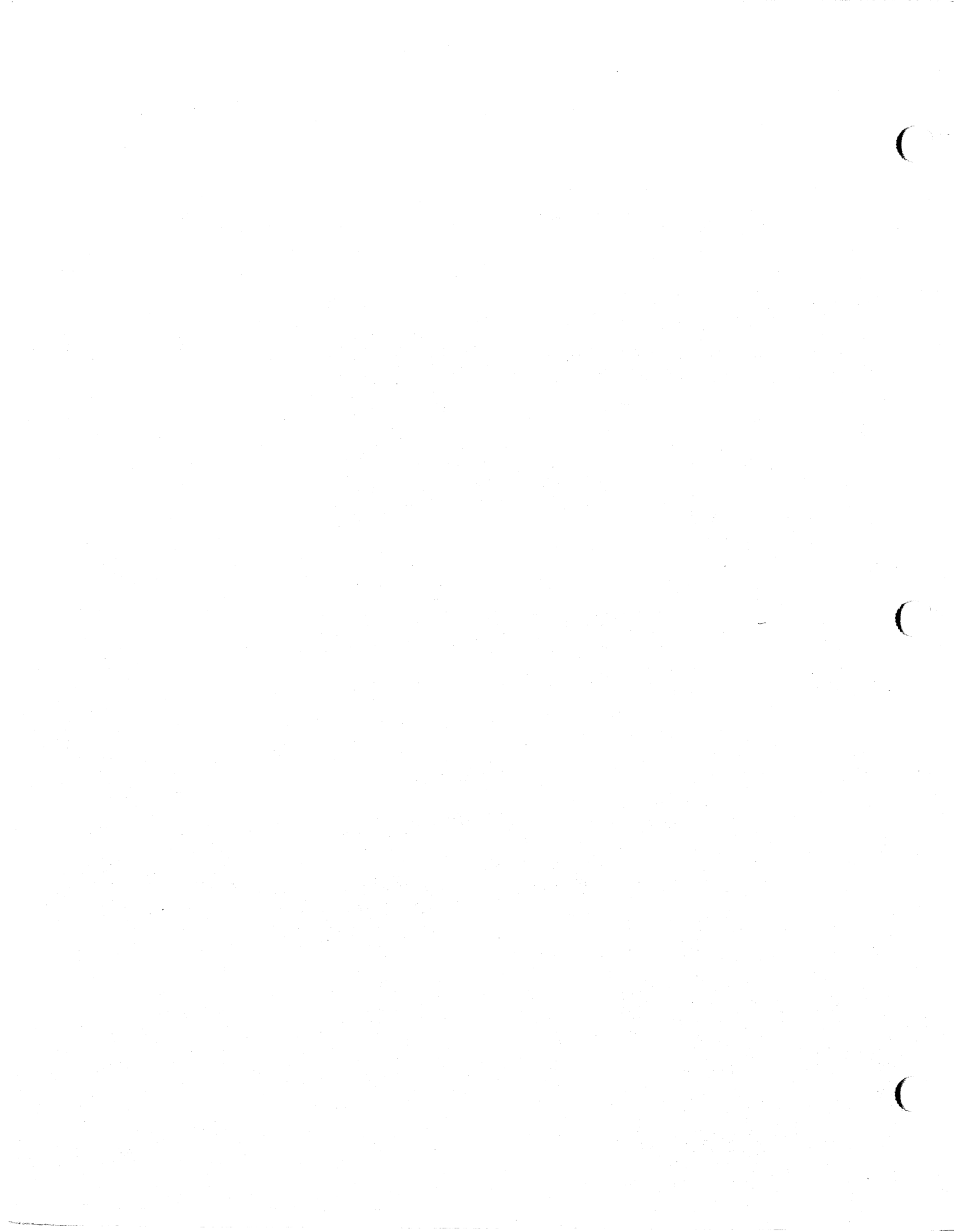## DISPLAY PROCESSOR BACKPANEL

901181-638B

April 1989

Manufacturer:      Evans and Sutherland Computer Corp
580 Arapeen Dr
Salt Lake City, Utah 84108

## II. SUPPLEMENTAL DATA.

Supplemental data attached.

| LIST OF EFFECTIVE PAGES |
|---|

INSERT LATEST CHANGED PAGES. DESTROY SUPERSEDED PAGES.

NOTE: TOPS data pages do not supersede pages of basic technical manual. TOPS data page shall be inserted facing amended page in basic technical manual. Remove superseded and deleted TOPS pages. Add new or superseding TOPS pages contained in this change.

**Dates of issue for original and changed pages are:**

Original ......... 0 ............ 15 August 1988
Change ......... 1 ............ 1 April 1990
Change ......... 2 ............ 15 December 1995; PCR 950418116
Change ......... 3 ............ 1 August 1996; PCR 960306145

**TOTAL NUMBER OF PAGES IN THIS SUPPLEMENT IS 4 CONSISTING OF THE FOLLOWING:**

| †Page No. | *Change No. | †Page No. | *Change No. | †Page No. | *Change No. | †Page No. | *Change No. |
|---|---|---|---|---|---|---|---|
| Title | 3 | | | | | | |
| A | 3 | | | | | | |

**TOPS pages in COTS manual:**

| †Page No. | *Change No. |
|---|---|
| ii | 3 |
| 2-4 | 3 |

†Vendor issued effectivity pages for each chapter still apply. They will not be changed; they are retained as a historical record. Only pages that have been changed due to Government Approved PCRs or Projects will be listed in this column.
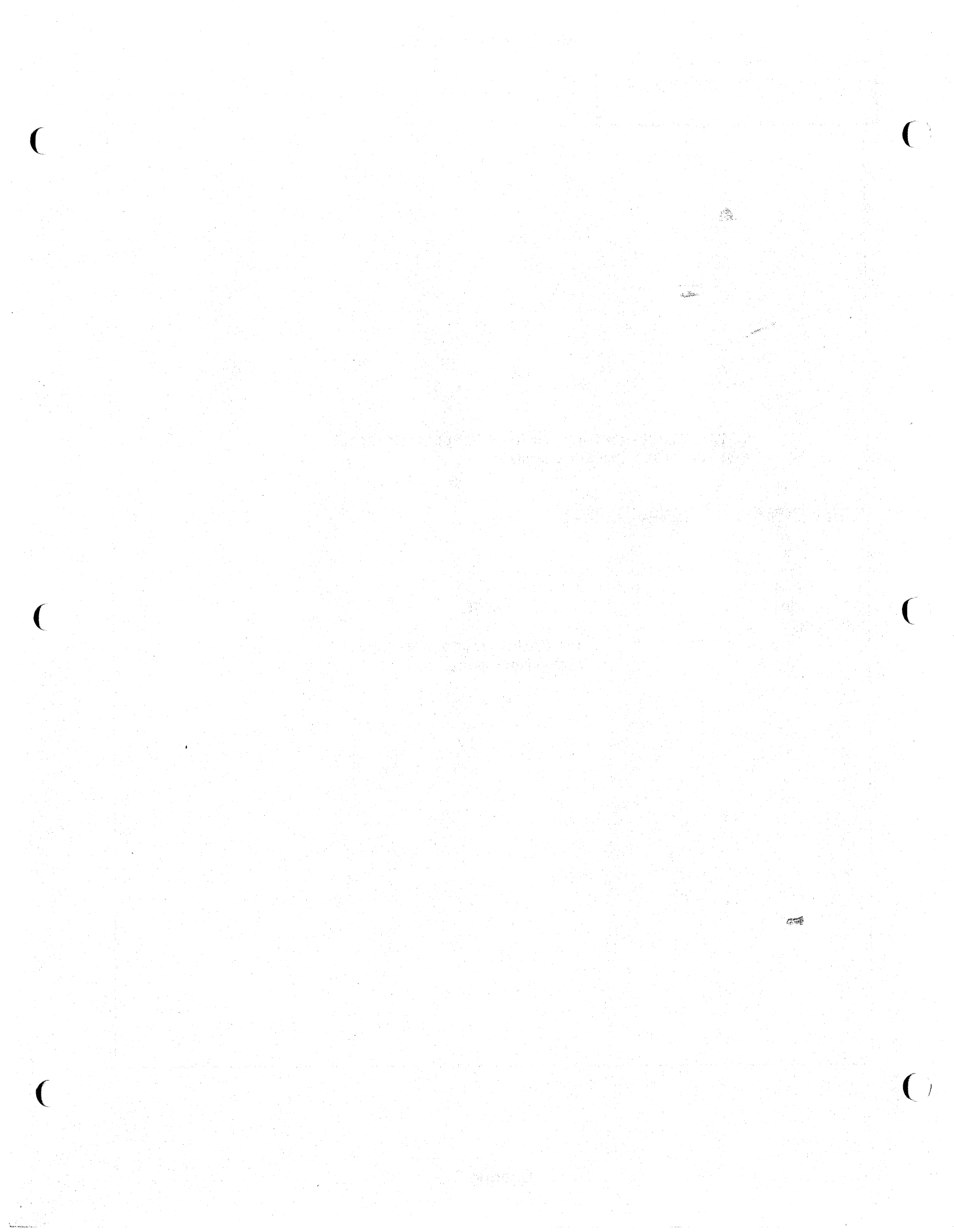* Zero in this column indicates an original page

## LIST OF EFFECTIVE PAGES

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 122
CONSISTING OF THE FOLLOWING:

| PAGE NUMBER | | | CHANGE NUMBER |
|---|---|---|---|
| i | - | iii | 0 |
| a | | | 0 |
| 1-1 | - | 1-4 | 0 |
| 2-1 | - | 2-4 | 0 |
| WIRE LIST: | | | |
| 1 | - | 113 | 0 |

NOTE

The wire list has its own separate numbering system.

## CONTENTS

## ILLUSTRATIONS

The symbols and their meanings to be used within this manual for warnings, cautions and notes are listed below:

## WARNING

An operating or maintenance procedure, practice, condition, statement, etc., which, if not strictly observed, could result in injury to or death of personnel.

## CAUTION

An operating or maintenance procedure, practice, condition, statement, etc., which, if not strictly observed, could result in damage to, or destruction of, equipment or loss of mission effectiveness.

## NOTE

An essential operating or maintenance procedure, condition, or statement, which must be highlighted.

## SAFETY SUMMARY

The following general safety precautions are not related to any specific procedures and therefore do not appear elsewhere in this publication. These are recommended precautions that personnel must understand and apply during many phases of operation and maintenance.

## KEEP AWAY FROM LIVE CIRCUITS

Operating personnel must at all times observe all safety regulations. Do not replace components or make adjustments inside the equipment with high voltage supplies turned on. Under certain conditions, dangerous potentials may exist when the power controller is in the OFF position because of charges retained by capacitors. To avoid casualties, always remove power and discharge and ground a circuit before touching it.

## DO NOT SERVICE OR ADJUST ALONE

Under no circumstances should any person reach into the enclosure for the purpose of servicing or adjusting the equipment except in the presence of someone who is capable of rendering aid.

## RESUSCITATION

Personnel working with or near high voltages should be familiar with methods of resuscitation.

# SECTION I

# INTRODUCTION

## 1-1. INTRODUCTION

This manual contains general information and the wire list (or string list) for the backpanel.

## 1-2. WIRE LISTS DESCRIPTION

A wire list (or string list) is a computer listing that describes the pin-to-pin wiring found on a backpanel. These lists are used in conjunction with the logic illustrations to trace signals from card to card through the backpanels. The following subsections tell how to use the lists:

| SECTION | TITLE |
|---|---|
| 1.2.1 | Backpanel Numbering System |
| 1.2.2 | How to Read a Wire List |

1-2.1 Backpanel Numbering System. The backpanel (see Figure 1-1) is a signal interconnection and power distribution device for the printed circuit cards. Connections consists of either a single wire connecting two pins or an electrically continuous string of such wires connecting a group of pins. Each wire or string is given an alphanumeric name corresponding to the signal it carries. The backpanel string names will not always correspond to the names on the card logic diagrams.

The backpanel numbering system is shown in Figure 1-1. The panel contains 96 card slots (numbered 1 to 96) arranged in three rows of 32 cards each. Each printed circuit card connector appears as 80 pins arranged in two columns of 40 on the wire-wrap side of the backpanel. The card connector pins are numbered 1 to 80 on each slot.
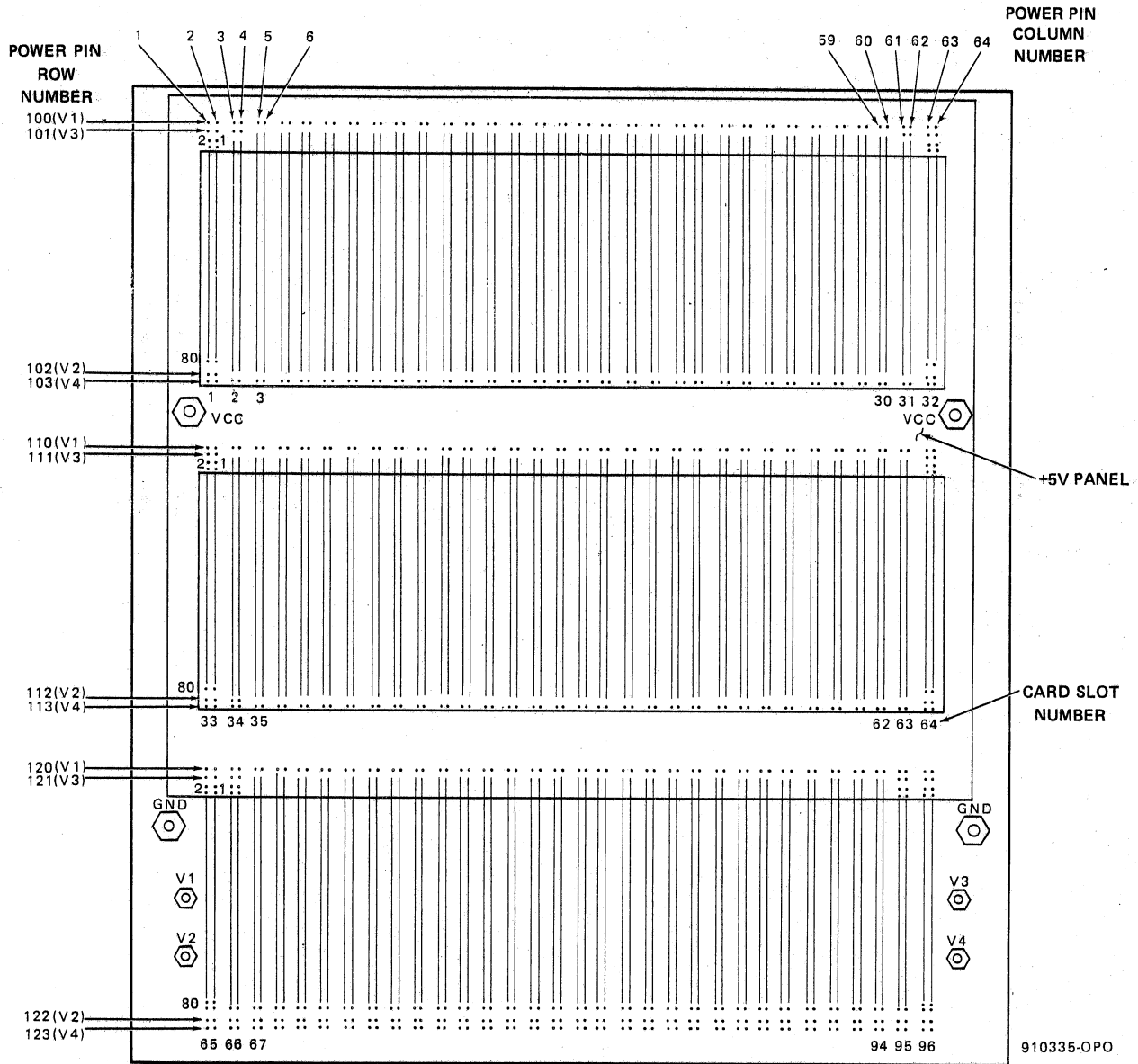
Figure 1-1.  Backpanel Card and Pin Numbering System.

1-2.2.   How To Read a Wire List.   Backpanel wire-wrap connections are represented by a computer-generated string list rather than schematics.   In order to make signal tracing possible, the string list is divided into two parts:   a slot-to-card list and a pin-to-string list.   The function and use of each are described below.

1-2.2.1   Slot-to-Card List.   The slot-to-card list (on page 1 of the string list) tells what card each backpanel slot is wired to receive.   A typical entry is as follows:

                    62   200170-100

This line entry says that slot 62 is wired for card 200170-100.   Depending on the system configuration, certain wired slots may not contain cards.

1-2.2.2   Pin-to-String List:   The pin-to-string list is a pin-by-pin numerical listing of all pins on the backpanel.   It begins on page 2 and constitutes the rest of the list.   The first column (SLOTPIN) is the backpanel card-slot/pin number, the second column (CARD SIGNAL NAME) is the name of the pin(s) signal on the card(s) logic diagram, the third column (STRING NAME) is the name of the wire string that connects this pin to the others in the string, and the last column (STRING PINS) lists all the pins in the string in the same slot/pin format as the first column.

A # symbol next to the pin number identifies that pin as a signal source or driving pin.   The # symbol may also appear on pins that are not considered as drivers, such as card power supply pins, capacitors, and resistors.   No # indicates driven pins.   Twisted-pair wires are listed as a two-line entry in each column.   The first line in the column is the slot/pin number for the white (signal) wire of the twisted pair.   The second line of the entry is the black (return) wire; this entry is enclosed in brackets.   The black, or return, wires of two nonrelated twisted-pair strings may occasionally be tied together.   This fact will not be indicated in the wire lists.

### 1-3. HOW TO TRACE SIGNALS THROUGH A BACKPANEL

Tracing signals from card to card through a backpanel requires the use of the following three documents:

    1)    card logic illustrations
    2)    slot-to-card list (or backpanel card allocation chart)
    3)    pin-to-string wire list

The steps for tracing a signal are as follows:

    1)    Find the card pin number of the signal from the card logic illustration.

    2)    Find the backpanel slot number of the card by looking at the backpanel or by checking the slot-to-card list.

    3)    Look up the slot and pin number in the pin-to-string wire list.

    4)    Find all slots and pins that the string connects to by looking at the STRING PINS column of the wire list.

    5)    Find the part numbers of the cards that the string connects to by looking at the backpanel or by looking up the slot numbers found in step 4 in the slot-to-card list.

    6)    Trace the signal inside the card by looking at the card logic illustration.

**SECTION II**

**WIRE LIST DATA**

## 2-1. INTRODUCTION

This section contains the card allocation chart and wire list (or string list) for this backpanel.

2-1.1 <u>Allocation Chart</u>.  This chart indicates available backpanel slots and the cards that the slots are wired to accept.

2-1.2 <u>Wire List</u>.  The wire list contains the information as indicated in Table 2-1.

Table 2-1.  Wire List Information

| Column | Description |
|---|---|
| Slot | Indicates slot where pin is located. |
| Pin | Denotes the specific pin where the signal originates. |
| Card Signal Name | Name of signal at originating card. |
| String Name | Name of specific pin-to-pin wiring. |
| String Pins | Pins that are included in the string and their sequential order. |

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Insert the following drawings here:
200412-200, 200412-232, 200412-233, 200412-234, 200412-235 for display systems
200412-243, 200412-244 for wide systems
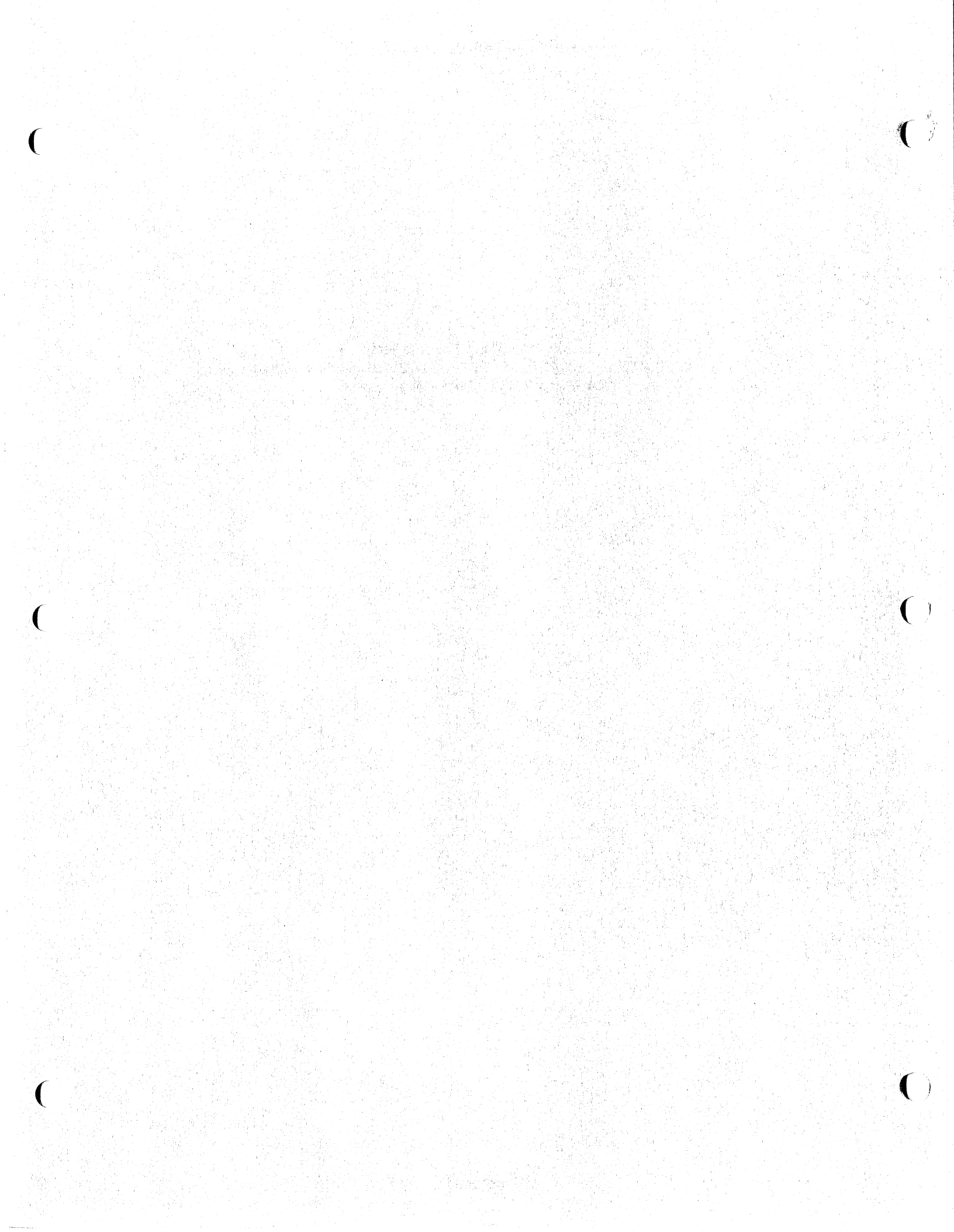
# ORIGINAL

DRAWING NUMBER: 200412-200

| REV | REV. DESCRIPTION | DATE | APPROVED |
|-----|------------------|------|----------|
| AO | RELEASE | 02-27-86 | PLB 3/12/86 |

## CHANNEL 1

| CARD ASSEMBLY | SLOT | BACKPANEL IN CABINET |
|---------------|------|----------------------|
| 200361-100 | 47 | 1 |
| 200362-100 | 48 | 1 |
| 200363-100 | 49 | 1 |
| 200367-102 | 50 | 1 |
| 200364-101 | 51 , 52 | 1 |
| 200374-100 | 53 , 54 | 1 |

## CHANNEL 2

| 200361-100 | 57 | 2 |
|------------|----|----|
| 200362-100 | 58 | 2 |
| 200363-100 | 59 | 2 |
| 200367-102 | 60 | 2 |
| 200364-101 | 61 , 62 | 2 |
| 200374-100 | 63 , 64 | 2 |

## CHANNEL 3

| 200361-100 | 47 | 2 |
|------------|----|----|
| 200362-100 | 48 | 2 |
| 200363-100 | 49 | 2 |
| 200367-102 | 50 | 2 |
| 200364-101 | 51 , 52 | 2 |
| 200374-100 | 53 , 54 | 2 |

## CHANNEL 4

| 200361-100 | 57 | 3 |
|------------|----|----|
| 200362-100 | 58 | 3 |
| 200363-100 | 59 | 3 |
| 200367-102 | 60 | 3 |
| 200364-101 | 61 , 62 | 3 |
| 200374-100 | 63 , 64 | 3 |

## CHANNEL 5

| 200361-100 | 47 | 3 |
|------------|----|----|
| 200362-100 | 48 | 3 |
| 200363-100 | 49 | 3 |
| 200367-102 | 50 | 3 |
| 200364-101 | 51 , 52 | 3 |
| 200374-100 | 53 , 54 | 3 |

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| P. BOYCE 1-2-86 | | SALT LAKE CITY, UTAH 84108 | | |
| CHECKED R. Pedersen 3/11/86 | TITLE | | | |
| MECH/ELEC | INSTALLATION INSTRUCTIONS, CARD SET , SP1 TEXTURE | | | |
| PROJ. ENG. | SIZE | CODE ID | DRAWING NUMBER | REVISION |
| | | | | AO |
| | A | 53938 | 200412-200 | SHEET 1 OF 1 |

# ORIGINAL

| REV | REV. DESCRIPTION | DATE | APPROVED |
|-----|------------------|------|----------|
| A0 | RELEASE | 02-10-86 | PLB |
| A1 | INCORPORATE CARD REDESIGN | 12-4-86 | PLB |

| CARD ASSEMBLY | SLOT(S) | BACKPANEL IN CABINET |
|---------------|---------|----------------------|
| 200107-103 | 46 | 2 |
| 200120-100 | 16 | 1 |
| 200121-100 | 17 | 1 |
| 200122-100 | 18 | 1 |
| 200123-101 | 27 , 28 | 1 |
| 200155-101 | 17 , 18 | 2 |
| 200156-109 | 19 | 2 |
| 200169-101 | 24 | 2 |
| 200158-103 | 32 | 2 |
| 200159-100 | 26 , 28 | 2 |
| 200160-102 | 10 , 11 , 12 , 13 | 2 |
| 200161-101 | 14 | 2 |
| 200162-101 | 20 , 21 , 22 , 23 | 2 |
| 200163-101 | 15 | 2 |
| 200164-102 | 16 | 2 |
| 200165-100 | 6 , 7 , 8 , 9 | 2 |
| 200170-100 | 4 | 2 |
| 200171-102 | 5 | 2 |
| 200172-101 | 2 , 3 | 2 |
| 200173-100 | 1 | 2 |

| CABLE ASSEMBLY | FROM | TO |
|----------------|------|-----|
| 101328-004 | BP1 , SLOT 12 , J1 | BP2 , SLOT 46 , J2 |
| 101328-004 | BP1 , SLOT 27 , J1 | BP2 , SLOT 17 , J2 |
| 101328-004 | BP1 , SLOT 28 , J1 | BP2 , SLOT 18 , J2 |
| 101329-002 | BP2 , SLOT 17 , J1 | BP2 , SLOT 18 , J1 |

Install Bar-code label in the Options Label area of cabinet 2

| DRAWN | EVANS & SUTHERLAND |
|-------|--------------------|
| P.Boyce 12-30-85 | SALT LAKE CITY, UTAH 84108 |

DRAWN
  P.Boyce   12-30-85
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  Olsen 12/15/86
MECH/ELEC

PROJ. ENG.

EVANS & SUTHERLAND
SALT LAKE CITY, UTAH 84108

TITLE

INSTALLATION INSTRUCTIONS
CARD SET, CHANNEL 2 ADDITION, SP1/T , OBJECT FOG

| SIZE | CODE ID | DRAWING NUMBER | REVISION |
|------|---------|----------------|----------|
| A | 53938 | 200412-232 | A1 |
| | | | SHEET 1 OF 1 |

DRAWING NUMBER: 200412-233

| REV | REV. DESCRIPTION | DATE | APPROVED |
|-----|------------------|------|----------|
| A0 | RELEASE | 01-27-86 | PLB |
| A1 | INCORPORATE CARD REDESIGN | 12-4-86 | PKB |

| CARD ASSEMBLY | SLOT(S) | BACKPANEL IN CABINET |
|---------------|---------|----------------------|
| 200120-100 | 19 | 1 |
| 200121-100 | 20 | 1 |
| 200122-100 | 21 | 1 |
| 200123-101 | 29 , 30 | 1 |
| 200155-101 | 81 , 82 | 2 |
| 200156-109 | 83 | 2 |
| 200169-101 | 88 | 2 |
| 200158-103 | 94 | 2 |
| 200159-100 | 90 , 92 | 2 |
| 200160-102 | 74 , 75 , 76 , 77 | 2 |
| 200161-101 | 78 | 2 |
| 200162-101 | 84 , 85 , 86 , 87 | 2 |
| 200163-101 | 79 | 2 |
| 200164-102 | 80 | 2 |
| 200165-100 | 70 , 71 , 72 , 73 | 2 |
| 200170-100 | 68 | 2 |
| 200171-102 | 69 | 2 |
| 200172-101 | 66 , 67 | 2 |
| 200173-100 | 65 | 2 |

| CABLE ASSEMBLY | FROM | TO |
|----------------|------|-----|
| 101328-004 | BP1 , SLOT 29 , J1 | BP2 , SLOT 81 , J2 |
| 101328-004 | BP1 , SLOT 30 , J1 | BP2 , SLOT 82 , J2 |
| 101329-002 | BP2 , SLOT 81 , J1 | BP2 , SLOT 82 , J1 |

Install Bar-code label in the Options Label area of cabinet 2

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| CHECKED | | TITLE | | | | |
|---------|--|-------|--|--|--|--|
| 12/15/86 | | INSTALLATION INSTRUCTIONS | | | | |
| MECH/ELEC | | CARD SET,CHANNEL 3 ADDITION,SP1/T , OBJECT FOG | | | | |
| PROJ. ENG. | | SIZE | CODE ID | DRAWING NUMBER | | REVISION |
| | | | | | | A1 |
| | | A | 53938 | 200412-233 | | SHEET 1 OF 1 |

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| REV | REV. DESCRIPTION | DATE | APPROVED |
|-----|------------------|------|----------|
| AO | RELEASE | 01-27-86 | PLB |

| CARD ASSEMBLY | SLOT(S) | BACKPANEL IN CABINET |
|---------------|---------|----------------------|
| 200107-103 | 46 | 3 |
| 200120-100 | 22 | 1 |
| 200121-100 | 23 | 1 |
| 200122-100 | 24 | 1 |
| 200123-101 | 31 , 32 | 1 |
| 200155-100 | 17 , 18 | 3 |
| 200156-107 | 19 | 3 |
| 200169-100 | 24 | 3 |
| 200168-100 | 30 | 3 |
| 200159-101 | 26 , 28 | 3 |
| 200160-101 | 10 , 11 , 12 , 13 | 3 |
| 200161-100 | 14 | 3 |
| 200152-101 | 20 , 21 , 22 , 23 | 3 |
| 200163-100 | 15 | 3 |
| 200164-100 | 16 | 3 |
| 200165-100 | 6 , 7 , 8 , 9 | 3 |
| 200170-100 | 4 | 3 |
| 200171-102 | 5 | 3 |
| 200172-101 | 2 , 3 | 3 |
| 200173-100 | 1 | 3 |
| 200149-100 | ANY EMPTY SLOT | |

| CABLE ASSEMBLY | FROM | TO |
|----------------|------|-----|
| 101328-006 | BP2 , SLOT 46 , J1 | BP3 , SLOT 46 , J2 |
| 101328-006 | BP1 , SLOT 31 , J1 | BP3 , SLOT 17 , J2 |
| 101328-006 | BP1 , SLOT 32 , J1 | BP3 , SLOT 18 , J2 |
| 101329-002 | BP3 , SLOT 17 , J1 | BP3 , SLOT 18 , J1 |

Install Bar-code label in the Options Label area of cabinet 3

| DRAWN P.Boyce 01-07-86 | EVANS & SUTHERLAND SALT LAKE CITY, UTAH 84108 | | | |
|---|---|---|---|---|
| CHECKED Jane R. Pedersen 2/5/86 | TITLE · INSTALLATION INSTRUCTIONS CARD SET,CHANNEL 4 ADDITION,SP1/T ,WIDE, OBJ. FOG | | | |
| MECH/ELEC | | DRAWING NUMBER | | REVISION AO |
| PROJ. ENG. | SIZE A | CODE ID 53938 | 200412-244 | SHEET 1 OF 1 |

# ORIGINAL

| REV | REV. DESCRIPTION | DATE | APPROVED |
|-----|------------------|------|----------|
| AO  | RELEASE          | 01-27-86 | PCB |

| CARD ASSEMBLY | SLOT(S) | BACKPANEL IN CABINET |
|---------------|---------|----------------------|
| 200120-100 | 19 | 1 |
| 200121-100 | 20 | 1 |
| 200122-100 | 21 | 1 |
| 200123-101 | 29 , 30 | 1 |
| 200155-100 | 81 , 82 | 2 |
| 200156-107 | 83 | 2 |
| 200169-100 | 88 | 2 |
| 200168-100 | 94 | 2 |
| 200159-101 | 90 , 92 | 2 |
| 200160-101 | 74 , 75 , 76 , 77 | 2 |
| 200161-100 | 78 | 2 |
| 200162-101 | 84 , 85 , 86 , 87 | 2 |
| 200163-100 | 79 | 2 |
| 200164-100 | 80 | 2 |
| 200165-100 | 70 , 71 , 72 , 73 | 2 |
| 200170-100 | 68 | 2 |
| 200171-102 | 69 | 2 |
| 200172-101 | 66 , 67 | 2 |
| 200173-100 | 65 | 2 |

| CABLE ASSEMBLY | FROM | TO |
|----------------|------|----|
| 101328-004 | BP1 , SLOT 29 , J1 | BP2 , SLOT 81 , J2 |
| 101328-004 | BP1 , SLOT 30 , J1 | BP2 , SLOT 82 , J2 |
| 101329-002 | BP2 , SLOT 81 , J1 | BP2 , SLOT 82 , J1 |

Install Bar-code label in the Options Label area of cabinet 2

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|---|---|---|---|---|---|
| CHECKED Jane R. Pedersen 2/5/86 | TITLE INSTALLATION INSTRUCTIONS CARD SET,CHANNEL 3 ADDITION,SP1/T , WIDE, OBJ. FOG | | | | |
| MECH/ELEC | | DRAWING NUMBER | | | REVISION AO |
| PROJ. ENG. | SIZE A | CODE ID 53938 | 200412-243 | | SHEET 1 OF 1 |

DRAWING NUMBER: 200412-235

| REV | REV. DESCRIPTION | DATE | APPROVED |
|-----|------------------|------|----------|
| AO | RELEASE | 02-10-86 | 2-13 PKB |

| CARD ASSEMBLY | SLOT(S) | BACKPANEL IN CABINET |
|---------------|---------|----------------------|
| 200120-100 | 55 | 1 |
| 200121-100 | 56 | 1 |
| 200122-100 | 57 | 1 |
| 200123-101 | 61 , 62 | 1 |
| 200155-100 | 81 , 82 | 3 |
| 200156-107 | 83 | 3 |
| 200169-100 | 88 | 3 |
| 200158-100 | 94 | 3 |
| 200159-100 | 90 , 92 | 3 |
| 200160-101 | 74 , 75 , 76 , 77 | 3 |
| 200161-100 | 78 | 3 |
| 200162-101 | 84 , 85 , 86 , 87 | 3 |
| 200163-100 | 79 | 3 |
| 200164-100 | 80 | 3 |
| 200165-100 | 70 , 71 , 72 , 73 | 3 |
| 200170-100 | 68 | 3 |
| 200171-102 | 69 | 3 |
| 200172-101 | 66 , 67 | 3 |
| 200173-100 | 65 | 3 |

| CABLE ASSEMBLY | FROM | TO |
|----------------|------|----|
| 101328-006 | BP1 , SLOT 61 , J1 | BP3 , SLOT 81 , J2 |
| 101328-006 | BP1 , SLOT 62 , J1 | BP3 , SLOT 82 , J2 |
| 101329-002 | BP3 , SLOT 81 , J1 | BP3 , SLOT 82 , J1 |

Install Bar-code label in the Options Label area of cabinet 2

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| P.Boyce 12-30-85 | | SALT LAKE CITY, UTAH 84108 | | | |
| CHECKED | TITLE | | | | |
| 2/17/86 | INSTALLATION INSTRUCTIONS | | | | |
| MECH/ELEC | CARD SET,CHANNEL 5 ADDITION,SP1/T , OBJECT FOG | | | | |
| PROJ. ENG | SIZE | CODE ID | DRAWING NUMBER | | REVISION |
| | A | 53938 | 200412-235 | | AO |
| | | | | | SHEET 1 OF 1 |

# ORIGINAL

| REV | REV. DESCRIPTION | DATE | APPROVED |
|-----|------------------|------|----------|
| AO | RELEASE | 02-10-86 | 2-18 PKP |

| CARD ASSEMBLY | SLOT(S) | BACKPANEL IN CABINET |
|---------------|---------|----------------------|
| 200107-103 | 46 | 3 |
| 200120-100 | 22 | 1 |
| 200121-100 | 23 | 1 |
| 200122-100 | 24 | 1 |
| 200123-101 | 31 , 32 | 1 |
| 200155-100 | 17 , 18 | 3 |
| 200156-107 | 19 | 3 |
| 200169-100 | 24 | 3 |
| 200158-100 | 32 | 3 |
| 200159-100 | 26 , 28 | 3 |
| 200160-101 | 10 , 11 , 12 , 13 | 3 |
| 200161-100 | 14 | 3 |
| 200162-101 | 20  21 , 22 , 23 | 3 |
| 200163-100 | 15 | 3 |
| 200164-100 | 16 | 3 |
| 200165-100 | 6 , 7 , 8 , 9 | 3 |
| 200170-100 | 4 | 3 |
| 200171-102 | 5 | 3 |
| 200172-101 | 2 , 3 | 3 |
| 200173-100 | 1 | 3 |
| 200149-100 | ANY EMPTY SLOT | |

| CABLE ASSEMBLY | FROM | TO |
|----------------|------|-----|
| 101328-006 | BP2 , SLOT 46 , J1 | BP3 , SLOT 46 , J2 |
| 101328-006 | BP1 , SLOT 31 , J1 | BP3 , SLOT 17 , J2 |
| 101328-006 | BP1 , SLOT 32 , J1 | BP3 , SLOT 18 , J2 |
| 101329-002 | BP3 , SLOT 17 , J1 | BP3 , SLOT 18 , J1 |

Install Bar-code label in the Options Label area of cabinet 2

| DRAWN | | EVANS & SUTHERLAND | | | |
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| P.Boyce 12-30-85 | | SALT LAKE CITY, UTAH 84108 | | | |
| CHECKED Kare R. Pedersen 2/17/86 | TITLE | INSTALLATION INSTRUCTIONS | | | |
| MECH/ELEC | | CARD SET,CHANNEL 4 ADDITION,SP1/T , OBJECT FOG | | | |
| PROJ. ENG | | DRAWING NUMBER | | | REVISION |
| | SIZE | CODE ID | | | AO |
| | A | 53938 | 200412-234 | | SHEET 1 OF 1 |

Be sure to insert allocation
chart 200116-900 as a foldout here

Insert the following drawings here:
200412-233, 200412-234, 200412-235 for display systems
200412-243, 200412-244, 200412-245 for wide systems

# BACKPANEL ALLOCATION CHART

## REVISIONS

| ZONE | LTR | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|---|

## Slot Allocation — Band D (Slots 1–32)

| Slot | Part Number | Description |
|---|---|---|
| 32 | 200158-100 | SCOPE DRIVER (1) |
| 31 | * | (open/reserved) |
| 30 | 200168/158-100 | CSM SCP DRV (0) |
| 29 | * | (open/reserved) |
| 28 | 200159-100/101 | X-Y D/A CNVRT (Y) |
| 27 | * | (open/reserved) |
| 26 | 200159-100/101 | X-Y D/A CNVRT (X) |
| 25 | * | (open/reserved) |
| 24 | 200169-100 | ANLG INTEN |
| 23 | 200162-101 | LN ASSEMBLER (0) |
| 22 | 200162-101 | LN ASSEMBLER (1) |
| 21 | 200162-101 | LN ASSEMBLER (2) |
| 20 | 200162-101 | LN ASSEMBLER (3) |
| 19 | 200156-107 | ANLG CONT |
| 18 | 200155-100 | DSPLY DATA (Y) |
| 17 | 200155-100 | DSPLY DATA (X) |
| 16 | 200164-100 | S/L CONTROL |
| 15 | 200163-100 | E/F CONTROL |
| 14 | 200161-100 | PRIORITY SRTR |
| 13 | 200160-101 | FACE GEN (3) |
| 12 | 200160-101 | FACE GEN (2) |
| 11 | 200160-101 | FACE GEN (1) |
| 10 | 200160-101 | FACE GEN (0) |
| 9 | 200165-100 | EDGE GEN (3) |
| 8 | 200165-100 | EDGE GEN (2) |
| 7 | 200165-100 | EDGE GEN (1) |
| 6 | 200165-100 | EDGE GEN (0) |
| 5 | 200171-102 | LT OCLT CONT |
| 4 | 200170-100 | LT OCLT XFER |
| 3 | 200172-101 | LT OCLT MAP |
| 2 | 200172-101 | LT OCLT MAP |
| 1 | 200173-100 | LT OCLT SPRT |

## Slot Allocation — Band C (Slots 33–64)

| Slot | Part Number | Description |
|---|---|---|
| 64 | 200374-100 | TEXT GEN (0)(1) (BYPASS) |
| 63 | 200374-100 | TEXT GEN (E)(1) (BYPASS) |
| 62 | 200364-101 | ERS-ELEM.R.SCAN (Y)(1) |
| 61 | 200364-101 | ERS-ELEM.R.SCAN (X)(1) |
| 60 | 200367-102 | TXT SCANR CONT (1) |
| 59 | 200363-100 | LRS-L.R.SCANR (1) |
| 58 | 200362-100 | LRB-L.R.BAND (1) |
| 57 | 200361-100 | LRR-L.R.RCPRCTR (1) |
| 56 | * | (open/reserved) |
| 55 | 200374-100 | TEXT GEN (0)(2) (BYPASS) |
| 54 | 200374-100 | TEXT GEN (E)(2) (BYPASS) |
| 53 | 200364-101 | ERS-ELEM.R.SCAN (Y)(2) |
| 52 | 200364-101 | ERS-ELEM.R.SCAN (X)(2) |
| 51 | 200367-102 | TXT SCANR CONT (2) |
| 50 | 200363-100 | LRS-L.R.SCANR (2) |
| 49 | 200362-100 | LRB-L.R.BAND (2) |
| 48 | 200361-100 | LRR-L.R.RCPRCTR (2) |
| 47 | 200107-103 | CLOCK/MAINT |
| 46–33 | | (unused) |

## Slot Allocation — Band B (Slots 65–96)

| Slot | Part Number | Description |
|---|---|---|
| 96 | 200158-100 | SCOPE DRIVER (1) |
| 95 | * | (open/reserved) |
| 94 | 200168/158-100 | CSM SCP DRV (0) |
| 93 | * | (open/reserved) |
| 92 | 200159-100/101 | X-Y D/A CNVRT (Y) |
| 91 | * | (open/reserved) |
| 90 | 200159-100/101 | X-Y D/A CNVRT (X) |
| 89 | * | (open/reserved) |
| 88 | 200169-100 | ANLG INTEN |
| 87 | 200162-101 | LN ASSEMBLER (0) |
| 86 | 200162-101 | LN ASSEMBLER (1) |
| 85 | 200162-101 | LN ASSEMBLER (2) |
| 84 | 200162-101 | LN ASSEMBLER (3) |
| 83 | 200156-107 | ANLG CONT |
| 82 | 200155-100 | DSPLY DATA (Y) |
| 81 | 200155-100 | DSPLY DATA (X) |
| 80 | 200164-100 | S/L CONTROL |
| 79 | 200163-100 | E/F CONTROL |
| 78 | 200161-100 | PRIORITY SRTR |
| 77 | 200160-101 | FACE GEN (3) |
| 76 | 200160-101 | FACE GEN (2) |
| 75 | 200160-101 | FACE GEN (1) |
| 74 | 200160-101 | FACE GEN (0) |
| 73 | 200165-100 | EDGE GEN (3) |
| 72 | 200165-100 | EDGE GEN (2) |
| 71 | 200165-100 | EDGE GEN (1) |
| 70 | 200165-100 | EDGE GEN (0) |
| 69 | 200171-102 | LT OCLT CONT |
| 68 | 200170-100 | LT OCLT XFER |
| 67 | 200172-101 | LT OCLT MAP |
| 66 | 200172-101 | LT OCLT MAP |
| 65 | 200173-100 | LT OCLT SPRT |

## NOTE:

1. VIEWED FROM CARD INSERTION SIDE OF BACKPANEL.
2. '*' INDICATES OPEN SLOT WHICH IS RESERVED.
3. REFER TO ITEM 8 ON P/L FOR ASSOCIATED WIRELIST.
4. SLOT 30&94 IS DEFAULT ALLOCATION FOR 200158-100 SCOPE DRIVER. 200168-100 MUST OCCUPY SLOT 30&94. SLOT 32&96 IS NOT INCLUDED IN NDL CARD TEST.

| CARD DESCRIPTOR | CARD |
|---|---|
| S1 | 200173-100A2 |
| S2 | 200172-100NC |
| S3 | 200172-100NC |
| S4 | 200170-100NC |
| S5 | 200171-101 |
| S6 | 200165-100P0 |
| S7 | 200165-100P0 |
| S8 | 200165-100P0 |
| S9 | 200165-100P0 |
| S10 | 200160-100A1 |
| S11 | 200160-100A1 |
| S12 | 200160-100A1 |
| S13 | 200160-100A1 |
| S14 | 200161-100NC |
| S15 | 200163-100A1 |
| S16 | 200164-100NC |
| S17 | 200155-100B3 |
| S18 | 200155-100B3 |
| S19 | 200156-107A0 |
| S20 | 200162-101A3 |
| S21 | 200162-101A3 |
| S22 | 200162-101A3 |
| S23 | 200162-101A3 |
| S24 | 200169-100A1 |
| S26 | 200159-100B5 |
| S28 | 200159-100B5 |
| S30 | 200168-100B0 |
| S32 | 200158-100A5 |
| S46 | 200107-100 |
| S47 | 200361-100A3 |
| S48 | 200362-100A1 |
| S49 | 200363-100A2 |
| S50 | 200367-100A1 |
| S51 | 200364-101C0 |
| S52 | 200364-101C0 |
| S53 | 200374-100A0 |
| S54 | 200374-100A0 |
| S57 | 200361-100A3 |
| S58 | 200362-100A1 |
| S59 | 200363-100A2 |
| S60 | 200367-100A1 |
| S61 | 200364-101C0 |
| S62 | 200364-101C0 |
| S63 | 200374-100A0 |
| S64 | 200374-100A0 |
| S65 | 200173-100A2 |
| S66 | 200172-100NC |
| S67 | 200172-100NC |
| S68 | 200170-100NC |
| S69 | 200171-101 |

| CARD DESCRIPTOR | CARD |
| --- | --- |
| S70 | 200165-100P0 |
| S71 | 200165-100P0 |
| S72 | 200165-100P0 |
| S73 | 200165-100P0 |
| S74 | 200160-100A1 |
| S75 | 200160-100A1 |
| S76 | 200160-100A1 |
| S77 | 200161-100NC |
| S78 | 200163-100A1 |
| S79 | 200164-100NC |
| S80 | 200155-100B3 |
| S81 | 200155-100B3 |
| S82 | 200156-107A0 |
| S83 | 200162-101A3 |
| S84 | 200162-101A3 |
| S85 | 200162-101A3 |
| S86 | 200162-101A3 |
| S87 | 200169-100A1 |
| S88 | 200159-100B5 |
| S90 | 200159-100B5 |
| S92 | 200168-100B0 |
| S94 | 200158-100A5 |
| S96 | 801277-001A1 |
| B100 | 801277-001A1 |
| B101 | 801277-001A1 |
| B102 | 801277-001A1 |
| B103 | 801277-001A1 |
| B110 | 801277-001A1 |
| B111 | 801277-001A1 |
| B112 | 801277-001A1 |
| B113 | 801277-001A1 |
| B120 | 801277-001A1 |
| B121 | 801277-001A1 |
| B122 | 801277-001A1 |
| B123 | 801277-001A1 |

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                    FIELD RPT BY PIN#     10-FEB-89   09:24:37     PAGE   3
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| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S1;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80 S13;P1.80 S1;P1.1 S2;P1.1 S3;P1.1 S46;P1.31 S4;P1.1 S5;P1.1 S65;P1.1 S66;P1.1 S67;P1.1 S68;P1.1 S69;P1.1 S72;P1.80 S73;P1.80 S76;P1.1 S76;P1.80 S77;P1.80 |
| S1;P1.3 | *CMCLK8 | *CMCLK8 | S8;P1.80 S9;P1.80 S2;P1.3 S46;P1.26 S4;P1.3 S5;P1.3 S1;P1.3 S66;P1.3 S67;P1.3 S68;P1.3 S69;P1.3 S65;P1.3 S3;P1.3 |
| S1;P1.5 | OC*BMAINT | 1OC*BMAINT | S1;P1.5 S2;P1.7 S3;P1.7 S4;P1.4 S5;P1.4 |
| S1;P1.6 | OSBLANKLIGHT | 1OSBLANKLIGHT | S1;P1.6# S5;P1.52 |
| S1;P1.9 | OCLOADYCNT | 1OCLOADYCNT | S1;P1.9 S5;P1.42 |
| S1;P1.10 | CMFLAG2 | CMFLAG2 | S1;P1.10 S30;P1.56 S30;P1.72 S32;P1.72 S46;P1.39 S65;P1.10 S94;P1.56 |
| S1;P1.12 | OTYLSB | 1OTYLSB | S1;P1.12 S4;P1.52 |
| S1;P1.13 | OMEVNPRI | 1OMEVNPRI | S1;P1.13 S3;P1.14 |
| S1;P1.14 | OTXAD11 | 1OTXAD11 | S1;P1.14 S4;P1.34 |
| S1;P1.15 | OMODDPRI | 1OMODDPRI | S1;P1.15 S2;P1.14 |
| S1;P1.16 | CMFLAG3 | CMFLAG3 | S1;P1.16 S30;P1.15 S32;P1.15 S46;P1.38 S65;P1.16 S94;P1.15 S96;P1.15 |
| S1;P1.17 | OCCTLYMOD | 1OCCTLYMOD | S1;P1.17 S5;P1.10 |
| S1;P1.18 | OTYFRACT | 1OTYFRACT | S1;P1.18 S4;P1.50 |
| S1;P1.19 | OCWAISTCT | 1ICWAITSTCT | S1;P1.19 S5;P1.25 |
| S1;P1.20 | OCMEMWRITE | 1OCMEMWRITE | S1;P1.20 S5;P1.79 |
| S1;P1.23 | CMSERIN | CMSEROUT | S15;P1.70 S17;P1.5 S1;P1.23 S46;P1.37 S47;P1.40 S57;P1.40 S65;P1.23 S72;P1.45 S79;P1.70 S81;P1.5 S8;P1.45 |
| S1;P1.24 | OSSEROUT | 1OSSEROUT1 | S1;P1.24# S65;P1.24 S72;P1.15 |
| S1;P1.25 | OTPROD9 | 1OTPROD9 | S1;P1.25 S4;P1.49 S3;P1.35 |
| S1;P1.26 | OSR10 | 1OSR10 | S1;P1.26# S2;P1.35 |
| S1;P1.27 | OTPROD8 | 1OTPROD8 | S1;P1.27 S4;P1.48 S3;P1.37 |
| S1;P1.28 | OSR9 | 1OSR9 | S1;P1.28# S2;P1.37 |
| S1;P1.29 | OTPROD7 | 1OTPROD7 | S1;P1.29 S4;P1.47 S3;P1.39 |
| S1;P1.30 | OSR8 | 1OSR8 | S1;P1.30# S2;P1.39 |
| S1;P1.33 | OTPROD6 | 1OTPROD6 | S1;P1.33 S4;P1.46 S3;P1.54 |
| S1;P1.34 | OSR7 | 1OSR7 | S1;P1.34# S2;P1.54 |
| S1;P1.35 | OTPROD5 | 1OTPROD5 | S1;P1.35 S4;P1.45 S3;P1.56 |
| S1;P1.36 | OSR6 | 1OSR6 | S1;P1.36# S2;P1.56 |
| S1;P1.37 | OTPROD4 | 1OTPROD4 | S1;P1.37 S4;P1.44 S3;P1.58 |
| S1;P1.38 | OSR5 | 1OSR5 | S1;P1.38# S2;P1.58 |
| S1;P1.39 | OTPROD3 | 1OTPROD3 | S1;P1.39 S4;P1.43 S3;P1.60 |
| S1;P1.40 | OSR4 | 1OSR4 | S1;P1.40# S2;P1.60 |
| S1;P1.43 | OTPROD2 | 1OTPROD2 | S1;P1.43 S4;P1.42 S3;P1.68 |
| S1;P1.44 | OSR3 | 1OSR3 | S1;P1.44# S2;P1.68 |
| S1;P1.45 | OTPROD1 | 1OTPROD1 | S1;P1.45 S4;P1.40 S3;P1.70 |
| S1;P1.46 | OSR2 | 1OSR2 | S1;P1.46# S2;P1.70 |
| S1;P1.47 | OCSTCT0 | 1OCSTCT0 | S1;P1.47 S5;P1.40 |
| S1;P1.48 | OSWRTEVN | 1OSWRTEVN | S1;P1.48# S3;P1.63 |
| S1;P1.49 | OCSTCT1 | 1OCSTCT1 | S1;P1.49 S5;P1.39 |
| S1;P1.50 | OSWRTODD | 1OSWRTODD | S1;P1.50# S2;P1.63 |
| S1;P1.53 | OTMULT7 | 1OTMULT7 | S1;P1.53 S4;P1.19 |
| S1;P1.54 | OSXAD7 | 1OSXAD7 | S1;P1.54# S2;P1.10 S3;P1.10 |
| S1;P1.55 | OTMULT8 | 1OTMULT8 | S1;P1.55 S4;P1.37 |
| S1;P1.56 | OSXAD8 | 1OSXAD8 | S1;P1.56# S2;P1.27 S3;P1.27 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | Connections |
|---|---|---|---|
| S1;P1.55 | *(illegible, cut)* | *(illegible, cut)* | |
| S1;P1.56 | *(illegible, cut)* | *(illegible, cut)* | |
| S1;P1.57 | OTMULT9 | 1OTMULT9 | S1;P1.57  S4;P1.36 |
| S1;P1.58 | OSXAD9 | 1OSXAD9 | S1;P1.58#  S2;P1.26  S3;P1.26 |
| S1;P1.60 | OSXAD10 | 1OSXAD10 | S1;P1.60#  S2;P1.25  S3;P1.25  S5;P1.37 |
| S1;P1.62 | DDYLIGHTPRIO | 1DDYB0 | S15;P1.49  S18;P1.18#  S19;P1.52  S60;P1.8 |
| S1;P1.63 | DDXB0 | 1DDXB0 | S17;P1.18#  S1;P1.63  S30;P1.43 |
| S1;P1.64 | OSLB0 | 1OSLB0 | S1;P1.64#  S24;P1.7 |
| S1;P1.65 | DDXB1 | 1DDXB1 | S17;P1.37#  S1;P1.65  S30;P1.42  S60;P1.40 |
| S1;P1.66 | OSLB1 | 1OSLB1 | S1;P1.66#  S24;P1.8 |
| S1;P1.67 | DDXB2 | 1DDXB2 | S17;P1.17#  S1;P1.67  S30;P1.35  S60;P1.42 |
| S1;P1.68 | OSLB2 | 1OSLB2 | S17;P1.68#  S24;P1.16 |
| S1;P1.69 | DDXB3 | 1DDXB3 | S17;P1.15#  S1;P1.69  S30;P1.38  S60;P1.44 |
| S1;P1.70 | OSLB3 | 1OSLB3 | S1;P1.70#  S24;P1.13 |
| S1;P1.73 | DDXB4 | 1DDXB4 | S17;P1.13#  S1;P1.73  S30;P1.63 |
| S1;P1.74 | OSLB4 | 1OSLB4 | S1;P1.74#  S24;P1.12 |
| S1;P1.75 | DDXB5 | 1DDXB5 | S17;P1.14#  S19;P1.60  S1;P1.75 |
| S1;P1.76 | OSLB5 | 1OSLB5 | S1;P1.76#  S24;P1.15 |
| S1;P1.77 | DDXB6 | 1DDXB6 | S17;P1.7#  S1;P1.77  S60;P1.43 |
| S1;P1.78 | OSLB6 | 1OSLB6 | S17;P1.78#  S24;P1.14 |
| S1;P1.79 | DDXB7 | 1DDXB7 | S17;P1.8#  S1;P1.79  S60;P1.45 |
| S1;P1.80 | OSLB7 | 1OSLB7 | S17;P1.80#  S24;P1.10 |
| S2;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80  S13;P1.80  S46;P1.26  S46;P1.31  S4;P1.1  S5;P1.1  S65;P1.1  S66;P1.1  S67;P1.1  S68;P1.1  S69;P1.1  S72;P1.80  S73;P1.80  S76;P1.1  S76;P1.80  S77;P1.80  S8;P1.80  S9;P1.80 |
| S2;P1.3 | *CLOCK | *CMCLK8 | S1;P1.3  S3;P1.3  S46;P1.3  S4;P1.3  S5;P1.3  S65;P1.3  S66;P1.3  S67;P1.3  S68;P1.3  S69;P1.3 |
| S2;P1.4 | LOADHOLD | 1OCLOADHOLD | S2;P1.4  S3;P1.4  S5;P1.34 |
| S2;P1.5 | LOADMEMINPUT | 1OCLOADMEMINPUT | S2;P1.5  S3;P1.5  S5;P1.70 |
| S2;P1.6 | RC | 1OCRC | S2;P1.6  S3;P1.6  S5;P1.75 |
| S2;P1.7 | *MAINT | 1OC*BMAINT | S1;P1.5  S2;P1.7  S3;P1.7  S4;P1.4 |
| S2;P1.8 | FLAG2 | 1OM01FLAG2OUT | S2;P1.8  S2;P1.9 |
| S2;P1.9 | FLAG1OUT | 1OM01FLAG2OUT | S2;P1.8  S2;P1.9 |
| S2;P1.10 | XAD7 | 1OSXAD7 | S1;P1.54#  S2;P1.10  S3;P1.10 |
| S2;P1.12 | OUT15 | 1OMSEROUT2 | S2;P1.12  S3;P1.15 |
| S2;P1.13 | LDMEMOUTPUT | 1OCMEMREAD | S2;P1.13  S3;P1.13  S5;P1.78 |
| S2;P1.14 | PRIORITY | 1OMODDPRI | S2;P1.14  S2;P1.15 |
| S2;P1.15 | SERIN | 1OSSEROUT1 | S1;P1.24#  S2;P1.15 |
| S2;P1.16 | W15 | 1OCXCNT6 | S2;P1.16  S3;P1.16  S5;P1.44 |
| S2;P1.17 | R15 | 1OTMULT6 | S2;P1.17  S3;P1.17  S4;P1.20 |
| S2;P1.18 | W14 | 1OCXCNT5 | S2;P1.18  S3;P1.18  S5;P1.45 |
| S2;P1.19 | R14 | 1OTMULT5 | S2;P1.19  S3;P1.19  S4;P1.22 |
| S2;P1.20 | W13 | 1OTMULT4 | S2;P1.20  S3;P1.20  S5;P1.46 |
| S2;P1.22 | R13 | 1OCXCNT4 | S2;P1.22  S3;P1.22  S4;P1.23 |
| S2;P1.23 | W12 | 1OCXCNT3 | S2;P1.23  S3;P1.23  S5;P1.47 |
| S2;P1.24 | R12 | 1OTMULT3 | S2;P1.24  S3;P1.24  S4;P1.67 |
| S2;P1.25 | XAD10 | 1OSXAD10 | S1;P1.60#  S2;P1.25  S3;P1.25 |
| S2;P1.26 | XAD9 | 1OSXAD9 | S1;P1.58#  S2;P1.26  S3;P1.26 |
| S2;P1.27 | XAD8 | 1OSXAD8 | S1;P1.56#  S2;P1.27  S3;P1.27 |
| S2;P1.29 | WADDRSEL | 1OCWADDRSEL | S2;P1.29  S3;P1.29  S5;P1.77 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | CON.PIN_NO |
|---|---|---|---|
| S2;P1.32 | W11 | 10CXCNT2 | S2;P1.32  S3;P1.32  S5;P1.48 |
| S2;P1.33 | R11 | 10TMULT2 | S2;P1.33  S3;P1.33  S4;P1.68 |
| S2;P1.34 | W10 | 10CYCNT9 | S2;P1.34  S3;P1.34  S5;P1.62 |
| S2;P1.35 | R10 | 10SR10 | S1;P1.26#  S2;P1.35  S5;P1.35 |
| S2;P1.36 | W9 | 10CYCNT8 | S2;P1.36  S3;P1.36  S5;P1.63 |
| S2;P1.37 | R9 | 10SR9 | S1;P1.28#  S2;P1.37  S3;P1.37 |
| S2;P1.38 | W8 | 10CYCNT7 | S2;P1.38  S3;P1.38  S5;P1.64 |
| S2;P1.39 | R8 | 10SR8 | S1;P1.30#  S2;P1.39  S3;P1.39 |
| S2;P1.42 | LA0IF2 | 1TG0INT6 | S24;P1.43  S2;P1.42  S3;P1.42  S63;P1.16# |
| S2;P1.43 | LA0IF0 | 1TG0INT8 | S24;P1.37  S2;P1.43  S3;P1.43  S63;P1.12# |
| S2;P1.44 | LA1IF2 | 1TG1INT6 | S24;P1.44  S2;P1.44  S3;P1.44  S64;P1.16# |
| S2;P1.45 | LA1IF0 | 1TG1INT8 | S24;P1.38  S2;P1.45  S3;P1.45  S64;P1.12# |
| S2;P1.53 | W7 | 10CYCNT6 | S2;P1.53  S3;P1.53  S5;P1.65 |
| S2;P1.54 | R7 | 10SR7 | S1;P1.34#  S2;P1.54  S3;P1.54 |
| S2;P1.55 | W6 | 10CYCNT5 | S2;P1.55  S3;P1.55  S5;P1.66 |
| S2;P1.56 | R6 | 10SR6 | S1;P1.36#  S2;P1.56  S3;P1.56 |
| S2;P1.57 | W5 | 10CYCNT4 | S2;P1.57  S3;P1.57  S5;P1.67 |
| S2;P1.58 | R5 | 10SR5 | S1;P1.38#  S2;P1.58  S3;P1.58 |
| S2;P1.59 | W4 | 10CYCNT3 | S2;P1.59  S3;P1.59  S5;P1.68 |
| S2;P1.60 | R4 | 10SR4 | S1;P1.40#  S2;P1.60  S3;P1.60 |
| S2;P1.62 | CAS | 10CCAS | S2;P1.62  S3;P1.62  S5;P1.74 |
| S2;P1.63 | MEMWRITE | 10SWRTODD | S1;P1.50#  S2;P1.63 |
| S2;P1.64 | MEMREF | 10CMEMREF | S2;P1.64  S3;P1.64  S5;P1.73 |
| S2;P1.65 | RAS | 10CRAS | S2;P1.65  S3;P1.65  S5;P1.76 |
| S2;P1.66 | SHIFTPRDATA | 10CSHIFTPRDATA | S2;P1.66  S3;P1.66  S5;P1.14 |
| S2;P1.67 | W3 | 10CYCNT2 | S2;P1.67  S3;P1.67  S5;P1.69 |
| S2;P1.68 | R3 | 10SR3 | S1;P1.44#  S2;P1.68  S5;P1.68 |
| S2;P1.69 | W2 | 10CYCNT1 | S2;P1.69  S3;P1.69  S5;P1.59 |
| S2;P1.70 | R2 | 10SR2 | S1;P1.46#  S2;P1.70  S3;P1.70 |
| S2;P1.72 | W1 | 10CXCNT1 | S2;P1.72  S3;P1.72  S5;P1.49 |
| S2;P1.73 | R1 | 10TMULT1 | S2;P1.73  S3;P1.73  S4;P1.69 |
| (faded) | VJUMP5 | -15V34 | B102;P1.6  S2;P1.79 |
| (faded) | VJUMP10 | +12V34 | B103;P1.7  S2;P1.80 |
| S3;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80  S13;P1.80  S4;P1.1  S5;P1.1  S8;P1.80  S9;P1.80  S69;P1.1  S72;P1.80  S73;P1.80  S65;P1.1  S1;P1.1  S2;P1.1  S66;P1.1  S76;P1.1  S76;P1.80  S77;P1.80  S3;P1.1  S67;P1.1  S46;P1.31  S68;P1.1 |
| S3;P1.3 | *CLOCK | *CMCLK8 | S1;P1.3  S2;P1.3  S3;P1.3  S4;P1.3  S5;P1.3  S46;P1.26  S46;P1.3  S65;P1.3  S66;P1.3  S67;P1.3  S68;P1.3  S69;P1.3 |
| S3;P1.4 | LOADHOLD | 10CLOADHOLD | S2;P1.4  S3;P1.4  S5;P1.34 |
| S3;P1.5 | LOADMEMINPUT | 10CLOADMEMINPUT | S2;P1.5  S3;P1.5  S5;P1.70 |
| S3;P1.6 | RC | 10CRC | S1;P1.6  S3;P1.6  S5;P1.75 |
| S3;P1.7 | *MAINT | 10C*BMAINT | S1;P1.5  S2;P1.7  S3;P1.7  S4;P1.4  S5;P1.4 |
| S3;P1.8 | FLAG2 | 10MFLAG2OUT | S3;P1.8 |
| S3;P1.9 | FLAG1OUT | 10MFLAG1OUT | S3;P1.9 |
| S3;P1.10 | XAD7 | 10SXAD7 | S1;P1.54#  S2;P1.10  S3;P1.10 |
| S3;P1.12 | OUT15 | 10MMEMOUT15 | S3;P1.12  S4;P1.38 |
| S3;P1.13 | LDMEMOUTPUT | 10CMEMREAD | S1;P1.13  S3;P1.13  S5;P1.78 |
| S3;P1.14 | PRIORITY | 10MEVNPRI | S1;P1.14  S3;P1.14 |
| S3;P1.15 | SERIN | 10MSEROUT2 | S2;P1.15  S3;P1.15 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | |
|---|---|---|---|---|---|---|
| S3;P1.16 | W15 | 1OCXCNT6 | S2;P1.16 | S3;P1.16 | S5;P1.44 | |
| S3;P1.17 | R15 | 1OTMULT6 | S2;P1.17 | S3;P1.17 | S4;P1.20 | |
| S3;P1.18 | W14 | 1OCXCNT5 | S2;P1.18 | S3;P1.18 | S5;P1.45 | |
| S3;P1.19 | R14 | 1OTMULT5 | S2;P1.19 | S3;P1.19 | S4;P1.22 | |
| S3;P1.20 | W13 | 1OCXCNT4 | S2;P1.20 | S3;P1.20 | S5;P1.46 | |
| S3;P1.22 | R13 | 1OTMULT4 | S2;P1.22 | S3;P1.22 | S4;P1.23 | |
| S3;P1.23 | W12 | 1OCXCNT3 | S2;P1.23 | S3;P1.23 | S5;P1.47 | |
| S3;P1.24 | R12 | 1OTMULT3 | S2;P1.24 | S3;P1.24 | S4;P1.67 | |
| S3;P1.25 | XAD10 | 1OSXAD10 | S1;P1.60# | S2;P1.25 | S3;P1.25 | |
| S3;P1.26 | XAD9 | 1OSXAD9 | S1;P1.58# | S2;P1.26 | S3;P1.26 | |
| S3;P1.27 | XAD8 | 1OSXAD8 | S1;P1.56# | S2;P1.27 | S3;P1.27 | |
| S3;P1.29 | WADDRSEL | 1OCWADDRSEL | S2;P1.29 | S3;P1.29 | S5;P1.77 | |
| S3;P1.32 | W11 | 1OCXCNT2 | S2;P1.32 | S3;P1.32 | S5;P1.48 | |
| S3;P1.33 | R11 | 1OTMULT2 | S2;P1.33 | S3;P1.33 | S4;P1.68 | |
| S3;P1.34 | W10 | 1OCYCNT9 | S2;P1.34 | S3;P1.34 | S5;P1.62 | |
| S3;P1.35 | R10 | 1OSR10 | S1;P1.26# | S2;P1.35 | S3;P1.35 | |
| S3;P1.36 | W9 | 1OCYCNT8 | S2;P1.36 | S3;P1.36 | S5;P1.63 | |
| S3;P1.37 | R9 | 1OSR9 | S1;P1.28# | S2;P1.37 | S3;P1.37 | |
| S3;P1.38 | W8 | 1OCYCNT7 | S2;P1.38 | S3;P1.38 | S5;P1.64 | |
| S3;P1.39 | R8 | 1OSR8 | S1;P1.30# | S2;P1.39 | S3;P1.39 | |
| S3;P1.42 | LA0IF2 | 1TG0INT6 | S24;P1.43 | S2;P1.42 | S3;P1.42 | S63;P1.16# |
| S3;P1.43 | LA0IF0 | 1TG0INT8 | S24;P1.37 | S2;P1.43 | S3;P1.43 | S63;P1.12# |
| S3;P1.44 | LA1IF2 | 1TG1INT6 | S24;P1.44 | S2;P1.44 | S3;P1.44 | S64;P1.16# |
| S3;P1.45 | LA1IF0 | 1TG1INT8 | S24;P1.38 | S2;P1.45 | S3;P1.45 | S64;P1.12# |
| S3;P1.52 | AGTB | 1OMAGTB | S3;P1.52 | S5;P1.52 | | |
| S3;P1.53 | W7 | 1OCYCNT6 | S2;P1.53 | S3;P1.53 | S5;P1.65 | |
| S3;P1.54 | R7 | 1OSR7 | S1;P1.34# | S2;P1.54 | S3;P1.54 | |
| S3;P1.55 | W6 | 1OCYCNT5 | S2;P1.55 | S3;P1.55 | S5;P1.66 | |
| S3;P1.56 | R6 | 1OSR6 | S1;P1.36# | S2;P1.56 | S3;P1.56 | |
| S3;P1.57 | W5 | 1OCYCNT4 | S2;P1.57 | S3;P1.57 | S5;P1.67 | |
| S3;P1.58 | R5 | 1OSR5 | S1;P1.38# | S2;P1.58 | S3;P1.58 | |
| S3;P1.59 | W4 | 1OCYCNT3 | S2;P1.59 | S3;P1.59 | S5;P1.68 | |
| S3;P1.60 | R4 | 1OSR4 | S1;P1.40# | S2;P1.60 | S3;P1.60 | |
| S3;P1.62 | CAS | 1OCCAS | S2;P1.62 | S3;P1.62 | S5;P1.74 | |
| S3;P1.63 | MEMWRITE | 1OSWRTEVN | S1;P1.48# | S2;P1.63 | S3;P1.63 | |
| S3;P1.64 | MEMREF | 1OCMEMREF | S2;P1.64 | S3;P1.64 | S5;P1.73 | |
| S3;P1.65 | RAS | 1OCRAS | S2;P1.65 | S3;P1.65 | S5;P1.76 | |
| S3;P1.66 | SHIFTPRDATA | 1OCSHIFTPRDATA | S2;P1.66 | S3;P1.66 | S5;P1.14 | |
| S3;P1.67 | W3 | 1OCYCNT2 | S2;P1.67 | S3;P1.67 | S5;P1.69 | |
| S3;P1.68 | R3 | 1OSR3 | S1;P1.44# | S2;P1.68 | S3;P1.68 | |
| S3;P1.69 | W2 | 1OCYCNT1 | S2;P1.69 | S3;P1.69 | S5;P1.59 | |
| S3;P1.70 | R2 | 1OSR2 | S1;P1.46# | S2;P1.70 | S3;P1.70 | |
| S3;P1.72 | W1 | 1OCXCNT1 | S2;P1.72 | S3;P1.72 | S5;P1.49 | |
| S3;P1.73 | R1 | 1OTMULT1 | S2;P1.73 | S3;P1.73 | S4;P1.69 | |
| S3;P1.79 | VJUMP5 | -15V35 | B102;P1.10 | B103;P1.11 | S3;P1.79 | S2;P1.1 · · S46;P1.31 · S3;P1.1 |
| S3;P1.80 | VJUMP10 | +12V35 | B103;P1.11 | S3;P1.80 | S3;P1.80 | S68;P1.1 · S67;P1.1 · S77;P1.80 · S76;P1.80 |
| S4;P1.1 | | 1TW*CMCLK5 | S12;P1.80 | S13;P1.80 | S1;P1.1 | S65;P1.1 · S66;P1.1 · S67;P1.1 · S4;P1.1 · S5;P1.1 · S69;P1.1 · S72;P1.80 · S73;P1.80 · S76;P1.1 · S8;P1.80 · S9;P1.80 |

STRING PINS BY SLOT;CON.PIN NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | | STRING PINS BY SLOT;CON.PIN NO | | | | |
|---|---|---|---|---|---|---|---|---|
| S4;P1.3 | *CLOCK | *CMCLK8 | S1;P1.3 | S2;P1.3 | S3;P1.3 | S46;P1.26 | S4;P1.3 | S5;P1.3 |
| S4;P1.4 | *BMAINT | 10C*BMAINT | S65;P1.3 | S66;P1.3 | S67;P1.3 | S68;P1.3 | S69;P1.3 | |
| | | | S1;P1.5 | S2;P1.7 | S3;P1.7 | S4;P1.4 | S5;P1.4 | |
| S4;P1.6 | LOADMULT | 10CLOADMULT | S4;P1.6 | S5;P1.22 | | | | |
| S4;P1.7 | LOADPROD | 10CLOADPROD | S4;P1.7 | S5;P1.35 | | | | |
| S4;P1.8 | LOADINPUT | 10CLOADINPUTDATA | S4;P1.8 | S5;P1.20 | | | | |
| S4;P1.9 | Y7 | 1DDYMD7 | S18;P1.76# | S28;P1.58 | S4;P1.9 | S8;P1.46 | S9;P1.46 | S59;P1.37 |
| S4;P1.10 | X7 | 1DDXMD7 | S17;P1.76# | S26;P1.58 | S4;P1.10 | S57;P1.64 | S58;P1.37 | |
| | | | S6;P1.46 | S7;P1.46 | | | | |
| S4;P1.12 | Y6 | 1DDYMD6 | S18;P1.75# | S28;P1.57 | S4;P1.12 | S8;P1.40 | S9;P1.40 | S59;P1.36 |
| S4;P1.13 | X6 | 1DDXMD6 | S17;P1.75# | S26;P1.57 | S4;P1.13 | S57;P1.62 | S58;P1.38 | |
| | | | S6;P1.40 | S7;P1.40 | | | | |
| S4;P1.14 | Y5 | 1DDYMD5 | S18;P1.73# | S28;P1.56 | S4;P1.14 | S8;P1.42 | S9;P1.42 | S59;P1.35 |
| S4;P1.15 | X5 | 1DDXMD5 | S17;P1.73# | S26;P1.56 | S4;P1.15 | S57;P1.60 | S58;P1.39 | |
| | | | S6;P1.42 | S7;P1.42 | | | | |
| S4;P1.16 | Y4 | 1DDYMD4 | S18;P1.77# | S28;P1.55 | S4;P1.16 | S8;P1.55 | S9;P1.55 | S59;P1.34 |
| S4;P1.17 | X4 | 1DDXMD4 | S17;P1.77# | S26;P1.55 | S4;P1.17 | S57;P1.58 | S58;P1.40 | |
| | | | S6;P1.55 | S7;P1.55 | | | | |
| S4;P1.19 | M7 | 1OTMULT7 | S1;P1.53 | S4;P1.19 | | | | |
| S4;P1.20 | M6 | 1OTMULT6 | S2;P1.17 | S3;P1.17 | S4;P1.20 | | | |
| S4;P1.22 | M5 | 1OTMULT5 | S2;P1.19 | S3;P1.19 | S4;P1.22 | | | |
| S4;P1.23 | M4 | 1OTMULT4 | S2;P1.22 | S3;P1.22 | S4;P1.23 | | | |
| S4;P1.24 | Y11 | 1DDYMD11 | S18;P1.66# | S28;P1.63 | S4;P1.24 | S8;P1.43 | S9;P1.43 | S58;P1.33 |
| S4;P1.25 | X11 | 1DDXMD11 | S17;P1.66# | S26;P1.63 | S30;P1.64 | S4;P1.25 | S57;P1.72 | |
| | | | S59;P1.42 | S6;P1.43 | S7;P1.43 | | | |
| S4;P1.26 | Y10 | 1DDYMD10 | S18;P1.68# | S28;P1.62 | S4;P1.26 | S8;P1.30 | S9;P1.30 | S58;P1.34 |
| S4;P1.27 | X10 | 1DDXMD10 | S17;P1.68# | S26;P1.62 | S30;P1.65 | S4;P1.27 | S57;P1.70 | |
| | | | S59;P1.40 | S6;P1.30 | S7;P1.30 | | | |
| S4;P1.28 | Y9 | 1DDYMD9 | S18;P1.60 | S28;P1.60 | S4;P1.28 | S8;P1.48 | S9;P1.48 | S58;P1.35 |
| S4;P1.29 | X9 | 1DDXMD9 | S17;P1.60 | S26;P1.60 | S30;P1.66 | S4;P1.29 | S57;P1.68 | |
| | | | S59;P1.39 | S6;P1.48 | S7;P1.48 | | | |
| S4;P1.30 | Y8 | 1DDYMD8 | S18;P1.65# | S28;P1.59 | S4;P1.30 | S8;P1.18 | S9;P1.18 | S58;P1.36 |
| S4;P1.32 | X8 | 1DDXMD8 | S17;P1.65# | S26;P1.59 | S30;P1.67 | S4;P1.32 | S57;P1.66 | |
| | | | S59;P1.38 | S6;P1.18 | S7;P1.18 | | | |
| S4;P1.34 | M11 | 1OTXAD11 | S1;P1.14 | S4;P1.34 | | | | |
| S4;P1.35 | M10 | 1OTMULT10 | S1;P1.59 | S4;P1.35 | | | | |
| S4;P1.36 | M9 | 1OTMULT9 | S1;P1.57 | S4;P1.36 | | | | |
| S4;P1.37 | M8 | 1OTMULT8 | S1;P1.55 | S4;P1.37 | | | | |
| S4;P1.38 | SHIFTIN | 1OMMEMOUT15 | S3;P1.12 | S4;P1.38 | | | | |
| S4;P1.39 | PROD0 | 1OTPROD0 | S4;P1.39 | S5;P1.54 | | | | |
| S4;P1.40 | PROD1 | 1OTPROD1 | S1;P1.45 | S4;P1.40 | | | | |
| S4;P1.42 | PROD2 | 1OTPROD2 | S1;P1.43 | S4;P1.42 | | | | |
| S4;P1.43 | PROD3 | 1OTPROD3 | S1;P1.39 | S4;P1.43 | | | | |
| S4;P1.44 | PROD4 | 1OTPROD4 | S1;P1.37 | S4;P1.44 | | | | |
| S4;P1.45 | PROD5 | 1OTPROD5 | S1;P1.35 | S4;P1.45 | | | | |
| S4;P1.46 | PROD6 | 1OTPROD6 | S1;P1.33 | S4;P1.46 | | | | |
| S4;P1.47 | PROD7 | 1OTPROD7 | S1;P1.29 | S4;P1.47 | | | | |
| S4;P1.48 | PROD8 | 1OTPROD8 | S1;P1.27 | S4;P1.48 | | | | |
| S4;P1.49 | PROD9 | 1OTPROD9 | S1;P1.25 | S4;P1.49 | | | | |
| S4;P1.50 | PROD10 | 1OTYFRACT | S1;P1.18 | S4;P1.50 | | | | |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S4;P1.52 | PROD11 | 1OTYLSB | S4;P1.12  S1;P1.12  S1;P1.52 |
| S4;P1.54 | I11 | 1OTDATAIN11 | S4;P1.54  S4;P1.54  S5;P1.36 |
| S4;P1.55 | 2GW | 1OC2GW | S4;P1.55  S4;P1.55  S5;P1.8 |
| S4;P1.56 | 2WR0 | 1OC2WR0 | S4;P1.56  S5;P1.28 |
| S4;P1.57 | 2WR1 | 1OC2WR1 | S4;P1.57  S5;P1.15 |
| S4;P1.58 | 2WR2 | 1OC2WR2 | S4;P1.58  S5;P1.16 |
| S4;P1.59 | 1GW | 1OC1GW | S4;P1.59  S5;P1.9 |
| S4;P1.60 | 1W0 | 1OC1W0 | S4;P1.60  S5;P1.17 |
| S4;P1.62 | 1W1 | 1OC1W1 | S4;P1.62  S5;P1.18 |
| S4;P1.63 | 1W2 | 1OC1W2 | S4;P1.63  S5;P1.19 |
| S4;P1.64 | 1R0 | 1OC1R0 | S4;P1.64  S5;P1.32 |
| S4;P1.65 | 1R1 | 1OC1R1 | S4;P1.65  S5;P1.30 |
| S4;P1.66 | 1R2 | 1OC1R2 | S4;P1.66  S5;P1.29 |
| S4;P1.67 | M3 | 1OTMULT3 | S2;P1.24  S3;P1.24  S4;P1.67 |
| S4;P1.68 | M2 | 1OTMULT2 | S2;P1.33  S3;P1.33  S4;P1.68 |
| S4;P1.69 | M1 | 1OTMULT1 | S2;P1.73  S3;P1.73  S4;P1.69 |
| S4;P1.72 | INPUTSELECT | 1OCSELYINPUT | S4;P1.72  S5;P1.33  S7;P1.37 |
| S4;P1.73 | Y3 | 1DDYMD3 | S18;P1.52#  S28;P1.54  S8;P1.37  S9;P1.37 / S17;P1.52#  S26;P1.54  S57;P1.67  S58;P1.42  S59;P1.33 |
| S4;P1.74 | X3 | 1DDXMD3 | S6;P1.37  S7;P1.37 |
| S4;P1.75 | Y2 | 1DDYMD2 | S18;P1.56#  S28;P1.53  S8;P1.64  S9;P1.64 / S17;P1.56#  S26;P1.53  S57;P1.65  S58;P1.43  S59;P1.32 |
| S4;P1.76 | X2 | 1DDXMD2 | S6;P1.64  S7;P1.64 |
| S4;P1.77 | Y1 | 1DDYMD1 | S18;P1.50#  S28;P1.52  S8;P1.39  S9;P1.39 / S17;P1.50#  S26;P1.52  S57;P1.63  S58;P1.44  S59;P1.29 |
| S4;P1.78 | X1 | 1DDXMD1 | S6;P1.39  S7;P1.39 |
| S4;P1.79 | Y0 | 1DDYMD0 | S18;P1.46#  S28;P1.50  S8;P1.44  S9;P1.44 / S17;P1.46#  S26;P1.50  S57;P1.59  S58;P1.45  S59;P1.30 |
| S4;P1.80 | X0 | 1DDXMD0 | S6;P1.44  S7;P1.44 |
| S5;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80  S13;P1.80  S2;P1.1  S3;P1.1  S46;P1.31 / S4;P1.1  S5;P1.1  S66;P1.1  S67;P1.1  S68;P1.1 / S8;P1.80  S9;P1.80  S76;P1.1  S76;P1.80  S77;P1.80 / S1;P1.1  S65;P1.1  S73;P1.80 |
| S5;P1.3 | *CLOCK | *CMCLK8 | S1;P1.3  S2;P1.3  S46;P1.26  S4;P1.3  S5;P1.3 / S65;P1.3  S66;P1.3  S68;P1.3  S69;P1.3 |
| S5;P1.4 | *BMAINT | 1OC*BMAINT | S1;P1.5  S2;P1.7  S3;P1.7  S4;P1.4  S5;P1.4 |
| S5;P1.5 | *CHAN | *CMCHN1 | S64;P1.66  S19;P1.3  S30;P1.45  S46;P1.54  S5;P1.5 |
| S5;P1.6 | *ITSME | *IMHERE | S15;P1.80  S19;P1.50#  S46;P1.79  S54;P1.6#  S5;P1.6 / S69;P1.6  S79;P1.80  S83;P1.50#  S63;P1.66 |
| S5;P1.7 | SEROUT | MDOUT | S15;P1.76  S19;P1.55#  S46;P1.9  S54;P1.70#  S5;P1.7 / S69;P1.7  S79;P1.76  S83;P1.55# |
| S5;P1.8 | *ENABLEWRITE | 1OC2GW | S4;P1.55  S5;P1.8 |
| S5;P1.9 | *ENABLEWRITE | 1OC1GW | S4;P1.59  S5;P1.9 |
| S5;P1.10 | CTLYMOD | 1OCCTLYMOD | S1;P1.17  S5;P1.10 |
| S5;P1.12 | SHIFT | CMSHIFT | S15;P1.28  S19;P1.26  S30;P1.29  S46;P1.6  S54;P1.59 / S5;P1.12  S63;P1.59  S64;P1.59  S69;P1.12  S83;P1.26 |
| S5;P1.13 | LOOP | CMDEVEN8 | S94;P1.29  S69;P1.13  S46;P1.67  S5;P1.13 |
| S5;P1.14 | SHIFTPRDATA | 1OCSHIFTPRDATA | S2;P1.66  S5;P1.14  S3;P1.66 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S5;P1.15 | 2WR1 | 1OC2WR1 | S4;P1.57  S5;P1.15 |
| S5;P1.16 | 2WR2 | 1OC2WR2 | S4;P1.58  S5;P1.16 |
| S5;P1.17 | 1W0 | 1OC1W0 | S4;P1.60  S5;P1.17 |
| S5;P1.18 | 1W1 | 1OC1W1 | S4;P1.62  S5;P1.18 |
| S5;P1.19 | 1W2 | 1OC1W2 | S4;P1.63  S5;P1.19 |
| S5;P1.20 | LDDATA | 1OCLOADINPUTDATA | S4;P1.8  S5;P1.20 |
| S5;P1.22 | LDMULT | 1OCLOADMULT | S4;P1.6  S5;P1.22 |
| S5;P1.23 | *DDACCAPT | *1DPACCEPT | S15;P1.53  S19;P1.16#  S5;P1.23  S60;P1.39# |
| S5;P1.24 | *DPDECODE | *1DPDECODE | S15;P1.44  S19;P1.32#  S5;P1.24  S60;P1.38# |
| S5;P1.25 | WAITSTCT | 1ICWAITSTCT | S1;P1.19  S5;P1.25 |
| S5;P1.26 | DDAVAIL | 1ACDDAVAIL | S15;P1.46  S19;P1.37#  S5;P1.26  S60;P1.37 |
| S5;P1.27 | *RESET | *CMGRE0 | S30;P1.18  S46;P1.13  S69;P1.27  S94;P1.18 |
| S5;P1.28 | 2WR0 | 1OC2WR0 | S4;P1.56  S5;P1.28 |
| S5;P1.29 | 1R2 | 1OC1R2 | S4;P1.66  S5;P1.29 |
| S5;P1.30 | 1R1 | 1OC1R1 | S4;P1.65  S5;P1.30 |
| S5;P1.32 | 1R0 | 1OC1R0 | S4;P1.64  S5;P1.32 |
| S5;P1.33 | SELINPUT | 1OCSELYINPUT | S4;P1.72  S5;P1.33 |
| S5;P1.34 | LDHOLD | 1OCLOADHOLD | S2;P1.4  S3;P1.4  S5;P1.34 |
| S5;P1.35 | LDPROD | 1OCLOADPROD | S4;P1.7  S5;P1.35 |
| S5;P1.36 | SHIFTIN | 1OTDATAIN11 | S4;P1.54  S5;P1.36 |
| S5;P1.37 | LIGHTPRIORIT | 1DDYB0 | S15;P1.49  S18;P1.18#  S19;P1.52  S5;P1.37 |
| S5;P1.38 | PERMITLIGHT | 1OCPERMITLIGHT | S19;P1.74  S5;P1.38 |
| S5;P1.39 | STOT1 | 1OCSTCT1 | S1;P1.49  S5;P1.39 |
| S5;P1.40 | STOT0 | 1OCSTCT0 | S1;P1.47  S5;P1.40 |
| S5;P1.42 | LOADYCNT | 1OCLOADYCNT | S1;P1.9  S5;P1.42 |
| S5;P1.43 | Y20 | 1DDYB4 | S15;P1.22  S60;P1.33  S18;P1.13#  S19;P1.6  S30;P1.68  S32;P1.68  S5;P1.43 |
| S5;P1.44 | XCNT6 | 1OCXCNT6 | S2;P1.16  S3;P1.16  S5;P1.44 |
| S5;P1.45 | XCNT5 | 1OCXCNT5 | S2;P1.18  S3;P1.18  S5;P1.45 |
| S5;P1.46 | XCNT4 | 1OCXCNT4 | S2;P1.20  S3;P1.20  S5;P1.46 |
| S5;P1.47 | XCNT3 | 1OCXCNT3 | S2;P1.23  S3;P1.23  S5;P1.47 |
| S5;P1.48 | XCNT2 | 1OCXCNT2 | S2;P1.32  S3;P1.32  S5;P1.48 |
| S5;P1.49 | XCNT1 | 1OCXCNT1 | S2;P1.72  S3;P1.72  S5;P1.49 |
| S5;P1.50 | DRAWSURF | 1ACDRAWSURF | S16;P1.29  S60;P1.29  S19;P1.18#  S24;P1.19  S28;P1.74  S5;P1.50 |
| S5;P1.52 | MEMPRIORITY | 1OSBLANKLIGHT | S1;P1.6#  S5;P1.52 |
| S5;P1.53 | AGTB | 1OMAGTB | S3;P1.52  S5;P1.53 |
| S5;P1.54 | YSIGN | 1OTPROD0 | S4;P1.39  S5;P1.54 |
| S5;P1.55 | Y18 | 1DDYB2 | S18;P1.17#  S19;P1.45  S30;P1.70  S5;P1.55  S60;P1.30 |
| S5;P1.56 | Y21 | 1DDYB5 | S18;P1.14#  S19;P1.44  S30;P1.56  S5;P1.56  S60;P1.34  S60;P1.35 |
| S5;P1.57 | Y22 | 1DDYB6 | S18;P1.7#  S19;P1.76  S30;P1.47  S32;P1.47  S5;P1.57 |
| S5;P1.58 | Y23 | 1DDYB7 | S18;P1.8#  S5;P1.58 |
| S5;P1.59 | YCNT1 | 1OCYCNT1 | S24;P1.69  S3;P1.69  S5;P1.59 |
| S5;P1.60 | *CMCLK20MHZ | *CMCLK20MHZ | S46;P1.14  S5;P1.60  S15;P1.31  S69;P1.60  S88;P1.69 |
| S5;P1.61 | GROUND | 1TW*CMCLK4 | S10;P1.80  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S5;P1.61  S6;P1.80  S69;P1.61  S70;P1.80  S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S11;P1.21  S14;P1.21  S16;P1.71  S20;P1.71  S47;P1.11  S71;P1.80  S7;P1.80  S74;P1.80  S80;P1.71  S12;P1.80 |
| S5;P1.62 | YCNT9 | 1OCYCNT9 | S2;P1.34  S3;P1.34  S5;P1.62 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S5;P1.63 | YCNT8 | 10CYCNT8 | S2;P1.36  S3;P1.36  S5;P1.63 |
| S5;P1.64 | YCNT7 | 10CYCNT7 | S2;P1.38  S3;P1.38  S5;P1.64 |
| S5;P1.65 | YCNT6 | 10CYCNT6 | S2;P1.53  S3;P1.53  S5;P1.65 |
| S5;P1.66 | YCNT5 | 10CYCNT5 | S2;P1.55  S3;P1.55  S5;P1.66 |
| S5;P1.67 | YCNT4 | 10CYCNT4 | S2;P1.57  S3;P1.57  S5;P1.67 |
| S5;P1.68 | YCNT3 | 10CYCNT3 | S2;P1.59  S3;P1.59  S5;P1.68 |
| S5;P1.69 | YCNT2 | 10CYCNT2 | S2;P1.67  S3;P1.67  S5;P1.69 |
| S5;P1.70 | LOADMEMINPUT | 10CLOADMEMINPUT | S2;P1.5  S3;P1.5  S5;P1.70 |
| S5;P1.71 | GROUND | 1TW*CMCLK9 | S47;P1.31  S5;P1.71  S69;P1.71 |
| S5;P1.72 | *MAINTCLOCK | *CMCLK9 | S46;P1.28  S5;P1.72  S69;P1.72 |
| S5;P1.73 | MEMREF | 10CMEMREF | S2;P1.64  S3;P1.64  S5;P1.73 |
| S5;P1.74 | CAS | 10CCAS | S2;P1.62  S3;P1.62  S5;P1.74 |
| S5;P1.75 | RC | 10CRC | S2;P1.6  S3;P1.6  S5;P1.75 |
| S5;P1.76 | RAS | 10CRAS | S2;P1.65  S3;P1.65  S5;P1.76 |
| S5;P1.77 | WADDRSEL | 10CWADDRSEL | S2;P1.29  S3;P1.29  S5;P1.77 |
| S5;P1.78 | MEMREAD | 10CMEMREAD | S2;P1.13  S3;P1.13  S5;P1.78 |
| S5;P1.79 | MEMWRITE | 10CMEMWRITE | S1;P1.20  S5;P1.79 |
| S5;P1.80 | Y19 | 1DDYB3 | S15;P1.23  S60;P1.32  S18;P1.15#  S19;P1.5  S30;P1.69  S32;P1.69  S5;P1.80 |
| S6;P1.2 |  | +5V6 | S6;P1.2  S6;P1.4 |
| S6;P1.3 | *WAU | *1EFWRTAU0 | S15;P1.3  S6;P1.3 |
| S6;P1.4 |  | +5V6 | S6;P1.2  S6;P1.4 |
| S6;P1.6 | *CEAU | 1EGOGND | S6;P1.41  S6;P1.58  S6;P1.6 |
| S6;P1.7 | ADR1 | 1FGOEADR1 | S10;P1.10  S6;P1.7  S6;P1.6 |
| S6;P1.8 | ADR2 | 1FGOEADR2 | S10;P1.63  S6;P1.8 |
| S6;P1.10 | ADR0 | 1FGOEADR0 | S10;P1.12  S6;P1.10 |
| S6;P1.12 | *A16 | *1EGOA16 | S10;P1.30  S6;P1.12 |
| S6;P1.14 | *A18 | *1EGOA18 | S10;P1.38  S6;P1.14 |
| S6;P1.15 | AUSIN | *1EGOA15 | S10;P1.29  S6;P1.15 |
| S6;P1.16 | *A17 | *1EGOA17 | S10;P1.35  S6;P1.16 |
| S6;P1.17 | *A19 | *1EGOA19 | S10;P1.36  S6;P1.17 |
| S6;P1.18 | *DI7 | 1DDXMD8 | S17;P1.65#  S26;P1.59  S30;P1.67  S7;P1.18  S4;P1.32  S57;P1.66  S58;P1.36 |
| S6;P1.19 | START | 1EGOSTART | S59;P1.38  S6;P1.18 |
| S6;P1.20 | ONES | 1EGOONES | S10;P1.6  S6;P1.19 |
| S6;P1.22 | *DI3 | 1DDXMD12 | S10;P1.7  S6;P1.20  S17;P1.63#  S26;P1.64  S30;P1.60  S57;P1.74  S58;P1.32  S59;P1.44 |
| S6;P1.23 | *START | *1EGOSTART | S6;P1.22  S7;P1.22 |
| S6;P1.27 | *DI2 | 1DDXMD13 | S10;P1.76  S17;P1.58#  S17;P1.76  S26;P1.23  S30;P1.59  S57;P1.76  S58;P1.45  S59;P1.27 |
| S6;P1.28 | *DI1 | 1DDXMD14 | S17;P1.64#  S7;P1.27  S26;P1.65  S30;P1.49  S32;P1.49  S57;P1.78  S59;P1.43 |
| S6;P1.29 | LOAD | 1EFFLOADA | S6;P1.28  S7;P1.28 |
| S6;P1.30 | *DI5 | 1DDXMD10 | S15;P1.33  S17;P1.68#  S26;P1.29  S26;P1.62  S30;P1.65  S57;P1.70  S58;P1.34  S7;P1.29  S8;P1.29  S9;P1.29  S4;P1.27  S7;P1.30 |
| S6;P1.33 | *SENSE | *1FGOSENSE | S59;P1.40  S10;P1.14  S12;P1.65  S13;P1.65  S15;P1.29  S6;P1.35 |
| S6;P1.34 | *A31 | 1EGOA31 | S10;P1.5  S10;P1.65  S11;P1.65  S9;P1.35  S8;P1.35 |
| S6;P1.35 | SHIFT | 1EFDEVB | S7;P1.35  S8;P1.35  S9;P1.35 |
| S6;P1.36 | SENSE | 1FGOSENSE | S10;P1.13  S6;P1.36  S7;P1.45 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S6;P1.37 | *DI12 | 1DDXMD3 | S17;P1.52#  S26;P1.54  S4;P1.74  S57;P1.67  S58;P1.42  S59;P1.33 |
| S6;P1.38 | CYIN | CMPUP | S6;P1.37  S7;P1.37  S70;P1.38  S71;P1.38  S72;P1.38  S73;P1.38  S46;P1.4  S6;P1.38  S9;P1.38  S7;P1.38  S8;P1.38 |
| S6;P1.39 | *DI14 | 1DDXMD1 | S17;P1.50#  S26;P1.52  S4;P1.78  S57;P1.63  S58;P1.44  S59;P1.29 |
| S6;P1.40 | *DI9 | 1DDXMD6 | S17;P1.75#  S26;P1.57  S4;P1.13  S57;P1.62  S58;P1.38  S59;P1.36 |
| S6;P1.41 | 1EGOGND | 1EGOGND | S6;P1.40  S7;P1.40  S6;P1.6  S6;P1.67  S6;P1.69 |
| S6;P1.42 | *DI10 | 1DDXMD5 | S17;P1.73#  S26;P1.56  S4;P1.15  S57;P1.60  S58;P1.39  S59;P1.35 |
| S6;P1.43 | *DI4 | 1DDXMD11 | S17;P1.66#  S26;P1.63  S30;P1.64  S4;P1.25  S57;P1.72  S58;P1.33  S59;P1.42  S6;P1.43  S7;P1.43 |
| S6;P1.44 | *DI15 | 1DDXMD0 | S17;P1.46#  S26;P1.50  S4;P1.80  S57;P1.59  S58;P1.45  S59;P1.30 |
| S6;P1.45 | ALSIN | 1PSENDF2 | S14;P1.47#  S26;P1.45  S4;P1.10  S57;P1.64  S58;P1.37  S59;P1.37 |
| S6;P1.46 | *DI8 | 1DDXMD7 | S17;P1.76#  S26;P1.58  S30;P1.66  S4;P1.29  S57;P1.68  S58;P1.35  S6;P1.46  S7;P1.46  S7;P1.48 |
| S6;P1.48 | *DI6 | 1DDXMD9 | S17;P1.60  S26;P1.60  S59;P1.39 |
| S6;P1.50 | *A8 | *1EGOA8 | S10;P1.28  S6;P1.50 |
| S6;P1.53 | *A9 | *1EGOA9 | S10;P1.27  S6;P1.53 |
| S6;P1.54 | *A11 | *1EGOA11 | S10;P1.34  S6;P1.54 |
| S6;P1.55 | *DI11 | 1DDXMD4 | S17;P1.77#  S26;P1.55  S4;P1.17  S57;P1.58  S58;P1.40  S59;P1.34  S6;P1.55  S7;P1.55 |
| S6;P1.56 | *A10 | *1EGOA10 | S10;P1.33  S6;P1.56  S7;P1.57  S8;P1.57  S9;P1.57 |
| S6;P1.57 | SELSUM | 1EFSELSUM | S15;P1.32  S6;P1.57  S6;P1.6  S6;P1.67  S6;P1.69 |
| S6;P1.58 | *CEAL | 1EGOGND | S6;P1.41  S6;P1.58 |
| S6;P1.60 | *A12 | *1EGOA12 | S10;P1.32  S6;P1.60 |
| S6;P1.62 | *DI0 | 1DDXMD15 | S17;P1.57#  S26;P1.67  S30;P1.50  S32;P1.50  S57;P1.80 |
| S6;P1.63 | *A15 | *1EGOA15 | S10;P1.29  S6;P1.15  S6;P1.63 |
| S6;P1.64 | *DI13 | 1DDXMD2 | S17;P1.56#  S26;P1.53  S4;P1.76  S57;P1.65  S58;P1.43  S59;P1.32  S6;P1.64  S7;P1.64 |
| S6;P1.65 | *A13 | *1EGOA13 | S10;P1.67  S6;P1.65 |
| S6;P1.66 | *A14 | *1EGOA14 | S10;P1.37  S6;P1.66 |
| S6;P1.67 | *CEBU | 1EGOGND | S6;P1.41  S6;P1.58  S6;P1.6  S6;P1.67  S6;P1.69 |
| S6;P1.68 | *WAL | *1EFWRTALO | S15;P1.5  S6;P1.58 |
| S6;P1.69 | *CEBL | 1EGOGND | S6;P1.41  S6;P1.70  S6;P1.6  S6;P1.67  S6;P1.69 |
| S6;P1.70 | *WBU | *1EFWRTBUO | S15;P1.13  S6;P1.72 |
| S6;P1.72 | *WBL | *1EFWRTBLO | S15;P1.14  S6;P1.73 |
| S6;P1.73 | ADR4 | 1FGOEADR4 | S10;P1.16  S6;P1.74 |
| S6;P1.74 | ADR5 | 1FGOEADR5 | S10;P1.15  S6;P1.76 |
| S6;P1.76 | ADR3 | 1FGOEADR3 | S10;P1.18 |
| S6;P1.79 | *CLK | *CMCLK4 | S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.72  S20;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79  S71;P1.79  S74;P1.79  S75;P1.3  S75;P1.79  S78;P1.22  S79;P1.34  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S6;P1.80 | | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S47;P1.11 |

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SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S7;P1.2 | | +5V7 | S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80 |
| S7;P1.3 | *WAU | *1EFWRTAU1 | S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71 |
| S7;P1.4 | *CEAU | +5V7 | S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80 |
| S7;P1.6 | | 1EG1GND | S7;P1.2  S7;P1.4 |
| S7;P1.7 | ADR1 | 1FG1EADR1 | S7;P1.6  S7;P1.3 |
| S7;P1.8 | ADR2 | 1FG1EADR2 | S7;P1.7  S7;P1.8 |
| S7;P1.10 | ADR0 | 1FG1EADR0 | S7;P1.41  S7;P1.58  S7;P1.10  S7;P1.67  S7;P1.69 |
| S7;P1.12 | *A16 | *1EG1A16 | S11;P1.10  S7;P1.63  S7;P1.12 |
| S7;P1.14 | *A18 | *1EG1A18 | S11;P1.12  S7;P1.14 |
| S7;P1.15 | AUSIN | *1EG1A15 | S11;P1.30  S7;P1.15  S57;P1.66  S58;P1.36 |
| S7;P1.16 | *A17 | *1EG1A17 | S11;P1.38  S7;P1.16  S58;P1.32  S59;P1.44 |
| S7;P1.17 | *A19 | *1EG1A19 | S11;P1.29  S7;P1.17  S59;P1.45  S6;P1.27 |
| S7;P1.18 | *DI7 | 1DDXMD8 | S11;P1.35  S7;P1.18  S57;P1.78  S59;P1.43 |
| S7;P1.19 | START | 1EG1START | S11;P1.36  S58;P1.34 |
| S7;P1.20 | ONES | 1EG1ONES | S11;P1.6  S11;P1.7  S7;P1.19 |
| S7;P1.22 | *DI3 | 1DDXMD12 | S17;P1.63#  S26;P1.64  S30;P1.60  S57;P1.74  S58;P1.32  S59;P1.44 |
| S7;P1.23 | *START | *1EG1START | S6;P1.22  S7;P1.22 |
| S7;P1.27 | *DI2 | 1DDXMD13 | S17;P1.76  S26;P1.65  S30;P1.59  S57;P1.76  S59;P1.59  S6;P1.35 |
| S7;P1.28 | *DI1 | 1DDXMD14 | S7;P1.27 |
| S7;P1.29 | LOAD | 1EFLOADA | S15;P1.33  S26;P1.66  S7;P1.29  S32;P1.49  S57;P1.78  S59;P1.29 |
| S7;P1.30 | *DI5 | 1DDXMD10 | S17;P1.68#  S26;P1.62  S30;P1.65  S8;P1.29  S57;P1.70  S58;P1.34 |
| S7;P1.33 | *SENSE | *1FG1SENSE | S59;P1.40  S6;P1.30  S7;P1.30  S4;P1.27 |
| S7;P1.34 | *A31 | 1EG1A31 | S11;P1.14  S7;P1.33  S12;P1.65  S13;P1.65  S15;P1.29 |
| S7;P1.35 | SHIFT | 1EFDEVB | S10;P1.65  S7;P1.5  S11;P1.65  S9;P1.35  S8;P1.35 |
| S7;P1.36 | SENSE | 1FG1SENSE | S7;P1.35  S11;P1.72  S15;P1.72  S57;P1.67  S58;P1.42  S59;P1.33 |
| S7;P1.37 | *DI12 | 1DDXMD3 | S11;P1.13  S17;P1.52#  S26;P1.54  S4;P1.74  S71;P1.38  S73;P1.38 |
| S7;P1.38 | CYIN | CMPUP | S6;P1.37  S46;P1.4  S70;P1.38  S72;P1.38 |
| S7;P1.39 | *DI14 | 1DDXMD1 | S8;P1.38  S9;P1.38  S57;P1.44  S59;P1.29 |
| S7;P1.40 | *DI9 | 1DDXMD6 | S17;P1.50#  S26;P1.52  S4;P1.78  S57;P1.62  S58;P1.38  S59;P1.36 |
| S7;P1.41 | | 1EG1GND | S6;P1.39  S7;P1.39  S7;P1.6  S7;P1.67  S7;P1.69 |
| S7;P1.42 | *DI10 | 1DDXMD5 | S17;P1.75#  S26;P1.57  S4;P1.15  S57;P1.60  S58;P1.39  S59;P1.35 |
| S7;P1.43 | *DI4 | 1DDXMD11 | S6;P1.40  S7;P1.41  S30;P1.64  S4;P1.25  S7;P1.72  S58;P1.33 |
| S7;P1.44 | *DI15 | 1DDXMD0 | S17;P1.66#  S59;P1.42  S7;P1.43  S4;P1.80  S57;P1.59  S59;P1.30 |
| S7;P1.45 | ALSIN | 1FG0SENSE | S17;P1.46#  S26;P1.50  S7;P1.44  S6;P1.44  S10;P1.13  S6;P1.36 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S7;P1.46 | *DI8 | 1DDXMD7 | S17;P1.76#  S26;P1.58  S4;P1.10  S57;P1.64  S58;P1.37  S59;P1.37  S6;P1.46  S7;P1.46 |
| S7;P1.48 | *DI6 | 1DDXMD9 | S17;P1.60  S26;P1.60  S30;P1.66  S4;P1.29  S57;P1.68  S58;P1.35  S59;P1.39  S6;P1.48  S7;P1.48 |
| S7;P1.50 | *A8 | *1EG1A8 | S11;P1.28  S7;P1.50 |
| S7;P1.53 | *A9 | *1EG1A9 | S11;P1.27  S7;P1.53 |
| S7;P1.54 | *A11 | *1EG1A11 | S11;P1.34  S7;P1.54 |
| S7;P1.55 | *DI11 | 1DDXMD4 | S17;P1.77#  S26;P1.55  S4;P1.17  S57;P1.58  S58;P1.40  S59;P1.34  S6;P1.55  S7;P1.55 |
| S7;P1.56 | *A10 | *1EG1A10 | S11;P1.33  S11;P1.56  S7;P1.56 |
| S7;P1.57 | SELSUM | 1EFSELSUM | S15;P1.32  S6;P1.57  S7;P1.57  S8;P1.57  S9;P1.57 |
| S7;P1.58 | *CEAL | 1EG1GND | S7;P1.41  S7;P1.58  S7;P1.6 |
| S7;P1.60 | *A12 | *1EG1A12 | S11;P1.32  S7;P1.60 |
| S7;P1.62 | *DIO | 1DDXMD15 | S17;P1.57#  S26;P1.67  S30;P1.50  S32;P1.50  S57;P1.80  S59;P1.47  S6;P1.62  S7;P1.62 |
| S7;P1.63 | *A15 | *1EG1A15 | S11;P1.29  S17;P1.15  S7;P1.15  S7;P1.63 |
| S7;P1.64 | *DI13 | 1DDXMD2 | S17;P1.56#  S26;P1.53  S4;P1.76  S57;P1.65  S58;P1.43  S59;P1.32  S6;P1.64  S7;P1.64 |
| S7;P1.65 | *A13 | *1EG1A13 | S11;P1.67  S7;P1.65 |
| S7;P1.66 | *A14 | *1EG1A14 | S11;P1.37  S7;P1.66 |
| S7;P1.67 | *CEBU | 1EG1GND | S7;P1.41  S7;P1.67  S7;P1.6  S7;P1.69 |
| S7;P1.68 | *WAL | *1EFWRTAL1 | S15;P1.7  S7;P1.58  S7;P1.68 |
| S7;P1.69 | *CEBL | 1EG1GND | S7;P1.41  S7;P1.58  S7;P1.6  S7;P1.69 |
| S7;P1.70 | *WBU | *1EFWRTBU1 | S15;P1.15  S7;P1.70 |
| S7;P1.72 | *WBL | *1EFWRTBL1 | S15;P1.16  S7;P1.72 |
| S7;P1.73 | ADR4 | 1FG1EADR4 | S11;P1.16  S11;P1.73 |
| S7;P1.74 | ADR5 | 1FG1EADR5 | S11;P1.15  S7;P1.74 |
| S7;P1.76 | ADR3 | 1FG1EADR3 | S11;P1.18  S11;P1.76 |
| S7;P1.79 | *CLK | *CMCLK4 | S10;P1.79  S11;P1.79  S21;P1.72  S22;P1.72  S71;P1.79  S74;P1.79  S7;P1.79  S80;P1.72  S16;P1.72  S6;P1.79  S78;P1.22  S86;P1.72  S20;P1.72  S70;P1.79  S79;P1.34  S87;P1.72 |
| S7;P1.80 | | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S21;P1.71  S22;P1.71  S5;P1.61  S69;P1.61  S75;P1.1  S75;P1.80  S84;P1.71  S85;P1.71  S16;P1.71  S46;P1.21  S71;P1.80  S7;P1.80  S12;P1.80  S20;P1.71  S47;P1.11  S74;P1.80  S80;P1.71 |
| S8;P1.2 | | +5V8 | S8;P1.2  S8;P1.4 |
| S8;P1.3 | *WAU | *1EFWRTAU2 | S15;P1.8  S8;P1.3  S8;P1.4 |
| S8;P1.4 | | +5V8 | S8;P1.2  S8;P1.4 |
| S8;P1.6 | *CEAU | 1EG2GND | S8;P1.41  S8;P1.58  S8;P1.6  S8;P1.67  S8;P1.69 |
| S8;P1.7 | ADR1 | 1FG2EADR1 | S12;P1.10  S8;P1.7 |
| S8;P1.8 | ADR2 | 1FG2EADR2 | S12;P1.63  S8;P1.8 |
| S8;P1.10 | ADR0 | 1FG2EADRO | S12;P1.12  S8;P1.10 |
| S8;P1.12 | *A16 | *1EG2A16 | S12;P1.30  S8;P1.12 |
| S8;P1.14 | *A18 | *1EG2A18 | S12;P1.38  S8;P1.14 |
| S8;P1.15 | AUSIN | *1EG2A15 | S12;P1.29  S8;P1.15 |
| S8;P1.16 | *A17 | *1EG2A17 | S12;P1.35  S8;P1.16 |
| S8;P1.17 | *A19 | *1EG2A19 | S12;P1.36  S8;P1.17 |
| S8;P1.18 | *DI7 | 1DDYMD8 | S18;P1.65#  S28;P1.59  S4;P1.30  S8;P1.63  S8;P1.67  S9;P1.18  S8;P1.18 |

200116100A0
SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | | | | | | |
|---|---|---|---|---|---|---|---|---|
| S8;P1.19 | START | 1EG2START | S12;P1.6 | S8;P1.19 | S8;P1.6 | | | |
| S8;P1.20 | ONES | 1EG2ONES | S12;P1.7 | S8;P1.20 | S8;P1.7 | | | |
| S8;P1.22 | *DI3 | 1DDYMD12 | S18;P1.63# | S28;P1.64 | | | | |
| S8;P1.23 | *START | *1EG2START | S12;P1.76 | S8;P1.23 | S8;P1.22 | S9;P1.22 | | S9;P1.28 |
| S8;P1.27 | *DI2 | 1DDYMD13 | S18;P1.58# | S28;P1.65 | S8;P1.27 | S9;P1.27 | | S8;P1.28 |
| S8;P1.28 | *DI1 | 1DDYMD14 | S18;P1.64# | S28;P1.66 | S30;P1.36 | S32;P1.36 | | S9;P1.29 |
| S8;P1.29 | LOAD | 1EFLOADA | S15;P1.33 | S6;P1.29 | S7;P1.29 | S8;P1.29 | | S9;P1.30 |
| S8;P1.30 | *DI5 | 1DDYMD10 | S18;P1.68# | S28;P1.62 | S4;P1.26 | S8;P1.30 | | |
| S8;P1.33 | *SENSE | *1FG2SENSE | S12;P1.14 | S8;P1.33 | | | | |
| S8;P1.34 | *A31 | *1EG2A31 | S12;P1.5 | S8;P1.34 | | | | |
| S8;P1.35 | SHIFT | 1EFDEVB | S10;P1.65 | S11;P1.65 | S12;P1.65 | S13;P1.65 | S15;P1.29 | S6;P1.35 |
| S8;P1.36 | SENSE | 1FG2SENSE | S7;P1.35 | S8;P1.35 | S9;P1.35 | | | |
| S8;P1.37 | *DI12 | 1DDYMD3 | S18;P1.52# | S28;P1.54 | S4;P1.73 | S8;P1.37 | | S9;P1.37 |
| S8;P1.38 | CYIN | CMPUP | S46;P1.4 | S6;P1.38 | S70;P1.38 | S71;P1.38 | S72;P1.38 | S73;P1.38 |
| S8;P1.39 | *DI14 | 1DDYMD1 | S18;P1.50# | S28;P1.52 | S4;P1.77 | S8;P1.39 | | S9;P1.39 |
| S8;P1.40 | *DI9 | 1DDYMD6 | S18;P1.75# | S28;P1.57 | S4;P1.12 | S8;P1.40 | | S9;P1.40 |
| S8;P1.41 | | 1EG2GND | S8;P1.41 | S8;P1.58 | S8;P1.6 | S8;P1.69 | | |
| S8;P1.42 | *DI10 | 1DDYMD5 | S18;P1.73# | S28;P1.56 | S4;P1.14 | S8;P1.42 | | S9;P1.42 |
| S8;P1.43 | *DI4 | 1DDYMD11 | S18;P1.66# | S28;P1.63 | S4;P1.24 | S8;P1.43 | | S9;P1.43 |
| S8;P1.44 | *DI15 | 1DDYMD0 | S18;P1.46# | S28;P1.50 | S4;P1.79 | S8;P1.44 | | S9;P1.44 |
| S8;P1.45 | ALSIN | CMSEROUT | S15;P1.70 | S17;P1.5 | S1;P1.23 | S46;P1.37 | S47;P1.40 | S57;P1.40 |
| S8;P1.46 | *DI8 | 1DDYMD7 | S65;P1.23 | S72;P1.45 | S79;P1.70 | S81;P1.5 | S8;P1.45 | |
| S8;P1.48 | *DI6 | 1DDYMD9 | S18;P1.76# | S28;P1.58 | S4;P1.9 | S8;P1.46 | | S9;P1.46 |
| S8;P1.50 | *A8 | *1EG2A8 | S18;P1.60 | S28;P1.60 | S4;P1.28 | S8;P1.48 | | S9;P1.48 |
| S8;P1.53 | *A9 | *1EG2A9 | S12;P1.28 | S8;P1.50 | | | | |
| S8;P1.54 | *A11 | *1EG2A11 | S12;P1.27 | S8;P1.53 | | | | |
| S8;P1.55 | *DI11 | 1DDYMD4 | S18;P1.77# | S28;P1.55 | S4;P1.16 | S8;P1.55 | | S9;P1.55 |
| S8;P1.56 | *A10 | *1EG2A10 | S12;P1.33 | S8;P1.56 | | | | |
| S8;P1.57 | SELSUM | 1EFSELSUM | S15;P1.32 | S6;P1.57 | S7;P1.57 | S8;P1.57 | | S9;P1.57 |
| S8;P1.58 | *CEAL | 1EG2GND | S8;P1.41 | S8;P1.58 | S8;P1.6 | S8;P1.69 | | |
| S8;P1.60 | *A12 | *1EG2A12 | S12;P1.32 | S8;P1.60 | | | | |
| S8;P1.62 | *DI0 | 1DDYMD15 | S18;P1.57# | S28;P1.67 | S30;P1.37 | S32;P1.37 | | S9;P1.62 |
| S8;P1.63 | *A15 | *1EG2A15 | S12;P1.29 | S8;P1.15 | | | | |
| S8;P1.64 | *DI13 | 1DDYMD2 | S18;P1.56# | S28;P1.53 | S4;P1.75 | S8;P1.64 | | S9;P1.64 |
| S8;P1.65 | *A13 | *1EG2A13 | S12;P1.37 | S8;P1.65 | | | | |
| S8;P1.66 | *A14 | *1EG2A14 | S8;P1.66 | | | | | |
| S8;P1.67 | *CEBU | 1EG2GND | S8;P1.41 | S8;P1.58 | S8;P1.6 | S8;P1.69 | | |
| S8;P1.68 | *WAL | *1EFWRTAL2 | S15;P1.9 | S8;P1.68 | | | | |
| S8;P1.69 | *CEBL | 1EG2GND | S8;P1.41 | S8;P1.58 | S8;P1.6 | S8;P1.69 | | |
| S8;P1.70 | *WBU | *1EFWRTBU2 | S15;P1.17 | S8;P1.70 | | | | |
| S8;P1.72 | *WBL | *1EFWRTBL2 | S15;P1.18 | S8;P1.72 | | | | |
| S8;P1.73 | ADR4 | 1FG2EADR4 | S12;P1.16 | S8;P1.73 | | | | |
| S8;P1.74 | ADR5 | 1FG2EADR5 | S12;P1.15 | S8;P1.74 | | | | |
| S8;P1.76 | ADR3 | 1FG2EADR3 | S12;P1.18 | S8;P1.76 | | | | S76;P1.3 |
| S8;P1.79 | *CLK | *CMCLK5 | S12;P1.79 | S13;P1.79 | S46;P1.22 | S72;P1.79 | S73;P1.79 | S76;P1.3 |
| | | | S76;P1.79 | S77;P1.79 | S88;P1.79 | S9;P1.79 | S9;P1.79 | |
| S8;P1.80 | | 1TW*CMCLK5 | S12;P1.80 | S13;P1.80 | S1;P1.1 | S2;P1.1 | S3;P1.1 | S46;P1.31 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS (SLOT;CON.PIN_NO) |
|---|---|---|---|
| S9;P1.2 | | +5V9 | S4;P1.1, S5;P1.1, S65;P1.1, S66;P1.1, S67;P1.1, S68;P1.1 |
| S9;P1.3 | *WAU | *1EFWRTAU3 | S69;P1.1, S72;P1.80, S73;P1.80, S76;P1.1, S76;P1.80, S77;P1.80 |
| S9;P1.4 | | +5V9 | S8;P1.80 |
| S9;P1.6 | *CEAU | 1EG3GND | S9;P1.2 |
| S9;P1.7 | ADR1 | 1FG3EADR1 | S15;P1.10 |
| S9;P1.8 | ADR2 | 1FG3EADR2 | S9;P1.2 |
| S9;P1.10 | ADR0 | 1FG3EADR0 | S9;P1.41, S9;P1.58, S9;P1.67, S9;P1.69, S9;P1.69 |
| S9;P1.12 | *A16 | *1EG3A16 | S13;P1.10 |
| S9;P1.14 | *A18 | *1EG3A18 | S13;P1.63 |
| S9;P1.15 | AUSIN | AUSIN | S13;P1.12, S9;P1.63 |
| S9;P1.16 | *A17 | *1EG3A17 | S13;P1.30 |
| S9;P1.17 | *A19 | *1EG3A19 | S13;P1.38 |
| S9;P1.18 | *DI7 | 1DDYMD8 | S13;P1.29 |
| S9;P1.19 | START | 1EG3START | S13;P1.35 |
| S9;P1.20 | ONES | 1EG3ONES | S13;P1.36 |
| S9;P1.22 | *DI3 | 1DDYMD12 | S18;P1.65#, S28;P1.59 |
| S9;P1.23 | *START | *1EG3START | S13;P1.6, S9;P1.19 |
| S9;P1.27 | *DI2 | 1DDYMD13 | S13;P1.7, S9;P1.20 |
| S9;P1.28 | *DI1 | 1DDYMD14 | S18;P1.63#, S28;P1.64, S8;P1.27, S9;P1.27, S9;P1.28 |
| S9;P1.29 | LOAD | 1EFLOADA | S13;P1.76, S30;P1.36, S32;P1.36, S8;P1.28, S8;P1.29, S9;P1.29 |
| S9;P1.30 | *DI5 | 1DDYMD10 | S18;P1.58#, S28;P1.65, S6;P1.29, S7;P1.29, S8;P1.30, S9;P1.30 |
| S9;P1.33 | *SENSE | *1FG3SENSE | S18;P1.64#, S28;P1.66, S4;P1.26 |
| S9;P1.34 | *A31 | *1EG3A31 | S15;P1.33 |
| S9;P1.35 | SHIFT | 1EFDEVB | S18;P1.68#, S28;P1.62, S6;P1.35 |
| S9;P1.36 | SENSE | 1FG3SENSE | S13;P1.14, S9;P1.33 |
| S9;P1.37 | *DI12 | 1DDYMD3 | S13;P1.5, S9;P1.34 |
| S9;P1.38 | CYIN | CMPUP | S10;P1.65, S11;P1.65, S12;P1.65, S13;P1.65, S15;P1.65, S7;P1.35, S8;P1.35, S9;P1.35, S9;P1.36, S15;P1.75 |
| S9;P1.39 | *DI14 | 1DDYMD1 | S13;P1.13, S15;P1.13, S28;P1.52, S4;P1.73, S8;P1.37, S9;P1.37 |
| S9;P1.40 | *DI9 | 1DDYMD6 | S18;P1.52#, S28;P1.54, S4;P1.73, S70;P1.38, S71;P1.38, S72;P1.38, S73;P1.38, S9;P1.38 |
| S9;P1.41 | | 1EG3GND | S46;P1.4, S6;P1.38, S7;P1.38, S8;P1.38 |
| S9;P1.42 | *DI10 | 1DDYMD5 | S18;P1.50#, S28;P1.52, S4;P1.77, S8;P1.39, S9;P1.39 |
| S9;P1.43 | *DI4 | 1DDYMD11 | S18;P1.75#, S28;P1.57, S4;P1.12, S8;P1.40, S9;P1.40 |
| S9;P1.44 | *DI15 | 1DDYMD0 | S9;P1.41, S9;P1.58, S9;P1.6, S9;P1.67, S9;P1.69 |
| S9;P1.45 | ALSIN | 1FG2SENSE | S18;P1.73#, S28;P1.56, S4;P1.14, S8;P1.42, S9;P1.42 |
| S9;P1.46 | *DI8 | 1DDYMD7 | S18;P1.66#, S28;P1.63, S4;P1.24, S8;P1.43, S9;P1.43 |
| S9;P1.48 | *DI6 | 1DDYMD9 | S18;P1.46#, S28;P1.50, S4;P1.79, S8;P1.44, S9;P1.44 |
| S9;P1.50 | *A8 | *1EG3A8 | S12;P1.13, S8;P1.36, S9;P1.45 |
| S9;P1.53 | *A9 | *1EG3A9 | S18;P1.76#, S28;P1.58, S4;P1.9, S8;P1.46, S9;P1.46 |
| S9;P1.54 | *A11 | *1EG3A11 | S18;P1.60, S28;P1.60, S4;P1.28, S8;P1.48, S9;P1.48 |
| S9;P1.55 | *DI11 | 1DDYMD4 | S13;P1.28, S9;P1.50 |
| S9;P1.56 | *A10 | *1EG3A10 | S13;P1.27, S9;P1.53 |
| S9;P1.57 | SELSUM | 1EFSELSUM | S13;P1.34, S4;P1.16, S8;P1.55, S9;P1.55 |
| S9;P1.58 | *CEAL | 1EG3GND | S18;P1.77#, S13;P1.33, S7;P1.57, S8;P1.57, S9;P1.57 |
| S9;P1.60 | *A12 | *1EG3A12 | S15;P1.32, S9;P1.6, S9;P1.58, S9;P1.69 |
| S9;P1.62 | *DI0 | 1DDYMD15 | S13;P1.32, S18;P1.57#, S28;P1.67, S30;P1.37, S32;P1.37, S8;P1.62, S9;P1.62 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S9;P1.63 | *A15 | *1EG3A15 | S13;P1.29  S13;P1.15  S9;P1.15 |
| S9;P1.64 | *DI13 | 1DDYMD2 | S18;P1.56#  S28;P1.53  S4;P1.75 |
| S9;P1.65 | *A13 | *1EG3A13 | S13;P1.67  S9;P1.65 |
| S9;P1.66 | *A14 | *1EG3A14 | S13;P1.37  S9;P1.66 |
| S9;P1.67 | *CEBU | 1EG3GND | S9;P1.41  S9;P1.58  S9;P1.6  S8;P1.64  S9;P1.64 |
| S9;P1.68 | *WAL | *1EFWRTAL3 | S15;P1.12  S9;P1.68 |
| S9;P1.69 | *CEBL | 1EG3GND | S9;P1.41  S9;P1.58  S9;P1.6  S9;P1.67  S9;P1.69 |
| S9;P1.70 | *WBU | *1EFWRTBU3 | S15;P1.19  S9;P1.70 |
| S9;P1.72 | *WBL | *1EFWRTBL3 | S15;P1.20  S9;P1.72 |
| S9;P1.73 | ADR4 | 1FG3EADR4 | S13;P1.16  S9;P1.73 |
| S9;P1.74 | ADR5 | 1FG3EADR5 | S13;P1.15  S9;P1.74 |
| S9;P1.76 | ADR3 | 1FG3EADR3 | S13;P1.18  S9;P1.76 |
| S9;P1.79 | *CLK | *CMCLK5 | S12;P1.79  S13;P1.79  S72;P1.79  S73;P1.79  S76;P1.3 |
| S9;P1.80 |  | 1TW*CMCLK5 | S76;P1.79  S77;P1.79  S8;P1.79  S77;P1.1  S46;P1.31 ; S12;P1.80  S13;P1.80  S72;P1.80  S2;P1.1  S68;P1.1 ; S4;P1.1  S5;P1.1  S1;P1.1  S66;P1.1  S77;P1.80 ; S69;P1.1  S73;P1.80  S65;P1.1  S76;P1.80 ; S8;P1.80  S9;P1.80  S67;P1.1 |
| S10;P1.2 | +5VDC | +5V10 | S10;P1.2  S10;P1.4 |
| S10;P1.4 |  | +5V10 | S10;P1.2  S10;P1.4 |
| S10;P1.5 | PLUS | 1EG0A31 | S10;P1.5  S6;P1.34 |
| S10;P1.6 | START | 1EG0START | S10;P1.6  S6;P1.19 |
| S10;P1.7 | ONES | 1EG00NES | S10;P1.7  S6;P1.20 |
| S10;P1.8 | NFFEGTS | 1FGNFFEGTS | S13;P1.8  S12;P1.8  S11;P1.8  S10;P1.8  S14;P1.80  S12;P1.9 |
| S10;P1.9 | FRONTFACE | 1FD13 | S13;P1.9  S11;P1.9  S10;P1.9  S11;P1.58  S10;P1.58  S12;P1.58 |
| S10;P1.10 | EA1 | 1FG0EADR1 | S10;P1.10  S6;P1.7 |
| S10;P1.12 | EA0 | 1FG0EADR0 | S10;P1.12  S6;P1.10 |
| S10;P1.13 | SENSE | 1FG0SENSE | S10;P1.13  S6;P1.36 |
| S10;P1.14 | *SENSE | *1FG0SENSE | S10;P1.14  S6;P1.33 |
| S10;P1.15 | EA5 | 1FG0EADR5 | S10;P1.15  S6;P1.74 |
| S10;P1.16 | EA4 | 1FG0EADR4 | S10;P1.16  S6;P1.73 |
| S10;P1.17 | FD7 | 1FD7 | S13;P1.17  S12;P1.17  S11;P1.17  S10;P1.17  S14;P1.15  S16;P1.62  S17;P1.39#  S18;P1.39# |
| S10;P1.18 | EA3 | 1FG0EADR3 | S10;P1.18  S6;P1.76 |
| S10;P1.19 | FD5 | 1FD5 | S13;P1.19  S12;P1.19  S11;P1.19  S10;P1.19  S14;P1.74#  S17;P1.34#  S18;P1.34#  S20;P1.22  S21;P1.22  S22;P1.19  S23;P1.22  S15;P1.22 |
| S10;P1.20 | FD6 | 1FD6 | S13;P1.20  S12;P1.20  S11;P1.20  S10;P1.20  S15;P1.65  S17;P1.40#  S18;P1.40# |
| S10;P1.22 | FD4 | 1FD4 | S13;P1.22  S12;P1.22  S11;P1.22  S10;P1.22  S14;P1.73#  S17;P1.30#  S18;P1.30#  S20;P1.10  S21;P1.10  S22;P1.10  S23;P1.10  S15;P1.10 |
| S10;P1.23 | FD2 | 1FD2 | S13;P1.23  S12;P1.23  S11;P1.23  S14;P1.18  S16;P1.67  S17;P1.33#  S18;P1.33# |
| S10;P1.24 | FD3 | 1FD3 | S13;P1.24  S12;P1.24  S11;P1.24  S10;P1.24  S14;P1.76#  S17;P1.28#  S18;P1.28#  S20;P1.59  S21;P1.59  S22;P1.59  S23;P1.59  S15;P1.59 |
| S10;P1.25 | FD1 | 1FD1 | S13;P1.25  S12;P1.25  S11;P1.25  S10;P1.25  S14;P1.72#  S17;P1.20#  S18;P1.20#  S20;P1.20 |
| S10;P1.26 | FD0 | 1FD0 | S13;P1.26  S12;P1.26  S11;P1.26  S10;P1.26  S14;P1.79#  S17;P1.32#  S18;P1.32# |
| S10;P1.27 | *A9 | *1EG0A9 | S10;P1.27  S6;P1.53 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S10;P1.28 | *A8 | *1EG0A8 | S6;P1.28  S6;P1.50 |
| S10;P1.29 | *A15 | *1EG0A15 | S6;P1.29  S6;P1.15 |
| S10;P1.30 | *A16 | *1EG0A16 | S6;P1.30  S6;P1.12 |
| S10;P1.32 | *A12 | *1EG0A12 | S6;P1.32  S6;P1.60 |
| S10;P1.33 | *A10 | *1EG0A10 | S6;P1.33  S6;P1.56 |
| S10;P1.34 | *A11 | *1EG0A11 | S6;P1.34  S6;P1.54 |
| S10;P1.35 | *A17 | *1EG0A17 | S6;P1.35  S6;P1.16 |
| S10;P1.36 | *A19 | *1EG0A19 | S6;P1.36  S6;P1.17 |
| S10;P1.37 | *A14 | *1EG0A14 | S6;P1.37  S6;P1.66 |
| S10;P1.38 | *A18 | *1EG0A18 | S6;P1.38  S6;P1.14  S6;P1.63 |
| S10;P1.39 | *STENDF1 | *1FGSTENDF1 | S11;P1.39  S12;P1.39  S13;P1.39  S14;P1.32 |
| S10;P1.40 | *STENDF2 | *1FGSTENDF2 | S11;P1.40  S12;P1.40  S13;P1.40  S14;P1.33 |
| S10;P1.42 | *STEND1 | *1FGSTEND1 | S11;P1.42  S12;P1.42  S13;P1.42  S14;P1.36 |
| S10;P1.43 | *STEND0 | *1FGSTEND0 | S11;P1.43  S12;P1.43  S13;P1.43  S14;P1.37 |
| S10;P1.44 | *STEND3 | *1FGSTEND3 | S11;P1.44  S12;P1.44  S13;P1.44  S14;P1.29 |
| S10;P1.45 | *STEND2 | *1FGSTEND2 | S11;P1.45  S12;P1.45  S13;P1.45  S14;P1.30 |
| S10;P1.46 | *STEND7 | *1FGSTEND7 | S11;P1.46  S12;P1.46  S13;P1.46  S14;P1.23 |
| S10;P1.47 | *STEND8 | *1FGSTEND8 | S11;P1.47  S12;P1.47  S13;P1.47  S14;P1.27 |
| S10;P1.48 | *STEND9 | *1FGSTEND9 | S11;P1.48  S12;P1.48  S13;P1.48  S14;P1.26 |
| S10;P1.49 | *STEND4 | *1FGSTEND4 | S11;P1.49  S12;P1.49  S13;P1.49  S14;P1.35 |
| S10;P1.50 | *STEND5 | *1FGSTEND5 | S11;P1.50  S12;P1.50  S13;P1.50  S14;P1.34 |
| S10;P1.52 | FD9 | 1FD9 | S17;P1.42#  S18;P1.42#  S11;P1.52  S12;P1.52  S13;P1.52  S14;P1.7  S16;P1.65 |
| S10;P1.53 | FD8 | 1FD8 | S17;P1.53  S18;P1.38#  S11;P1.53  S12;P1.53  S13;P1.53  S14;P1.17  S16;P1.66 |
| S10;P1.54 | FD10 | 1FD10 | S17;P1.38#  S18;P1.43#  S11;P1.54  S12;P1.54  S13;P1.54  S14;P1.12  S16;P1.64 |
| S10;P1.55 | FD11 | 1FD11 | S17;P1.43#  S18;P1.44#  S11;P1.55  S12;P1.55  S13;P1.55  S14;P1.14  S16;P1.63 |
| S10;P1.56 | FD14 | 1FD14 | S17;P1.44#  S11;P1.56  S21;P1.56  S12;P1.56  S22;P1.62  S23;P1.62  S13;P1.56  S14;P1.66#  S20;P1.62 |
| S10;P1.57 | FD15 | 1FD15 | S11;P1.57  S21;P1.57  S12;P1.57  S22;P1.57  S23;P1.73  S13;P1.57  S14;P1.68#  S20;P1.73 |
| S10;P1.58 | FD13 | 1FD13 | S13;P1.58  S11;P1.58  S11;P1.9  S12;P1.58  S13;P1.9  S11;P1.9  S12;P1.9 |
| S10;P1.59 | FD12 | 1FD12 | S11;P1.59  S21;P1.59  S12;P1.59  S22;P1.74  S13;P1.59  S14;P1.67#  S20;P1.74 |
| S10;P1.60 | *INCADR | *1EFINCFGADR | S11;P1.60  S21;P1.60  S12;P1.60  S13;P1.60  S15;P1.63 |
| S10;P1.62 | FD17 | 1FD17 | S11;P1.62  S21;P1.62  S12;P1.62  S22;P1.9  S23;P1.9  S13;P1.62  S14;P1.77#  S20;P1.9 |
| S10;P1.63 | EA2 | 1FG0EADR2 | S6;P1.8 |
| S10;P1.64 | WRTEC | 1EFWRTEC0 | S15;P1.24 |
| S10;P1.65 | *ENABFD | 1EFDEVB | S15;P1.65  S8;P1.35  S7;P1.35  S9;P1.35  S15;P1.29  S6;P1.35 |
| S10;P1.66 | GROUND | *1FG0ITSME | S19;P1.75 |
| S10;P1.67 | *A13 | *1EG0A13 | S6;P1.65 |
| S10;P1.68 | *STEND6 | *1FGSTEND6 | S11;P1.68  S12;P1.68  S13;P1.68  S14;P1.24 |
| S10;P1.69 | FD16 | 1FD16 | S11;P1.69  S12;P1.69  S13;P1.69  S14;P1.78# |
| S10;P1.70 | CNTOVFL | 1FG0CNTOVFL | S15;P1.37 |
| S10;P1.72 | *DEVICE | *1EFDEVB | S11;P1.72  S12;P1.72  S13;P1.72  S14;P1.13  S15;P1.30 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS (SLOT;CON.PIN_NO) |
|---|---|---|---|
| S10;P1.73 | *RESET | *CMGRE1 | S16;P1.79  S20;P1.55  S21;P1.55  S22;P1.55  S23;P1.55  S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64  S16;P1.80  S17;P1.78  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5  S60;P1.5  S74;P1.73  S75;P1.73  S76;P1.73  S77;P1.73  S78;P1.10  S79;P1.64  S80;P1.80  S81;P1.78  S82;P1.78  S83;P1.46 |
| S10;P1.74 | FGOKEY | 1EFFGOKEY0 | S10;P1.74  S15;P1.58 |
| S10;P1.75 | FD18 | 1FD18 | S10;P1.75  S11;P1.75  S12;P1.75  S13;P1.75  S14;P1.75#  S20;P1.8  S21;P1.8  S22;P1.8  S23;P1.8  S6;P1.23 |
| S10;P1.76 | SERIN | *1EG0START | S10;P1.76  S11;P1.77  S12;P1.77  S13;P1.77  S15;P1.35 |
| S10;P1.77 | *CLRADR | *1EFCLRFGADR | S10;P1.77  S11;P1.78  S12;P1.78  S13;P1.78  S14;P1.69# |
| S10;P1.78 | FD19 | 1FD19 | S10;P1.78  S11;P1.78  S12;P1.78  S13;P1.78  S21;P1.76  S22;P1.76  S23;P1.76  S20;P1.76 |
| S10;P1.79 | *CLOCK | *CMCLK4 | S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.72  S20;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79  S71;P1.72  S74;P1.79  S75;P1.3  S75;P1.79  S78;P1.22  S79;P1.34  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S10;P1.80 | GROUND | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S47;P1.11  S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80  S75;P1.80  S75;P1.1  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80 |
| S11;P1.2 | +5VDC | +5V11 | S11;P1.2  S11;P1.4 |
| S11;P1.4 |  | +5V11 | S11;P1.4  S11;P1.2 |
| S11;P1.5 | PLUS | 1EG1A31 | S11;P1.5  S7;P1.34 |
| S11;P1.6 | START | 1EG1START | S11;P1.6  S7;P1.19 |
| S11;P1.7 | ONES | 1EG1ONES | S11;P1.7  S7;P1.20 |
| S11;P1.8 | NFFEGTS | 1FGNFFEGTS | S11;P1.8  S10;P1.8  S12;P1.8  S13;P1.8  S14;P1.80  S12;P1.9 |
| S11;P1.9 | FRONTFACE | 1FD13 | S11;P1.9  S10;P1.58  S13;P1.9  S12;P1.58 |
| S11;P1.10 | EA1 | 1FG1EADR1 | S11;P1.10  S7;P1.7 |
| S11;P1.12 | EA0 | 1FG1EADR0 | S11;P1.12  S7;P1.10 |
| S11;P1.13 | SENSE | 1FG1SENSE | S11;P1.13  S15;P1.72 |
| S11;P1.14 | *SENSE | *1FG1SENSE | S11;P1.14  S7;P1.33 |
| S11;P1.15 | EA5 | 1FG1EADR5 | S11;P1.15  S7;P1.74 |
| S11;P1.16 | EA4 | 1FG1EADR4 | S11;P1.16  S7;P1.73 |
| S11;P1.17 | FD7 | 1FD7 | S11;P1.17  S12;P1.17  S13;P1.17  S14;P1.15  S16;P1.62  S17;P1.39#  S18;P1.39# |
| S11;P1.18 | EA3 | 1FG1EADR3 | S11;P1.18  S7;P1.76 |
| S11;P1.19 | FD5 | 1FD5 | S11;P1.19  S12;P1.19  S13;P1.19  S14;P1.74#  S17;P1.34#  S18;P1.34#  S20;P1.22  S21;P1.22  S22;P1.22  S23;P1.22 |
| S11;P1.20 | FD6 | 1FD6 | S11;P1.20  S12;P1.20  S13;P1.20  S15;P1.65  S17;P1.40#  S18;P1.40# |
| S11;P1.22 | FD4 | 1FD4 | S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S17;P1.30#  S18;P1.30#  S20;P1.10  S21;P1.10  S22;P1.10  S23;P1.10 |
| S11;P1.23 | FD2 | 1FD2 | S11;P1.23  S12;P1.23  S13;P1.23  S14;P1.18  S16;P1.67  S18;P1.33# |
| S11;P1.24 | FD3 | 1FD3 | S11;P1.24  S12;P1.24  S13;P1.24  S14;P1.76#  S17;P1.28#  S18;P1.28#  S20;P1.59  S21;P1.59  S22;P1.59  S23;P1.59 |
| S11;P1.25 | FD1 | 1FD1 | S11;P1.25  S12;P1.25  S13;P1.25  S14;P1.72#  S17;P1.20#  S18;P1.20#  S20;P1.20  S21;P1.20  S22;P1.20 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S11;P1.26 | FD0 | 1FD0 | S10;P1.26  S11;P1.26  S12;P1.26  S13;P1.26  S14;P1.79#  S17;P1.32#  S18;P1.32#  S11;P1.32# |
| S11;P1.27 | *A9 | *1EG1A9 | S7;P1.53 |
| S11;P1.28 | *A8 | *1EG1A8 | S7;P1.50 |
| S11;P1.29 | *A15 | *1EG1A15 | S7;P1.15  S7;P1.63 |
| S11;P1.30 | *A16 | *1EG1A16 | S7;P1.12 |
| S11;P1.32 | *A12 | *1EG1A12 | S7;P1.60 |
| S11;P1.33 | *A10 | *1EG1A10 | S7;P1.56 |
| S11;P1.34 | *A11 | *1EG1A11 | S7;P1.54 |
| S11;P1.35 | *A17 | *1EG1A17 | S7;P1.16 |
| S11;P1.36 | *A19 | *1EG1A19 | S7;P1.17 |
| S11;P1.37 | *A14 | *1EG1A14 | S7;P1.66 |
| S11;P1.38 | *A18 | *1EG1A18 | S7;P1.14 |
| S11;P1.39 | *STENDF1 | *1FGSTENDF1 | S10;P1.39  S11;P1.39  S12;P1.39  S13;P1.39  S14;P1.32 |
| S11;P1.40 | *STENDF2 | *1FGSTENDF2 | S10;P1.40  S11;P1.40  S12;P1.40  S13;P1.40  S14;P1.33 |
| S11;P1.42 | *STEND1 | *1FGSTEND1 | S10;P1.42  S11;P1.42  S12;P1.42  S13;P1.42  S14;P1.36 |
| S11;P1.43 | *STEND0 | *1FGSTEND0 | S10;P1.43  S11;P1.43  S12;P1.43  S13;P1.43  S14;P1.37 |
| S11;P1.44 | *STEND3 | *1FGSTEND3 | S10;P1.44  S11;P1.44  S12;P1.44  S13;P1.44  S14;P1.29 |
| S11;P1.45 | *STEND2 | *1FGSTEND2 | S10;P1.45  S11;P1.45  S12;P1.45  S13;P1.45  S14;P1.30 |
| S11;P1.46 | *STEND7 | *1FGSTEND7 | S10;P1.46  S11;P1.46  S12;P1.46  S13;P1.46  S14;P1.23 |
| S11;P1.47 | *STEND8 | *1FGSTEND8 | S10;P1.47  S11;P1.47  S12;P1.47  S13;P1.47  S14;P1.27 |
| S11;P1.48 | *STEND9 | *1FGSTEND9 | S10;P1.48  S11;P1.48  S12;P1.48  S13;P1.48  S14;P1.26 |
| S11;P1.49 | *STEND4 | *1FGSTEND4 | S10;P1.49  S11;P1.49  S12;P1.49  S13;P1.49  S14;P1.35 |
| S11;P1.50 | *STEND5 | *1FGSTEND5 | S10;P1.50  S11;P1.50  S12;P1.50  S13;P1.50  S14;P1.34 |
| S11;P1.52 | FD9 | 1FD9 | S10;P1.52  S11;P1.52  S12;P1.52  S13;P1.52  S14;P1.7  S16;P1.65  S17;P1.42#  S18;P1.42# |
| S11;P1.53 | FD8 | 1FD8 | S10;P1.53  S11;P1.53  S12;P1.53  S13;P1.53  S14;P1.17  S16;P1.66  S17;P1.38#  S18;P1.38# |
| S11;P1.54 | FD10 | 1FD10 | S10;P1.54  S11;P1.54  S12;P1.54  S13;P1.54  S14;P1.12  S16;P1.64  S17;P1.43#  S18;P1.43# |
| S11;P1.55 | FD11 | 1FD11 | S10;P1.55  S11;P1.55  S12;P1.55  S13;P1.55  S14;P1.14  S16;P1.63  S17;P1.44#  S18;P1.44# |
| S11;P1.56 | FD14 | 1FD14 | S10;P1.56  S11;P1.56  S12;P1.56  S13;P1.56  S14;P1.66#  S20;P1.62  S21;P1.62  S22;P1.62 |
| S11;P1.57 | FD15 | 1FD15 | S10;P1.57  S11;P1.57  S12;P1.57  S13;P1.57  S14;P1.68#  S20;P1.73  S21;P1.73  S22;P1.73 |
| S11;P1.58 | FD13 | 1FD13 | S10;P1.58  S11;P1.58  S12;P1.58  S11;P1.9  S12;P1.58  S12;P1.9  S13;P1.9  S13;P1.9 |
| S11;P1.59 | FD12 | 1FD12 | S10;P1.59  S11;P1.59  S12;P1.59  S13;P1.59  S14;P1.67#  S20;P1.74  S22;P1.74  S22;P1.74 |
| S11;P1.60 | *INCADR | *1EFINCFGADR | S10;P1.60  S11;P1.60  S12;P1.60  S13;P1.60  S15;P1.63  S13;P1.62  S14;P1.77# |
| S11;P1.62 | FD17 | 1FD17 | S10;P1.62  S11;P1.62  S12;P1.62  S13;P1.62  S20;P1.9  S21;P1.9  S22;P1.9  S23;P1.9 |
| S11;P1.63 | EA2 | 1FG1EADR2 | S11;P1.63  S7;P1.8 |
| S11;P1.64 | WRTEC | 1EFWRTEC1 | S11;P1.64  S15;P1.25 |
| S11;P1.65 | *ENABFD | *1EFDEVB | S10;P1.65  S11;P1.65  S12;P1.65  S13;P1.65  S15;P1.29  S6;P1.35  S7;P1.35  S8;P1.35  S9;P1.35 |
| S11;P1.66 | GROUND | *1FG1ITSME | S11;P1.66  S15;P1.77 |
| S11;P1.67 | *A13 | *1EG1A13 | S11;P1.67  S7;P1.65 |
| S11;P1.68 | *STEND6 | *1FGSTEND6 | S10;P1.68  S11;P1.68  S12;P1.68  S13;P1.68  S14;P1.24 |

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SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S11;P1.69 | FD16 | 1FD16 | S10;P1.69  S11;P1.69  S12;P1.69  S13;P1.69  S14;P1.78#  S15;P1.30 |
| S11;P1.72 | *DEVICE | *1EFDEVB | S10;P1.72  S11;P1.72  S12;P1.72  S13;P1.72  S14;P1.13  S16;P1.79  S20;P1.55  S21;P1.55  S22;P1.55  S23;P1.55 |
| S11;P1.73 | *RESET | *CMGRE1 | S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64  S16;P1.80  S17;P1.78  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5  S60;P1.5  S74;P1.73  S75;P1.73  S76;P1.73  S77;P1.73  S78;P1.10  S79;P1.64  S80;P1.80  S81;P1.78  S82;P1.78  S83;P1.46 |
| S11;P1.74 | FGOKEY | 1EFFGOKEY1 | S11;P1.74 |
| S11;P1.75 | FD18 | 1FD18 | S10;P1.75  S11;P1.75  S12;P1.75  S13;P1.75  S14;P1.75#  S20;P1.8  S21;P1.8  S22;P1.8  S23;P1.8 |
| S11;P1.76 | SERIN | *1EG1START | S11;P1.76 |
| S11;P1.77 | *CLRADR | *1EFCLRFGADR | S10;P1.77  S11;P1.77  S12;P1.77  S13;P1.77  S15;P1.35 |
| S11;P1.78 | FD19 | 1FD19 | S11;P1.78  S12;P1.78  S13;P1.78  S14;P1.69#  S20;P1.76  S21;P1.76  S22;P1.76  S23;P1.76 |
| S11;P1.79 | *CLOCK | *CMCLK4 | S11;P1.79  S11;P1.22  S15;P1.34  S16;P1.72  S20;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79  S71;P1.79  S74;P1.79  S75;P1.3  S75;P1.79  S78;P1.22  S79;P1.34  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S11;P1.80 | GROUND | 1TW*CMCLK4 | S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.80  S47;P1.11  S5;P1.61  S6;P1.80  S69;P1.61  S70;P1.80  S71;P1.80  S74;P1.80  S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80 |
| S12;P1.2 | +5VDC | +5V12 | S12;P1.2  S12;P1.4 |
| S12;P1.4 | PLUS | +5V12 | S12;P1.2  S12;P1.4 |
| S12;P1.5 | | *1EG2A31 | S8;P1.34  S12;P1.5 |
| S12;P1.6 | START | 1EG2START | S8;P1.19  S12;P1.6 |
| S12;P1.7 | ONES | 1EG2ONES | S8;P1.20  S12;P1.7 |
| S12;P1.8 | NFFEGTS | 1FGNFFEGTS | S11;P1.8  S12;P1.8  S13;P1.8  S14;P1.80 |
| S12;P1.9 | FRONTFACE | 1FD13 | S10;P1.9  S10;P1.58  S11;P1.9  S11;P1.58  S12;P1.9  S12;P1.58  S13;P1.9  S13;P1.58  S14;P1.58 |
| S12;P1.10 | EA1 | 1FG2EADR1 | S8;P1.7  S12;P1.10 |
| S12;P1.12 | EA0 | 1FG2EADR0 | S8;P1.10  S12;P1.12 |
| S12;P1.13 | SENSE | 1FG2SENSE | S8;P1.36  S9;P1.45  S12;P1.13 |
| S12;P1.14 | *SENSE | *1FG2SENSE | S8;P1.33  S12;P1.14 |
| S12;P1.15 | EA5 | 1FG2EADR5 | S8;P1.74  S12;P1.15 |
| S12;P1.16 | EA4 | 1FG2EADR4 | S8;P1.73  S12;P1.16 |
| S12;P1.17 | FD7 | 1FD7 | S10;P1.17  S11;P1.17  S12;P1.17  S13;P1.17  S14;P1.15  S16;P1.62  S8;P1.76  S11;P1.39#  S17;P1.39#  S18;P1.39# |
| S12;P1.18 | EA3 | 1FG2EADR3 | S8;P1.76  S11;P1.18  S12;P1.18  S13;P1.18 |
| S12;P1.19 | FD5 | 1FD5 | S10;P1.19  S11;P1.19  S12;P1.19  S13;P1.19  S14;P1.74#  S17;P1.34#  S20;P1.22  S21;P1.22  S22;P1.22  S23;P1.22 |
| S12;P1.20 | FD6 | 1FD6 | S10;P1.20  S11;P1.20  S12;P1.20  S13;P1.20  S15;P1.65  S17;P1.40# |
| S12;P1.22 | FD4 | 1FD4 | S10;P1.22  S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S17;P1.30#  S20;P1.10  S21;P1.10  S22;P1.10  S23;P1.10 |
| S12;P1.23 | FD2 | 1FD2 | S10;P1.23  S11;P1.23  S12;P1.23  S13;P1.23  S14;P1.18  S16;P1.67  S18;P1.33# |
| S12;P1.24 | FD3 | 1FD3 | S10;P1.24  S11;P1.24  S12;P1.24  S13;P1.24  S14;P1.76#  S17;P1.28#  S18;P1.28#  S20;P1.59  S21;P1.59  S22;P1.59  S23;P1.59 |

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200116100A0
SP1T DP
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FIELD RPT BY PIN#          10-FEB-89    09:24:37    PAGE    21

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S12;P1.25 | FD1 | 1FD1 | S10;P1.25  S18;P1.20#  S11;P1.25  S12;P1.25  S13;P1.25  S14;P1.72#  S17;P1.20# |
| S12;P1.26 | FD0 | 1FD0 | S10;P1.26  S18;P1.32#  S11;P1.26  S12;P1.26  S13;P1.26  S14;P1.79#  S17;P1.32# |
| S12;P1.27 | *A9 | *1EG2A9 | S12;P1.27  S8;P1.53 |
| S12;P1.28 | *A8 | *1EG2A8 | S12;P1.28  S8;P1.50 |
| S12;P1.29 | *A15 | *1EG2A15 | S12;P1.29  S8;P1.15 |
| S12;P1.30 | *A16 | *1EG2A16 | S12;P1.30  S8;P1.12  S8;P1.63 |
| S12;P1.32 | *A12 | *1EG2A12 | S12;P1.32  S8;P1.60 |
| S12;P1.33 | *A10 | *1EG2A10 | S12;P1.33  S8;P1.56 |
| S12;P1.34 | *A11 | *1EG2A11 | S12;P1.34  S8;P1.54 |
| S12;P1.35 | *A17 | *1EG2A17 | S12;P1.35  S8;P1.16 |
| S12;P1.36 | *A19 | *1EG2A19 | S12;P1.36  S8;P1.17 |
| S12;P1.37 | *A14 | *1EG2A14 | S12;P1.37  S8;P1.66 |
| S12;P1.38 | *A18 | *1EG2A18 | S12;P1.38  S8;P1.14 |
| S12;P1.39 | *STENDF1 | *1FGSTENDF1 | S10;P1.39  S11;P1.39  S12;P1.39  S13;P1.39  S14;P1.32 |
| S12;P1.40 | *STENDF2 | *1FGSTENDF2 | S10;P1.40  S11;P1.40  S12;P1.40  S13;P1.40  S14;P1.33 |
| S12;P1.42 | *STEND1 | *1FGSTEND1 | S10;P1.42  S11;P1.42  S12;P1.42  S13;P1.42  S14;P1.36 |
| S12;P1.43 | *STEND0 | *1FGSTEND0 | S10;P1.43  S11;P1.43  S12;P1.43  S13;P1.43  S14;P1.37 |
| S12;P1.44 | *STEND3 | *1FGSTEND3 | S10;P1.44  S11;P1.44  S12;P1.44  S13;P1.44  S14;P1.29 |
| S12;P1.45 | *STEND2 | *1FGSTEND2 | S10;P1.45  S11;P1.45  S12;P1.45  S13;P1.45  S14;P1.30 |
| S12;P1.46 | *STEND7 | *1FGSTEND7 | S10;P1.46  S11;P1.46  S12;P1.46  S13;P1.46  S14;P1.23 |
| S12;P1.47 | *STEND8 | *1FGSTEND8 | S10;P1.47  S11;P1.47  S12;P1.47  S13;P1.47  S14;P1.27 |
| S12;P1.48 | *STEND9 | *1FGSTEND9 | S10;P1.48  S11;P1.48  S12;P1.48  S13;P1.48  S14;P1.26 |
| S12;P1.49 | *STEND4 | *1FGSTEND4 | S10;P1.49  S11;P1.49  S12;P1.49  S13;P1.49  S14;P1.35 |
| S12;P1.50 | *STEND5 | *1FGSTEND5 | S10;P1.50  S11;P1.50  S12;P1.50  S13;P1.50  S14;P1.34 |
| S12;P1.52 | FD9 | 1FD9 | S10;P1.52  S17;P1.42#  S11;P1.52  S12;P1.52  S13;P1.52  S14;P1.7  S16;P1.65 |
| S12;P1.53 | FD8 | 1FD8 | S10;P1.53  S17;P1.38#  S11;P1.53  S12;P1.53  S13;P1.53  S14;P1.17  S16;P1.66 |
| S12;P1.54 | FD10 | 1FD10 | S10;P1.54  S17;P1.43#  S11;P1.54  S12;P1.54  S13;P1.54  S14;P1.12  S16;P1.64 |
| S12;P1.55 | FD11 | 1FD11 | S10;P1.55  S17;P1.44#  S11;P1.55  S12;P1.55  S13;P1.55  S14;P1.14  S16;P1.63 |
| S12;P1.56 | FD14 | 1FD14 | S10;P1.56  S21;P1.62  S11;P1.56  S22;P1.62  S12;P1.56  S23;P1.62  S13;P1.56  S14;P1.66#  S20;P1.62 |
| S12;P1.57 | FD15 | 1FD15 | S10;P1.57  S21;P1.73  S11;P1.57  S22;P1.73  S12;P1.57  S23;P1.73  S13;P1.57  S14;P1.68#  S20;P1.73 |
| S12;P1.58 | FD13 | 1FD13 | S10;P1.58  S13;P1.58  S11;P1.58  S10;P1.9  S12;P1.58  S13;P1.9  S11;P1.9  S12;P1.9 |
| S12;P1.59 | FD12 | 1FD12 | S10;P1.59  S21;P1.74  S11;P1.59  S22;P1.74  S12;P1.59  S23;P1.74  S13;P1.59  S14;P1.67#  S20;P1.74 |
| S12;P1.60 | *INCADR | *1EFINCFGADR | S10;P1.60  S11;P1.60  S12;P1.60  S13;P1.60  S14;P1.63  S20;P1.9 |
| S12;P1.62 | FD17 | 1FD17 | S10;P1.62  S21;P1.9  S11;P1.62  S22;P1.9  S12;P1.62  S23;P1.9  S13;P1.62  S14;P1.77# |
| S12;P1.63 | EA2 | 1FG2EADR2 | S12;P1.63  S8;P1.8 |
| S12;P1.64 | WRTEC | 1EFWRTEC2 | S12;P1.64  S15;P1.26  S15;P1.29 |
| S12;P1.65 | *ENABFD | 1EFDEVB | S10;P1.65  S11;P1.65  S12;P1.65  S13;P1.65 |
| S12;P1.66 | GROUND | ZZZGGG | S7;P1.35  S15;P1.78  S8;P1.35  S9;P1.35  S12;P1.66  S6;P1.35 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S12;P1.67 | *A13 | *1EG2A13 | S12;P1.67  S8;P1.65 |
| S12;P1.68 | *STEND6 | *1FGSTEND6 | S10;P1.68  S11;P1.68  S13;P1.68  S14;P1.24 |
| S12;P1.69 | FD16 | 1FD16 | S10;P1.69  S11;P1.69  S13;P1.69  S14;P1.78# |
| S12;P1.72 | *DEVICE | *1EFDEVB | S10;P1.72  S11;P1.72  S13;P1.72  S14;P1.13  S15;P1.30 |
| S12;P1.73 | *RESET | *CMGRE1 | S16;P1.79  S20;P1.55  S22;P1.55  S23;P1.55  S10;P1.73  S11;P1.73  S13;P1.73  S14;P1.10  S15;P1.64  S16;P1.80  S17;P1.78  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5  S60;P1.5  S74;P1.73  S75;P1.73  S76;P1.73  S77;P1.73  S78;P1.10  S79;P1.64  S80;P1.80  S81;P1.78  S82;P1.78  S83;P1.46 |
| S12;P1.74 | FGOKEY | 1EFFGOKEY2 | S12;P1.74  S15;P1.60  S15;P1.75  S20;P1.8 |
| S12;P1.75 | FD18 | 1FD18 | S10;P1.75  S11;P1.75  S13;P1.75  S14;P1.75#  S21;P1.8  S22;P1.8  S23;P1.8 |
| S12;P1.76 | SERIN | *1EG2START | S12;P1.76  S8;P1.23 |
| S12;P1.77 | *CLRADR | *1EFCLRFGADR | S10;P1.77  S11;P1.77  S12;P1.77  S13;P1.77  S15;P1.35 |
| S12;P1.78 | FD19 | 1FD19 | S10;P1.78  S11;P1.78  S12;P1.78  S13;P1.78  S14;P1.69#  S21;P1.76  S22;P1.76  S23;P1.76  S20;P1.76 |
| S12;P1.79 | *CLOCK | *CMCLK5 | S12;P1.79  S13;P1.79  S72;P1.79  S73;P1.79  S76;P1.3  S76;P1.79  S77;P1.79  S8;P1.79  S9;P1.79  S46;P1.22 |
| S12;P1.80 | GROUND | 1TW*CMCLK5 | S12;P1.80  S1;P1.1  S2;P1.1  S3;P1.1  S46;P1.31  S4;P1.1  S5;P1.1  S65;P1.1  S66;P1.1  S67;P1.1  S68;P1.1  S69;P1.1  S72;P1.80  S73;P1.80  S76;P1.1  S76;P1.1  S77;P1.80  S8;P1.80  S9;P1.80 |
| S13;P1.2 | +5VDC | +5V13 | S13;P1.2  S13;P1.4 |
| S13;P1.4 |  | +5V13 | S13;P1.2  S13;P1.4 |
| S13;P1.5 | PLUS | *1EG3A31 | S13;P1.5  S9;P1.34 |
| S13;P1.6 | START | 1EG3START | S13;P1.6  S9;P1.19 |
| S13;P1.7 | ONES | 1EG3ONES | S13;P1.7  S9;P1.20 |
| S13;P1.8 | NFFEGTS | 1FGNFFEGTS | S10;P1.8  S11;P1.8  S12;P1.8  S13;P1.8 |
| S13;P1.9 | FRONTFACE | 1FD13 | S10;P1.58  S11;P1.58  S12;P1.58  S13;P1.58  S13;P1.9  S11;P1.9  S12;P1.9 |
| S13;P1.10 | EA1 | 1FG3EADR1 | S13;P1.10  S9;P1.7 |
| S13;P1.12 | EA0 | 1FG3EADR0 | S13;P1.12  S9;P1.10 |
| S13;P1.13 | SENSE | 1FG3SENSE | S13;P1.13  S15;P1.75  S9;P1.36 |
| S13;P1.14 | *SENSE | *1FG3SENSE | S13;P1.14  S9;P1.33 |
| S13;P1.15 | EA5 | 1FG3EADR5 | S13;P1.15  S9;P1.74 |
| S13;P1.16 | EA4 | 1FG3EADR4 | S13;P1.16  S9;P1.73 |
| S13;P1.17 | FD7 | 1FD7 | S10;P1.17  S11;P1.17  S12;P1.17  S13;P1.17  S14;P1.15  S16;P1.62  S17;P1.39#  S18;P1.39# |
| S13;P1.18 | EA3 | 1FG3EADR3 | S13;P1.18  S9;P1.76 |
| S13;P1.19 | FD5 | 1FD5 | S10;P1.19  S11;P1.19  S12;P1.19  S13;P1.19  S14;P1.74#  S17;P1.34#  S20;P1.22  S21;P1.22  S22;P1.22  S23;P1.22 |
| S13;P1.20 | FD6 | 1FD6 | S18;P1.34#  S10;P1.20  S12;P1.20  S13;P1.20  S15;P1.65  S17;P1.40# |
| S13;P1.22 | FD4 | 1FD4 | S10;P1.22  S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S17;P1.30#  S18;P1.40#  S20;P1.30#  S21;P1.10  S22;P1.10  S23;P1.10 |
| S13;P1.23 | FD2 | 1FD2 | S10;P1.23  S11;P1.23  S12;P1.23  S13;P1.23  S14;P1.18  S16;P1.67  S17;P1.33#  S18;P1.33# |
| S13;P1.24 | FD3 | 1FD3 | S10;P1.24  S11;P1.24  S12;P1.24  S13;P1.24  S14;P1.76#  S17;P1.28#  S18;P1.28#  S20;P1.59  S21;P1.59  S22;P1.59  S23;P1.59 |
| S13;P1.25 | FD1 | 1FD1 | S10;P1.25  S11;P1.25  S12;P1.25  S13;P1.25  S14;P1.72#  S17;P1.20# |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S13;P1.26 | FD0 | 1FD0 | S18;P1.20#  S18;P1.26  S12;P1.26  S13;P1.26  S14;P1.79#  S17;P1.32#  S10;P1.26  S18;P1.32# |
| S13;P1.27 | *A9 | *1EG3A9 | S9;P1.53 |
| S13;P1.28 | *A8 | *1EG3A8 | S9;P1.50 |
| S13;P1.29 | *A15 | *1EG3A15 | S9;P1.15  S9;P1.63 |
| S13;P1.30 | *A16 | *1EG3A16 | S9;P1.12 |
| S13;P1.32 | *A12 | *1EG3A12 | S9;P1.60 |
| S13;P1.33 | *A10 | *1EG3A10 | S9;P1.56 |
| S13;P1.34 | *A11 | *1EG3A11 | S9;P1.54 |
| S13;P1.35 | *A17 | *1EG3A17 | S9;P1.16 |
| S13;P1.36 | *A19 | *1EG3A19 | S9;P1.17 |
| S13;P1.37 | *A14 | *1EG3A14 | S9;P1.66 |
| S13;P1.38 | *A18 | *1EG3A18 | S9;P1.14 |
| S13;P1.39 | *STENDF1 | *1FGSTENDF1 | S10;P1.39  S11;P1.39  S12;P1.39  S13;P1.39  S14;P1.32 |
| S13;P1.40 | *STENDF2 | *1FGSTENDF2 | S10;P1.40  S11;P1.40  S12;P1.40  S13;P1.40  S14;P1.33 |
| S13;P1.42 | *STEND1 | *1FGSTEND1 | S10;P1.42  S11;P1.42  S12;P1.42  S13;P1.42  S14;P1.36 |
| S13;P1.43 | *STEND0 | *1FGSTEND0 | S10;P1.43  S11;P1.43  S12;P1.43  S13;P1.43  S14;P1.37 |
| S13;P1.44 | *STEND3 | *1FGSTEND3 | S10;P1.44  S11;P1.44  S12;P1.44  S13;P1.44  S14;P1.29 |
| S13;P1.45 | *STEND2 | *1FGSTEND2 | S10;P1.45  S11;P1.45  S12;P1.45  S13;P1.45  S14;P1.30 |
| S13;P1.46 | *STEND7 | *1FGSTEND7 | S10;P1.46  S11;P1.46  S12;P1.46  S13;P1.46  S14;P1.23 |
| S13;P1.47 | *STEND8 | *1FGSTEND8 | S10;P1.47  S11;P1.47  S12;P1.47  S13;P1.47  S14;P1.27 |
| S13;P1.48 | *STEND9 | *1FGSTEND9 | S10;P1.48  S11;P1.48  S12;P1.48  S13;P1.48  S14;P1.26 |
| S13;P1.49 | *STEND4 | *1FGSTEND4 | S10;P1.49  S11;P1.49  S12;P1.49  S13;P1.49  S14;P1.35 |
| S13;P1.50 | *STEND5 | *1FGSTEND5 | S10;P1.50  S11;P1.50  S12;P1.50  S13;P1.50  S14;P1.34 |
| S13;P1.52 | FD9 | 1FD9 | S17;P1.42#  S18;P1.42#  S10;P1.52  S11;P1.52  S12;P1.52  S13;P1.52  S14;P1.7 |
| S13;P1.53 | FD8 | 1FD8 | S10;P1.53  S11;P1.53  S12;P1.53  S13;P1.53  S14;P1.17  S16;P1.65 |
| S13;P1.54 | FD10 | 1FD10 | S17;P1.38#  S18;P1.38#  S10;P1.54  S11;P1.54  S12;P1.54  S13;P1.54  S14;P1.12  S16;P1.66 |
| S13;P1.55 | FD11 | 1FD11 | S17;P1.43#  S18;P1.43#  S10;P1.55  S11;P1.55  S12;P1.55  S13;P1.55  S14;P1.14  S16;P1.64 |
| S13;P1.56 | FD14 | 1FD14 | S17;P1.44#  S18;P1.44#  S10;P1.56  S11;P1.56  S12;P1.56  S13;P1.56  S14;P1.66#  S16;P1.63 |
| S13;P1.57 | FD15 | 1FD15 | S21;P1.62  S22;P1.62  S23;P1.62  S10;P1.57  S11;P1.57  S12;P1.57  S13;P1.57  S14;P1.68#  S20;P1.62 |
| S13;P1.58 | FD13 | 1FD13 | S21;P1.73  S22;P1.73  S23;P1.73  S10;P1.58  S11;P1.58  S12;P1.58  S11;P1.9  S20;P1.58  S20;P1.73  S12;P1.9 |
| S13;P1.59 | FD12 | 1FD12 | S21;P1.74  S22;P1.74  S23;P1.74  S10;P1.59  S11;P1.59  S12;P1.59  S13;P1.59  S13;P1.9  S14;P1.67#  S20;P1.74 |
| S13;P1.60 | *INCADR | *1EFINCFGADR | S10;P1.60  S11;P1.60  S12;P1.60  S13;P1.60  S15;P1.63 |
| S13;P1.62 | FD17 | 1FD17 | S21;P1.9  S22;P1.9  S23;P1.9  S10;P1.62  S11;P1.62  S12;P1.62  S13;P1.62  S14;P1.77#  S20;P1.9 |
| S13;P1.63 | EA2 | 1FG3EADR2 | S9;P1.8 |
| S13;P1.64 | WRTEC | 1EFWRTEC3 | S15;P1.27  S15;P1.29 |
| S13;P1.65 | *ENABFD | 1EFDEVB | S7;P1.35  S8;P1.35  S9;P1.35  S10;P1.65  S11;P1.65  S12;P1.65  S13;P1.65  S6;P1.35 |
| S13;P1.66 | GROUND | ZZZGAG | S15;P1.79 |
| S13;P1.67 | *A13 | *1EG3A13 | S9;P1.65 |

STRING PINS BY SLOT;CON.PIN NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S13;P1.68 | *STEND6 | *1FGSTEND6 | S10;P1.68 S11;P1.68 S12;P1.68 S13;P1.68 S14;P1.24 |
| S13;P1.69 | FD16 | 1FD16 | S10;P1.69 S11;P1.69 S12;P1.69 S13;P1.69 S14;P1.78# |
| S13;P1.72 | *DEVICE | *1EFDEVB | S10;P1.72 S11;P1.72 S12;P1.72 S13;P1.72 S14;P1.13 S15;P1.30 S16;P1.79 S20;P1.55 S21;P1.55 S22;P1.55 S23;P1.55 |
| S13;P1.73 | *RESET | *CMGRE1 | S10;P1.73 S11;P1.73 S12;P1.73 S13;P1.73 S14;P1.10 S15;P1.64 S16;P1.80 S17;P1.78 S18;P1.78 S19;P1.46 S46;P1.15 S50;P1.5 S60;P1.5 S74;P1.73 S75;P1.73 S76;P1.73 S77;P1.73 S78;P1.10 S79;P1.64 S80;P1.80 S81;P1.78 S82;P1.78 S83;P1.46 |
| S13;P1.74 | FGOKEY | 1EFFGOKEY3 | S13;P1.74 S15;P1.62 |
| S13;P1.75 | FD18 | 1FD18 | S10;P1.75 S11;P1.75 S12;P1.75 S13;P1.75 S14;P1.75# S20;P1.8 S21;P1.8 S22;P1.8 S23;P1.8 |
| S13;P1.76 | SERIN | *1EG3START | S9;P1.23 S13;P1.76 |
| S13;P1.77 | *CLRADR | *1EFCLRFGADR | S10;P1.77 S11;P1.77 S12;P1.77 S13;P1.77 S14;P1.69# S20;P1.76 S21;P1.76 S22;P1.76 S23;P1.76 S46;P1.22 |
| S13;P1.78 | FD19 | 1FD19 | S10;P1.78 S11;P1.78 S12;P1.78 S13;P1.78 S73;P1.79 S76;P1.3 |
| S13;P1.79 | *CLOCK | *CMCLK5 | S8;P1.79 S9;P1.79 S12;P1.79 S13;P1.79 S72;P1.79 S73;P1.79 S76;P1.79 S77;P1.79 |
| S13;P1.80 | GROUND | 1TW*CMCLK5 | S1;P1.1 S2;P1.1 S3;P1.1 S4;P1.1 S5;P1.1 S12;P1.80 S13;P1.80 S46;P1.31 S65;P1.1 S66;P1.1 S67;P1.1 S68;P1.1 S69;P1.1 S72;P1.80 S73;P1.80 S76;P1.1 S77;P1.80 S8;P1.80 S9;P1.80 |
| S14;P1.2 | +5VDC | +5V14 | S14;P1.2 S14;P1.4 |
| S14;P1.3 | WRTDP | 1EFCNTWRT | S14;P1.3 S14;P1.8 S16;P1.48 |
| S14;P1.4 | +5V14 | +5V14 | S14;P1.2 S14;P1.4 |
| S14;P1.5 | *LDBKTADR | *1SLLDBKTADR | S14;P1.5 S16;P1.49 S16;P1.56 |
| S14;P1.6 | WRTBKT | 1SLWRTBKT | S14;P1.6 S16;P1.50 S16;P1.56 |
| S14;P1.7 | PRI2 | 1FD9 | S10;P1.52 S11;P1.52 S12;P1.52 S13;P1.52 S14;P1.7 S16;P1.65 S17;P1.42# S18;P1.42# |
| S14;P1.8 | CNTDPADR | 1EFCNTWRT | S14;P1.3 S14;P1.8 S16;P1.48 |
| S14;P1.9 | *LDPSOUT | *1SLLDPSOUT | S14;P1.9 S16;P1.55 |
| S14;P1.10 | *RESET | *CMGRE1 | S10;P1.73 S11;P1.73 S12;P1.73 S13;P1.73 S14;P1.10 S15;P1.64 S16;P1.80 S17;P1.73 S18;P1.73 S19;P1.46 S46;P1.15 S50;P1.5 S60;P1.5 S74;P1.73 S75;P1.73 S76;P1.73 S77;P1.73 S78;P1.10 S79;P1.64 S80;P1.80 S81;P1.78 S82;P1.78 S83;P1.46 |
| S14;P1.12 | PRI3 | 1FD10 | S10;P1.54 S11;P1.54 S12;P1.54 S13;P1.54 S14;P1.12 S16;P1.64 S17;P1.43# S18;P1.43# |
| S14;P1.13 | *DEVICE | *1EFDEVB | S10;P1.72 S11;P1.72 S12;P1.72 S13;P1.72 S14;P1.13 S15;P1.30 S16;P1.79 S20;P1.55 S21;P1.55 S22;P1.55 S23;P1.55 |
| S14;P1.14 | PRI4 | 1FD11 | S10;P1.55 S11;P1.55 S12;P1.55 S13;P1.55 S14;P1.14 S16;P1.63 S17;P1.44# S18;P1.44# |
| S14;P1.15 | PRI5 | 1FD7 | S10;P1.17 S11;P1.17 S12;P1.17 S13;P1.17 S14;P1.15 S16;P1.62 S18;P1.39# |
| S14;P1.16 | CNTBKTADR | 1SLINCBKTADR | S14;P1.16 S16;P1.52 |
| S14;P1.17 | PRI1 | 1FD8 | S10;P1.53 S11;P1.53 S12;P1.53 S13;P1.53 S14;P1.17 S16;P1.66 S17;P1.38# S18;P1.38# |
| S14;P1.18 | PRI0 | 1FD2 | S10;P1.23 S11;P1.23 S12;P1.23 S13;P1.23 S14;P1.18 S16;P1.67 S17;P1.33# S18;P1.33# |
| S14;P1.19 | BKTADROFL | 1PSBKTADROFL | S16;P1.54 S17;P1.33# S18;P1.33# |
| S14;P1.20 | INSORTMODE | 1SLINSORTMODE | S14;P1.20 S16;P1.19# |
| S14;P1.21 | GROUND | 1TW*CMCLK4 | S10;P1.80 S14;P1.21 S15;P1.31 S16;P1.31 S20;P1.71 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S14;P1.22 | *CLOCK | *CMCLK4 | S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S47;P1.11  S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80  S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80  S10;P1.79  S11;P1.79  S14;P1.79  S15;P1.34  S16;P1.72  S20;P1.72  S10;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79  S71;P1.72  S74;P1.79  S75;P1.79  S78;P1.22  S79;P1.34  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S14;P1.23 | *STEND7 | *1FGSTEND7 | S10;P1.46  S11;P1.46  S12;P1.46  S13;P1.46  S14;P1.23 |
| S14;P1.24 | *STEND6 | *1FGSTEND6 | S10;P1.68  S11;P1.68  S12;P1.68  S13;P1.68  S14;P1.24 |
| S14;P1.25 | SERIN | 1LAOSEROUT | S14;P1.25  S23;P1.23 |
| S14;P1.26 | *STEND9 | *1FGSTEND9 | S10;P1.48  S11;P1.48  S12;P1.48  S13;P1.48  S14;P1.26 |
| S14;P1.27 | *STEND8 | *1FGSTEND8 | S10;P1.47  S11;P1.47  S12;P1.47  S13;P1.47  S14;P1.27 |
| S14;P1.28 | MAINTSEL | 1SLMAINTSEL | S14;P1.28  S16;P1.59 |
| S14;P1.29 | *STEND3 | *1FGSTEND3 | S10;P1.44  S11;P1.44  S12;P1.44  S13;P1.44  S14;P1.29 |
| S14;P1.30 | *STEND2 | *1FGSTEND2 | S10;P1.45  S11;P1.45  S12;P1.45  S13;P1.45  S14;P1.30 |
| S14;P1.32 | *STENDF1 | *1FGSTENDF1 | S10;P1.39  S11;P1.39  S12;P1.39  S13;P1.39  S14;P1.32 |
| S14;P1.33 | *STENDF2 | *1FGSTENDF2 | S10;P1.40  S11;P1.40  S12;P1.40  S13;P1.40  S14;P1.33 |
| S14;P1.34 | *STEND5 | *1FGSTEND5 | S10;P1.50  S11;P1.50  S12;P1.50  S13;P1.50  S14;P1.34 |
| S14;P1.35 | *STEND4 | *1FGSTEND4 | S10;P1.49  S11;P1.49  S12;P1.49  S13;P1.49  S14;P1.35 |
| S14;P1.36 | *STEND1 | *1FGSTEND1 | S10;P1.42  S11;P1.42  S12;P1.42  S13;P1.42  S14;P1.36 |
| S14;P1.37 | *STEND0 | *1FGSTEND0 | S10;P1.43  S11;P1.43  S12;P1.43  S13;P1.43  S14;P1.37 |
| S14;P1.38 | START3 | 1PSSTART3 | S14;P1.38#  S20;P1.42  S21;P1.42  S22;P1.42  S23;P1.42 |
| S14;P1.39 | END2 | 1PSEND2 | S14;P1.39#  S20;P1.13  S21;P1.13  S22;P1.13  S23;P1.13 |
| S14;P1.40 | END3 | 1PSEND3 | S14;P1.40#  S20;P1.16  S21;P1.16  S22;P1.16  S23;P1.16 |
| S14;P1.42 | START2 | 1PSSTART2 | S14;P1.42#  S20;P1.38  S21;P1.38  S22;P1.38  S23;P1.38 |
| S14;P1.43 | *LAST | 1PSLAST | S14;P1.43#  S16;P1.56 |
| S14;P1.44 | START4 | 1PSSTART4 | S14;P1.44#  S20;P1.44  S21;P1.43  S22;P1.43  S23;P1.43 |
| S14;P1.45 | SPANADR4 | 1PSSPANADR4 | S14;P1.45#  S16;P1.23 |
| S14;P1.46 | END4 | 1PSEND4 | S14;P1.46#  S20;P1.17  S21;P1.17  S22;P1.17  S23;P1.17 |
| S14;P1.47 | ENDF2 | 1PSENDF2 | S14;P1.47#  S6;P1.45 |
| S14;P1.48 | PTRSEL | 1SLPTRSEL | S14;P1.48  S16;P1.57 |
| S14;P1.49 | *USED | *1PSUSED | S14;P1.49#  S16;P1.47 |
| S14;P1.53 | END0 | 1PSEND0 | S14;P1.53#  S20;P1.15  S21;P1.15  S22;P1.15  S23;P1.15 |
| S14;P1.55 | SPANADR3 | 1PSSPANADR3 | S14;P1.55#  S16;P1.20 |
| S14;P1.56 | END1 | 1PSEND1 | S14;P1.56#  S20;P1.14  S21;P1.14  S22;P1.14  S23;P1.14 |
| S14;P1.57 | SPANADR2 | 1PSSPANADR2 | S14;P1.57#  S16;P1.18 |
| S14;P1.58 | SPANADR1 | 1PSSPANADR1 | S14;P1.58#  S16;P1.16 |
| S14;P1.59 | SPANADR0 | 1PSSPANADR0 | S14;P1.59#  S16;P1.14 |
| S14;P1.60 | STEQEND | 1PSSTEQEND | S14;P1.60#  S16;P1.58 |
| S14;P1.62 | *CLRDPADR | *1SLSTARTFI | S14;P1.62  S15;P1.54 |
| S14;P1.63 | START1 | 1PSSTART1 | S14;P1.63#  S20;P1.39  S21;P1.39  S22;P1.39  S23;P1.39 |
| S14;P1.64 | START0 | 1PSSTART0 | S14;P1.64#  S20;P1.40  S21;P1.40  S22;P1.40  S23;P1.40 |
| S14;P1.65 | CNTMSB | 1SLINCMSB | S16;P1.44  S20;P1.30  S21;P1.30  S22;P1.30  S23;P1.30 |
| S14;P1.66 | PAR11 | 1FD14 | S11;P1.56  S12;P1.56  S13;P1.56  S14;P1.66# |
| S14;P1.67 | PAR10 | 1FD12 | S10;P1.59  S11;P1.59  S12;P1.59  S13;P1.59  S14;P1.67#  S20;P1.62  S21;P1.62  S22;P1.62  S23;P1.62 |
| S14;P1.68 | PAR9 | 1FD15 | S10;P1.57  S11;P1.57  S12;P1.57  S13;P1.57  S14;P1.68#  S20;P1.73  S21;P1.73  S22;P1.73  S23;P1.73  S20;P1.74  S21;P1.74  S22;P1.74  S23;P1.74 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S14;P1.69 | PAR8 | 1FD19 | S10;P1.78  S11;P1.78  S12;P1.78  S13;P1.78  S14;P1.69#  S20;P1.76  S21;P1.76  S22;P1.76  S23;P1.76 |
| S14;P1.70 | *OUTEN | *1SLENPSDATA | S14;P1.70  S16;P1.53 |
| S14;P1.71 | GROUND | GND15B | S14;P1.71  S15;P1.67 |
| S14;P1.72 | PAR3 | 1FD1 | S10;P1.25  S11;P1.25  S12;P1.25  S13;P1.25  S14;P1.72#  S17;P1.20#  S18;P1.20# |
| S14;P1.73 | PAR1 | 1FD4 | S10;P1.22  S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S17;P1.30#  S18;P1.30#  S20;P1.10  S21;P1.10  S22;P1.10  S23;P1.10 |
| S14;P1.74 | PAR2 | 1FD5 | S10;P1.19  S11;P1.19  S12;P1.19  S13;P1.19  S14;P1.74#  S17;P1.34#  S18;P1.34#  S20;P1.22  S21;P1.22  S22;P1.22  S23;P1.22 |
| S14;P1.75 | PAR7 | 1FD18 | S10;P1.75  S11;P1.75  S12;P1.75  S13;P1.75  S14;P1.75#  S20;P1.8  S21;P1.8  S22;P1.8  S23;P1.8 |
| S14;P1.76 | PAR0 | 1FD3 | S10;P1.24  S11;P1.24  S12;P1.24  S13;P1.24  S14;P1.76#  S17;P1.28#  S18;P1.28#  S20;P1.59  S21;P1.59  S22;P1.59  S23;P1.59 |
| S14;P1.77 | PAR6 | 1FD17 | S10;P1.62  S11;P1.62  S12;P1.62  S13;P1.62  S14;P1.77#  S20;P1.9  S21;P1.9  S22;P1.9  S23;P1.9 |
| S14;P1.78 | PAR5 | 1FD16 | S10;P1.69  S11;P1.69  S12;P1.69  S13;P1.69  S14;P1.78# |
| S14;P1.79 | PAR4 | 1FD0 | S10;P1.26  S11;P1.26  S12;P1.26  S13;P1.26  S14;P1.79#  S17;P1.32#  S18;P1.32# |
| S14;P1.80 | NFFEGTS | 1FGNFFEGTS | S10;P1.8  S11;P1.8  S12;P1.8  S13;P1.8  S14;P1.80 |
| S15;P1.3 | WRTAU0 | *1EFWRTAU0 | S15;P1.3  S6;P1.3 |
| S15;P1.5 | WRTAL0 | *1EFWRTAL0 | S15;P1.5  S6;P1.68 |
| S15;P1.6 | WRTAU1 | *1EFWRTAU1 | S15;P1.6  S7;P1.3 |
| S15;P1.7 | WRTAL1 | *1EFWRTAL1 | S15;P1.7  S7;P1.68 |
| S15;P1.8 | WRTAU2 | *1EFWRTAU2 | S15;P1.8  S8;P1.3 |
| S15;P1.9 | WRTAL2 | *1EFWRTAL2 | S15;P1.9  S8;P1.68 |
| S15;P1.10 | WRTAU3 | *1EFWRTAU3 | S15;P1.10  S9;P1.3 |
| S15;P1.12 | WRTAL3 | *1EFWRTAL3 | S15;P1.12  S9;P1.68 |
| S15;P1.13 | WRTBU0 | *1EFWRTBU0 | S15;P1.13  S6;P1.70 |
| S15;P1.14 | WRTBL0 | *1EFWRTBL0 | S15;P1.14  S6;P1.72 |
| S15;P1.15 | WRTBU1 | *1EFWRTBU1 | S15;P1.15  S7;P1.70 |
| S15;P1.16 | WRTBL1 | *1EFWRTBL1 | S15;P1.16  S7;P1.72 |
| S15;P1.17 | WRTBU2 | *1EFWRTBU2 | S15;P1.17  S8;P1.70 |
| S15;P1.18 | WRTBL2 | *1EFWRTBL2 | S15;P1.18  S8;P1.72 |
| S15;P1.19 | WRTBU3 | *1EFWRTBU3 | S15;P1.19  S9;P1.70 |
| S15;P1.20 | WRTBL3 | *1EFWRTBL3 | S15;P1.20  S9;P1.72 |
| S15;P1.22 | DEVADR0 | 1DDYB4 | S15;P1.22  S18;P1.13#  S19;P1.6  S30;P1.68  S32;P1.68  S5;P1.43  S60;P1.33 |
| S15;P1.23 | DEVADR1 | 1DDYB3 | S15;P1.23  S18;P1.15#  S19;P1.5  S30;P1.69  S32;P1.69  S5;P1.80  S60;P1.32 |
| S15;P1.24 | WRTEC0 | 1EFWRTEC0 | S10;P1.64  S15;P1.24 |
| S15;P1.25 | WRTEC1 | 1EFWRTEC1 | S11;P1.64  S15;P1.25 |
| S15;P1.26 | WRTEC2 | 1EFWRTEC2 | S12;P1.64  S15;P1.26 |
| S15;P1.27 | WRTEC3 | 1EFWRTEC3 | S13;P1.64  S15;P1.27 |
| S15;P1.28 | SHIFT | CMSHIFT | S15;P1.28  S19;P1.26  S30;P1.29  S46;P1.6  S53;P1.59  S54;P1.59  S5;P1.12  S63;P1.59  S64;P1.59  S69;P1.12  S79;P1.28  S83;P1.26  S94;P1.29 |
| S15;P1.29 | DEVB | 1EFDEVB | S10;P1.65  S11;P1.65  S12;P1.65  S13;P1.65  S15;P1.29  S6;P1.35  S7;P1.35  S8;P1.35  S9;P1.35 |
| S15;P1.30 | *DEVB | *1EFDEVB | S10;P1.72  S11;P1.72  S12;P1.72  S13;P1.72  S14;P1.13  S15;P1.30 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S15;P1.31 | GND-U50 | 1TW*CMCLK4 | S16;P1.79  S20;P1.55  S21;P1.55  S22;P1.55  S23;P1.55  S20;P1.71  S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S47;P1.11  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S74;P1.80  S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S80;P1.71  S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S7;P1.31  S7;P1.80  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80 |
| S15;P1.32 | SELSUM | 1EFSELSUM | S6;P1.57  S7;P1.57  S8;P1.57  S9;P1.57 |
| S15;P1.33 | LOADA | 1EFLOADA | S6;P1.29  S7;P1.29  S8;P1.29  S9;P1.29 |
| S15;P1.34 | *CLOCK | *CMCLK4 | S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.34  S20;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S70;P1.79  S79;P1.34  S71;P1.79  S74;P1.79  S75;P1.3  S75;P1.79  S6;P1.79  S78;P1.22  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S15;P1.35 | *CLRFGADR | *1EFCLRFGADR | S10;P1.77  S11;P1.77  S12;P1.77  S13;P1.77  S15;P1.35 |
| S15;P1.36 | STARTUP | 1SLSTARTUP | S15;P1.36  S16;P1.35  S16;P1.36 |
| S15;P1.37 | FGADROFL | 1FGOCNTOVFL | S10;P1.70  S15;P1.37  S16;P1.37 |
| S15;P1.38 | IDLEUP | 1EFIDLEUP | S15;P1.38  S16;P1.25  S16;P1.38 |
| S15;P1.39 | DDINIT | 1DDYB1 | S18;P1.37#  S30;P1.54 |
| S15;P1.40 | IDLELD | 1EFIDLELD | S16;P1.30 |
| S15;P1.42 | HOLD | 1EFHOLD | S16;P1.78 |
| S15;P1.43 | *LDB | *1EFLDB | S17;P1.23  S19;P1.47  S5;P1.37  S5;P1.5 |
| S15;P1.44 | *DPDECODE | *1DPDECODE | S19;P1.32#  S5;P1.24  S60;P1.38# |
| S15;P1.45 | MYWORD | 1EFMYWORD | S16;P1.32 |
| S15;P1.46 | DDAVAIL | 1ACDDAVAIL | S19;P1.37#  S5;P1.26  S60;P1.37 |
| S15;P1.47 | FACE | 1ACFACE | S19;P1.77# |
| S15;P1.48 | EDGE | 1ACEDGE | S19;P1.63# |
| S15;P1.49 | DDEOL | 1DDYB0 | S18;P1.18#  S19;P1.52  S1;P1.62  S5;P1.37 |
| S15;P1.50 | STARTLD | 1SLSTARTLD | S16;P1.40  S30;P1.45  S46;P1.54  S5;P1.5 |
| S15;P1.52 | *CHAN | *CMCHN1 | S19;P1.3  S63;P1.66 |
| S15;P1.53 | *ACCEPTDD | *1DPACCEPT | S19;P1.16#  S5;P1.23  S60;P1.39# |
| S15;P1.54 | *STARTFI | *1SLSTARTFI | S15;P1.54  S16;P1.39 |
| S15;P1.55 | IDLEFI | 1EFIDLEFI | S16;P1.26  S16;P1.76  S15;P1.55 |
| S15;P1.56 | CNTWRT | 1EFCNTWRT | S14;P1.8  S15;P1.56  S16;P1.48 |
| S15;P1.57 | LDBKTADRFI | 1EFLDBKTADRFI | S16;P1.46  S15;P1.57 |
| S15;P1.58 | FGOKEY0 | 1EFFGOKEY0 | S15;P1.59  S15;P1.58 |
| S15;P1.59 | FGOKEY1 | 1EFFGOKEY1 | S15;P1.60  S15;P1.59 |
| S15;P1.60 | FGOKEY2 | 1EFFGOKEY2 | S15;P1.62  S15;P1.60 |
| S15;P1.62 | FGOKEY3 | 1EFFGOKEY3 | S11;P1.60  S12;P1.60  S13;P1.62  S15;P1.63 |
| S15;P1.63 | *INCFGADR | *1EFINCFGADR | S10;P1.73  S12;P1.73  S13;P1.73  S14;P1.10 |
| S15;P1.64 | *RESET | *CMGRE1 | S16;P1.80  S17;P1.78  S18;P1.78  S19;P1.46  S46;P1.15 |
| S15;P1.65 | FGEOL | 1FD6 | S79;P1.64  S60;P1.5  S81;P1.78  S82;P1.78  S83;P1.46  S15;P1.65  S74;P1.73  S75;P1.73  S76;P1.73  S77;P1.73  S79;P1.80  S80;P1.80 |
| S15;P1.66 | LOOPA | CMDEVEN4 | S18;P1.40#  S11;P1.20  S12;P1.20  S13;P1.20  S15;P1.20  S46;P1.59  S79;P1.66  S15;P1.66 |
| S15;P1.67 | LOOPB | GND15B | S14;P1.71  S15;P1.67  S15;P1.71 |
| S15;P1.68 | LOOPC | GND15A | S15;P1.68  S15;P1.71  S78;P1.10 |
| S15;P1.69 | LOOPD | LOOPB | S15;P1.69  S46;P1.60  S79;P1.69 |
| S15;P1.70 | SERIN | CMSEROUT | S17;P1.70  S1;P1.5  S1;P1.23  S17;P1.40#  S47;P1.40  S57;P1.40 |

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FIELD RPT BY PIN#          10-FEB-89      09:24:37      PAGE    28

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S15;P1.71 |  | GND15A | S65;P1.23  S72;P1.45  S79;P1.70  S81;P1.5  S8;P1.45 |
| S15;P1.72 | SERINA | 1FG1SENSE | S15;P1.68  S15;P1.71  S7;P1.36 |
| S15;P1.75 | SERIND | 1FG3SENSE | S11;P1.13  S15;P1.72  S9;P1.36 |
| S15;P1.76 | SEROUT | MDOUT | S13;P1.13  S15;P1.75  S46;P1.9  S54;P1.70#  S5;P1.7  S64;P1.70#  S15;P1.55#  S19;P1.55#  S83;P1.55#  S69;P1.7  S79;P1.76 |
| S15;P1.77 | *ITSME1 | *1FG1ITSME | S11;P1.66  S15;P1.77 |
| S15;P1.78 | *ITSME2 | ZZZGGG | S12;P1.66  S15;P1.78 |
| S15;P1.79 | *ITSME3 | ZZZGAG | S13;P1.66  S15;P1.79 |
| S15;P1.80 | *SPEXISTS | *IMHERE | S15;P1.80  S19;P1.50#  S46;P1.79  S54;P1.6#  S5;P1.6  S64;P1.6#  S69;P1.6  S79;P1.80  S83;P1.50# |
| S16;P1.14 | SPANADR0 | 1PSSPANADR0 | S14;P1.59#  S16;P1.14  S20;P1.7  S21;P1.7  S22;P1.7  S23;P1.7 |
| S16;P1.15 | LAADR0 | 1SLLAADR0 | S16;P1.15  S20;P1.7  S21;P1.7  S22;P1.7  S23;P1.7 |
| S16;P1.16 | SPANADR1 | 1PSSPANADR1 | S14;P1.58#  S16;P1.16  S20;P1.5  S21;P1.5  S22;P1.5  S23;P1.5 |
| S16;P1.17 | LAADR1 | 1SLLAADR1 | S16;P1.17  S20;P1.5  S21;P1.5  S22;P1.5  S23;P1.5 |
| S16;P1.18 | SPANADR2 | 1PSSPANADR2 | S14;P1.57#  S16;P1.18  S20;P1.75  S21;P1.75  S22;P1.75  S23;P1.75 |
| S16;P1.19 | LAADR2 | 1SLLAADR2 | S16;P1.19  S20;P1.75  S21;P1.75  S22;P1.75  S23;P1.75 |
| S16;P1.20 | SPANADR3 | 1PSSPANADR3 | S14;P1.55#  S16;P1.20  S20;P1.78  S21;P1.78  S22;P1.78  S23;P1.78 |
| S16;P1.22 | LAADR3 | 1SLLAADR3 | S16;P1.22  S20;P1.78  S21;P1.78  S22;P1.78  S23;P1.78 |
| S16;P1.23 | SPANADR4 | 1PSSPANADR4 | S14;P1.45#  S16;P1.23  S20;P1.77  S21;P1.77  S22;P1.77  S23;P1.77 |
| S16;P1.24 | LAADR4 | 1SLLAADR4 | S16;P1.24  S20;P1.77  S21;P1.77  S22;P1.77  S23;P1.77 |
| S16;P1.25 | IDLEUP | 1EFIDLEUP | S16;P1.38  S16;P1.25 |
| S16;P1.26 | IDLEFI | 1EFIDLEFI | S15;P1.55  S16;P1.26 |
| S16;P1.27 | CLRINP | 1SLCLRINP | S16;P1.27  S20;P1.49  S21;P1.49  S22;P1.49  S23;P1.49 |
| S16;P1.28 | MAIN0 | 1SLSERLINK | S16;P1.28  S20;P1.28 |
| S16;P1.29 | DRAWSURF | 1ACDRAWSURF | S16;P1.29  S19;P1.18#  S24;P1.19  S26;P1.74  S28;P1.74  S5;P1.50 |
| S16;P1.30 | IDLELD | 1EFIDLELD | S16;P1.40  S15;P1.40  S16;P1.30 |
| S16;P1.32 | MYWORD | 1EFMYWORD | S16;P1.45  S15;P1.45  S16;P1.32 |
| S16;P1.33 | INSORTMODE | 1SLINSORTMODE | S16;P1.20  S14;P1.20  S16;P1.33 |
| S16;P1.34 | SP-LINEDONE | 1SLSP-LINEDONE | S16;P1.34  S19;P1.59  S16;P1.59 |
| S16;P1.35 | STARTUP | 1SLSTARTUP | S16;P1.36  S15;P1.35  S16;P1.35 |
| S16;P1.36 | LAADR5 | 1SLLAADR5 | S16;P1.37  S20;P1.79  S21;P1.79  S22;P1.79  S23;P1.79 |
| S16;P1.37 | SELWRT | 1SLSELWRT | S16;P1.38  S20;P1.50  S21;P1.50  S22;P1.50  S23;P1.50 |
| S16;P1.38 | LAWRITE | 1SLLAWRITE | S16;P1.62  S20;P1.12  S21;P1.12  S22;P1.12  S23;P1.12 |
| S16;P1.39 | *STARTFILC | *1SLSTARTFI | S16;P1.50  S15;P1.54  S16;P1.39 |
| S16;P1.40 | STARTLD | 1SLSTARTLD | S16;P1.41  S15;P1.50  S16;P1.39  S16;P1.69  S16;P1.70  S16;P1.73  S16;P1.74 |
| S16;P1.41 |  | 1SIGND | S16;P1.75  S16;P1.68  S16;P1.41 |
| S16;P1.42 | LRB | 1SLPOKELAOUT | S16;P1.42  S20;P1.65  S21;P1.65  S22;P1.65  S23;P1.65 |
| S16;P1.43 | LRA | 1SLLOADLAOUT | S16;P1.43  S20;P1.58  S21;P1.58  S22;P1.58  S23;P1.58 |
| S16;P1.44 | INCMSB | 1SLINCMSB | S16;P1.65  S16;P1.44  S20;P1.30  S21;P1.30  S22;P1.30 |
| S16;P1.46 | LDIN | 1EFLDBKTADRFI | S16;P1.57  S16;P1.46 |
| S16;P1.47 | *USED | *1PSUSED | S14;P1.49#  S16;P1.47  S15;P1.47 |
| S16;P1.48 | WRTIN | 1EFCNTWRT | S14;P1.3  S16;P1.8  S15;P1.56  S16;P1.48  S15;P1.48 |
| S16;P1.49 | *LDBKTADR | *1SLLDBKTADR | S14;P1.5  S16;P1.49 |
| S16;P1.50 | WRTBKT | 1SLWRTBKT | S14;P1.6  S16;P1.50 |
| S16;P1.52 | INCBKTADR | 1SLINCBKTADR | S14;P1.70  S16;P1.52 |
| S16;P1.53 | *ENPSDATA | *1SLENPSDATA | S14;P1.53  S16;P1.53 |
| S16;P1.54 | BKTADROFL | 1PSBKTADROFL | S14;P1.19#  S16;P1.54 |

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SP1T DP

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S16;P1.55 | *LDPSOUT | *1SLLDPSOUT | S14;P1.9   S14;P1.55   S16;P1.55 |
| S16;P1.56 | *LAST | *1PSLAST | S14;P1.43#   S14;P1.56   S16;P1.56 |
| S16;P1.57 | PTRSEL | 1SLPTRSEL | S14;P1.48   S14;P1.57   S16;P1.57 |
| S16;P1.58 | STEQEND | 1PSSTEQEND | S14;P1.60#   S14;P1.58   S16;P1.58 |
| S16;P1.59 | MAINTSEL | 1SLMAINTSEL | S14;P1.28   S14;P1.59   S16;P1.59 |
| S16;P1.60 | *FIRST | *1SLFIRST | S16;P1.60   S20;P1.25   S21;P1.25   S22;P1.25   S23;P1.25 |
| S16;P1.62 | MINPRI5 | 1FD7 | S10;P1.17   S11;P1.17   S12;P1.17   S13;P1.17   S14;P1.15   S16;P1.62   S17;P1.39#   S18;P1.39# |
| S16;P1.63 | MINPRI4 | 1FD11 | S10;P1.55   S11;P1.55   S12;P1.55   S13;P1.55   S14;P1.14   S16;P1.63   S17;P1.44#   S18;P1.44# |
| S16;P1.64 | MINPRI3 | 1FD10 | S10;P1.54   S11;P1.54   S12;P1.54   S13;P1.54   S14;P1.12   S16;P1.64   S17;P1.43#   S18;P1.43# |
| S16;P1.65 | MINPRI2 | 1FD9 | S10;P1.52   S11;P1.52   S12;P1.52   S13;P1.52   S14;P1.7   S16;P1.65   S17;P1.42#   S18;P1.42# |
| S16;P1.66 | MINPRI1 | 1FD8 | S10;P1.53   S11;P1.53   S12;P1.53   S13;P1.53   S14;P1.17   S16;P1.66   S17;P1.38#   S18;P1.38# |
| S16;P1.67 | MINPRI0 | 1FD2 | S10;P1.23   S11;P1.23   S12;P1.23   S13;P1.23   S14;P1.18   S16;P1.67   S17;P1.33#   S18;P1.33# |
| S16;P1.68 | PRI5 | 1SLGND | S16;P1.41   S16;P1.68   S16;P1.69   S16;P1.70   S16;P1.73   S16;P1.74   S16;P1.75 |
| S16;P1.69 | PRI4 | 1SLGND | S16;P1.41   S16;P1.68   S16;P1.69   S16;P1.70   S16;P1.73   S16;P1.74   S16;P1.75 |
| S16;P1.70 | PRI3 | 1SLGND | S16;P1.41   S16;P1.68   S16;P1.69   S16;P1.70   S16;P1.73   S16;P1.74   S16;P1.75 |
| S16;P1.71 |  | 1TW*CMCLK4 | S10;P1.80   S11;P1.21   S14;P1.21   S15;P1.31   S16;P1.31   S20;P1.71   S21;P1.71   S22;P1.71   S23;P1.71   S26;P1.71   S46;P1.21   S47;P1.11   S5;P1.61   S69;P1.61   S6;P1.80   S70;P1.80   S71;P1.31   S74;P1.80   S75;P1.1   S75;P1.80   S78;P1.21   S79;P1.31   S7;P1.80   S80;P1.71   S84;P1.71   S85;P1.71   S86;P1.21   S87;P1.71   S12;P1.80 |
| S16;P1.72 | *CLOCK | *CMCLK4 | S10;P1.79   S11;P1.79   S14;P1.22   S15;P1.34   S16;P1.34   S20;P1.72   S21;P1.72   S22;P1.72   S23;P1.72   S46;P1.19   S6;P1.79   S70;P1.79   S71;P1.79   S74;P1.79   S75;P1.79   S75;P1.22   S78;P1.22   S79;P1.34   S7;P1.79   S80;P1.72   S84;P1.72   S85;P1.72   S86;P1.72   S87;P1.72 |
| S16;P1.73 | PRI2 | 1SLGND | S16;P1.41   S16;P1.68   S16;P1.69   S16;P1.70   S16;P1.73   S16;P1.74   S16;P1.75 |
| S16;P1.74 | PRI1 | 1SLGND | S16;P1.41   S16;P1.68   S16;P1.69   S16;P1.70   S16;P1.73   S16;P1.74   S16;P1.75 |
| S16;P1.75 | PRI0 | 1SLGND | S16;P1.41   S16;P1.68   S16;P1.69   S16;P1.70   S16;P1.73   S16;P1.74   S16;P1.75 |
| S16;P1.76 | SERIN | 1EFIDLEFI | S15;P1.55   S16;P1.26   S16;P1.76 |
| S16;P1.78 | HOLD | 1EFHOLD | S15;P1.42   S15;P1.78   S16;P1.78 |
| S16;P1.79 | *DEVICE | *1EFDEVB | S10;P1.72   S11;P1.72   S12;P1.72   S13;P1.72   S14;P1.10   S15;P1.30 |
| S16;P1.80 | *RESET | *CMGRE1 | S16;P1.73   S17;P1.78   S12;P1.73   S18;P1.78   S19;P1.46   S46;P1.15   S60;P1.5   S74;P1.73   S75;P1.73   S76;P1.73   S77;P1.73   S50;P1.5   S79;P1.64   S80;P1.80   S81;P1.78   S82;P1.78   S83;P1.46   S78;P1.10 |
| S17;P1.2 | +5VDC | +5V17 | S17;P1.2   S17;P1.4 |
| S17;P1.3 | DDADDIN | 1DDYA15 | S17;P1.3   S18;P1.54#   S24;P1.18 |
| S17;P1.4 |  | +5V17 | S17;P1.2   S17;P1.4 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S17;P1.5 | MAINTSERIN | CMSEROUT | S15;P1.70  S65;P1.23  S17;P1.5  S72;P1.45  S1;P1.23  S79;P1.70  S46;P1.37  S81;P1.5  S47;P1.40  S8;P1.45  S57;P1.40 |
| S17;P1.6 | OFSSERIN | 1DDXA15 | S17;P1.54#  S17;P1.6  S18;P1.6  S24;P1.73  S30;P1.33 |
| S17;P1.7 | DDB6 | 1DDXB6 | S17;P1.7#  S1;P1.77  S60;P1.43 |
| S17;P1.8 | DDB7 | 1DDXB7 | S17;P1.8#  S1;P1.79  S60;P1.45 |
| S17;P1.9 | *ACINPACCEPT | *1ACINPACCEPT | S17;P1.9  S19;P1.43# |
| S17;P1.10 | *DBAVAIL | *1DDXDBAVAIL | S17;P1.10  S19;P1.39 |
| S17;P1.12 | DDXCARD | 1DDXPUP | S17;P1.12  S17;P1.48 |
| S17;P1.13 | DDB4 | 1DDXB4 | S17;P1.13#  S1;P1.73  S30;P1.63  S60;P1.46 |
| S17;P1.14 | DDB5 | 1DDXB5 | S17;P1.14#  S19;P1.60  S1;P1.75  S60;P1.48 |
| S17;P1.15 | DDB3 | 1DDXB3 | S17;P1.15#  S1;P1.69  S30;P1.38  S32;P1.38 |
| S17;P1.16 | ACLDB | 1ACLDB | S17;P1.16  S18;P1.16  S19;P1.30# |
| S17;P1.17 | DDB2 | 1DDXB2 | S17;P1.17#  S1;P1.67  S30;P1.35  S32;P1.35  S60;P1.42 |
| S17;P1.18 | DDB0 | 1DDXB0 | S17;P1.18#  S1;P1.63  S30;P1.43  S32;P1.43  S60;P1.8 |
| S17;P1.19 | CTL0 | 1ACDDCODE0 | S17;P1.19  S18;P1.19  S19;P1.36# |
| S17;P1.20 | FD10 | 1FD1 | S17;P1.25  S11;P1.25  S12;P1.25  S13;P1.25  S14;P1.72#  S17;P1.20#  S18;P1.20# |
| S17;P1.22 | ACLDA | 1ACLDA | S17;P1.22  S18;P1.22  S19;P1.17# |
| S17;P1.23 | *FE1 | *1EFLDB | S15;P1.43  S17;P1.23  S19;P1.47 |
| S17;P1.24 | CTL4 | 1ACDRAWPGM | S17;P1.24  S18;P1.24  S19;P1.8# |
| S17;P1.25 | CTL2 | 1ACDDCODE2 | S17;P1.25  S18;P1.25  S19;P1.34# |
| S17;P1.26 | CTL1 | 1ACDDCODE1 | S17;P1.26  S18;P1.26  S19;P1.35# |
| S17;P1.27 | *BMAINT | *1SD0BMAINT | S17;P1.27  S18;P1.27  S24;P1.66  S26;P1.76  S28;P1.76  S30;P1.23# |
| S17;P1.28 | FD8 | 1FD3 | S17;P1.24  S11;P1.24  S12;P1.24  S13;P1.24  S14;P1.76#  S17;P1.28#  S18;P1.28#  S20;P1.59  S21;P1.59  S22;P1.59  S23;P1.59 |
| S17;P1.29 | *FE2 | *1ACFE2X | S17;P1.29  S19;P1.68# |
| S17;P1.30 | FD7 | 1FD4 | S10;P1.22  S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S17;P1.30#  S18;P1.30#  S20;P1.10  S21;P1.10  S22;P1.10  S23;P1.10 |
| S17;P1.32 | FD11 | 1FD0 | S10;P1.26  S11;P1.26  S12;P1.26  S13;P1.26  S14;P1.79#  S17;P1.32#  S18;P1.32#  S18;P1.32# |
| S17;P1.33 | FD9 | 1FD2 | S10;P1.23  S11;P1.23  S12;P1.23  S13;P1.23  S14;P1.18  S16;P1.67  S18;P1.33#  S18;P1.33# |
| S17;P1.34 | FD6 | 1FD5 | S10;P1.19  S11;P1.19  S12;P1.19  S13;P1.19  S14;P1.74#  S17;P1.34#  S18;P1.34#  S20;P1.22  S21;P1.22  S22;P1.22  S23;P1.22 |
| S17;P1.35 | *FE0 | *1ACFE0X | S17;P1.35  S19;P1.66# |
| S17;P1.36 | CTL3 | 1ACDDCODE3 | S17;P1.36  S18;P1.36  S19;P1.33#  S30;P1.42  S32;P1.42  S60;P1.40 |
| S17;P1.37 | DDB1 | 1DDXB1 | S17;P1.37#  S1;P1.65 |
| S17;P1.38 | FD3 | 1FD8 | S17;P1.38#  S18;P1.38#  S11;P1.53  S12;P1.53  S13;P1.53  S14;P1.53 |
| S17;P1.39 | FD4 | 1FD7 | S10;P1.17  S11;P1.17  S12;P1.17  S13;P1.17  S14;P1.17  S16;P1.62  S17;P1.39#  S18;P1.39# |
| S17;P1.40 | FD5 | 1FD6 | S10;P1.20  S11;P1.20  S12;P1.20  S13;P1.20  S15;P1.65  S16;P1.65  S17;P1.40#  S18;P1.40# |
| S17;P1.41 | GROUND | 1DDXGND | S17;P1.41  S17;P1.62 |
| S17;P1.42 | FD2 | 1FD9 | S10;P1.52  S11;P1.52  S12;P1.52  S13;P1.52  S14;P1.7  S16;P1.66  S17;P1.42#  S18;P1.42# |
| S17;P1.43 | FD1 | 1FD10 | S10;P1.54  S11;P1.54  S12;P1.54  S13;P1.54  S14;P1.12  S16;P1.64  S18;P1.43# |
| S17;P1.44 | FD0 | 1FD11 | S10;P1.55  S11;P1.55  S12;P1.55  S13;P1.55  S14;P1.14  S16;P1.63  S18;P1.44# |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S17;P1.45 | DDA7 | 1DDXA7 | S17;P1.45#  S24;P1.80  S4;P1.80  S57;P1.59  S58;P1.45  S59;P1.30 |
| S17;P1.46 | DDMD0 | 1DDXMD0 | S17;P1.46#  S26;P1.50 |
| S17;P1.48 | PUP | 1DDXPUP | S6;P1.44  S7;P1.44 |
| S17;P1.50 | DDMD1 | 1DDXMD1 | S17;P1.50#  S26;P1.52  S4;P1.78  S57;P1.63  S58;P1.44  S59;P1.29  S6;P1.39  S7;P1.39 |
| S17;P1.52 | DDMD3 | 1DDXMD3 | S17;P1.52#  S26;P1.54  S4;P1.74  S57;P1.67  S58;P1.42  S59;P1.33  S6;P1.37  S7;P1.37 |
| S17;P1.53 | ACMSW | 1ACMSW | S17;P1.53#  S18;P1.53  S19;P1.53#  S24;P1.73  S30;P1.33 |
| S17;P1.54 | DDA15 | 1DDXA15 | S17;P1.54#  S17;P1.6  S18;P1.6 |
| S17;P1.55 | DDA15XOR | 1DDXA15XOR | S17;P1.55#  S24;P1.79 |
| S17;P1.56 | DDMD2 | 1DDXMD2 | S17;P1.56#  S26;P1.53  S4;P1.76  S57;P1.65  S58;P1.43  S59;P1.32  S6;P1.64  S7;P1.64 |
| S17;P1.57 | DDMD15 | 1DDXMD15 | S17;P1.57#  S26;P1.67  S30;P1.50  S32;P1.50  S57;P1.80  S59;P1.47  S6;P1.62  S7;P1.62 |
| S17;P1.58 | DDMD13 | 1DDXMD13 | S17;P1.58#  S26;P1.65  S30;P1.59  S57;P1.76  S59;P1.45  S6;P1.27  S7;P1.27 |
| S17;P1.60 | DDMD9 | 1DDXMD9 | S17;P1.60  S26;P1.60  S30;P1.66  S4;P1.29  S57;P1.68  S58;P1.35  S59;P1.39  S6;P1.48  S7;P1.48 |
| S17;P1.62 | DDYCARD | 1DDXGND | S17;P1.41 |
| S17;P1.63 | DDMD12 | 1DDXMD12 | S17;P1.63#  S26;P1.64  S30;P1.60  S57;P1.74  S58;P1.32  S59;P1.44  S6;P1.22  S7;P1.22 |
| S17;P1.64 | DDMD14 | 1DDXMD14 | S17;P1.64#  S26;P1.66  S30;P1.49  S32;P1.49  S57;P1.78  S59;P1.43  S6;P1.28  S7;P1.28 |
| S17;P1.65 | DDMD8 | 1DDXMD8 | S17;P1.65#  S26;P1.59  S30;P1.67  S4;P1.32  S57;P1.66  S58;P1.36  S6;P1.38  S7;P1.18 |
| S17;P1.66 | DDMD11 | 1DDXMD11 | S17;P1.66#  S26;P1.63  S30;P1.64  S4;P1.25  S57;P1.72  S58;P1.33  S6;P1.43  S7;P1.43 |
| S17;P1.67 | DDK1 | 1DDXK1 | S17;P1.67#  S24;P1.48 |
| S17;P1.68 | DDMD10 | 1DDXMD10 | S17;P1.68#  S26;P1.62  S30;P1.65  S4;P1.27  S57;P1.70  S58;P1.34  S6;P1.30  S7;P1.30 |
| S17;P1.69 | DDK3 | 1DDXK3 | S17;P1.69#  S24;P1.53 |
| S17;P1.70 | DDK2 | 1DDXK2 | S17;P1.70#  S24;P1.57 |
| S17;P1.71 | GROUND | 1TW*CMCLK3 | S17;P1.71#  S18;P1.71  S19;P1.41  S24;P1.61  S24;P1.71  S26;P1.80  S28;P1.80  S30;P1.51  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71  S83;P1.41  S88;P1.61  S90;P1.80  S92;P1.80  S94;P1.51  S96;P1.51 |
| S17;P1.72 | *CLK | *CMCLK3 | S17;P1.72#  S18;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79  S30;P1.52  S32;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42  S88;P1.72  S90;P1.79  S92;P1.79  S94;P1.52  S96;P1.52 |
| S17;P1.73 | DDMD5 | 1DDXMD5 | S17;P1.73#  S26;P1.56  S4;P1.15  S57;P1.60  S58;P1.39  S59;P1.35  S6;P1.42  S7;P1.42 |
| S17;P1.74 | DDK4 | 1DDXK4 | S17;P1.74#  S24;P1.23 |
| S17;P1.75 | DDMD6 | 1DDXMD6 | S17;P1.75#  S26;P1.57  S4;P1.13  S57;P1.62  S58;P1.38  S59;P1.36  S6;P1.40  S7;P1.40 |
| S17;P1.76 | DDMD7 | 1DDXMD7 | S17;P1.76#  S26;P1.58  S4;P1.10  S57;P1.64  S58;P1.37  S59;P1.37  S6;P1.46  S7;P1.46 |
| S17;P1.77 | DDMD4 | 1DDXMD4 | S17;P1.77#  S26;P1.55  S4;P1.17  S57;P1.58  S58;P1.40  S59;P1.34  S6;P1.55  S7;P1.55 |
| S17;P1.78 | *RESET | *CMGRE1 | S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO | | | | | |
|---|---|---|---|---|---|---|---|---|
| S18;P1.1 | GROUND | 1DDYGND | S16;P1.80 | S17;P1.78 | S18;P1.78 | S19;P1.46 | S46;P1.15 | S50;P1.5 |
| S18;P1.2 | +5VDC | +5V18 | S60;P1.5 | S74;P1.73 | S75;P1.73 | S76;P1.73 | S77;P1.73 | S78;P1.10 |
| S18;P1.3 | DDADDIN | 1DDYGND | S79;P1.64 | S80;P1.80 | S81;P1.78 | S82;P1.78 | S83;P1.46 | |
| S18;P1.4 | +5V18 | +5V18 | S18;P1.1 | S18;P1.12 | S18;P1.12 | S18;P1.3 | | |
| S18;P1.5 | MAINTSERIN | 1SD0SEROUT | S18;P1.2 | S18;P1.1 | S18;P1.4 | | | |
| S18;P1.6 | OFSSERIN | 1DDXA15 | S18;P1.5# | S30;P1.5# | S18;P1.6 | S24;P1.73 | S5;P1.57 | S60;P1.35 |
| S18;P1.7 | DDB6 | 1DDYB6 | S17;P1.54# | S17;P1.6 | S19;P1.44 | S19;P1.47 | S32;P1.47 | |
| S18;P1.8 | DDB7 | 1DDYB7 | S18;P1.7# | S19;P1.76 | S5;P1.58 | S60;P1.36 | | S5;P1.43 |
| S18;P1.12 | DDXCARD | 1DDYGND | S18;P1.1 | S18;P1.12 | S18;P1.3 | S19;P1.6 | S32;P1.68 | |
| S18;P1.13 | DDB4 | 1DDYB4 | S15;P1.22 | S18;P1.13# | S19;P1.6 | S30;P1.68 | S32;P1.68 | |
| | | | S60;P1.33 | | | | | |
| S18;P1.14 | DDB5 | 1DDYB5 | S18;P1.14# | S19;P1.45 | S5;P1.56 | S60;P1.34 | S32;P1.69 | S5;P1.80 |
| S18;P1.15 | DDB3 | 1DDYB3 | S15;P1.23 | S18;P1.15# | S19;P1.5 | S30;P1.69 | | |
| | | | S60;P1.32 | | | | | |
| S18;P1.16 | ACLDB | 1ACLDB | S17;P1.16 | S18;P1.16 | S19;P1.30# | S32;P1.70 | S5;P1.55 | S60;P1.30 |
| S18;P1.17 | DDB2 | 1DDYB2 | S18;P1.17# | S19;P1.4 | S30;P1.70 | S1;P1.62 | S5;P1.37 | |
| S18;P1.18 | DDB0 | 1DDYB0 | S15;P1.49 | S18;P1.18# | S19;P1.52 | | | |
| S18;P1.19 | CTL0 | 1ACDDCODE0 | S17;P1.19 | S18;P1.19 | S19;P1.36# | | | |
| S18;P1.20 | FD10 | 1FD1 | S10;P1.20# | S11;P1.25 | S12;P1.25 | S13;P1.25 | S14;P1.72# | S17;P1.20# |
| S18;P1.22 | ACLDA | 1ACLDA | S17;P1.22 | S18;P1.22 | S19;P1.17# | | | |
| S18;P1.23 | *FE1 | 1DDYPUP | S18;P1.23 | S18;P1.48 | S18;P1.62 | | | |
| S18;P1.24 | CTL4 | *1ACDRAWPGM | S17;P1.24 | S18;P1.24 | S19;P1.8# | S26;P1.76 | S28;P1.76 | S30;P1.23# |
| S18;P1.25 | CTL2 | 1ACDDCODE2 | S17;P1.25 | S18;P1.25 | S19;P1.34# | | | |
| S18;P1.26 | CTL1 | 1ACDDCODE1 | S17;P1.26 | S18;P1.26 | S19;P1.35# | | | |
| S18;P1.27 | *BMAINT | *1SD0BMAINT | S17;P1.27 | S18;P1.27 | S24;P1.66 | S13;P1.24 | S14;P1.76# | S17;P1.28# |
| S18;P1.28 | FD8 | 1FD3 | S18;P1.28# | S11;P1.24 | S12;P1.24 | S22;P1.59 | S23;P1.59 | |
| S18;P1.29 | *FE2 | *1ACFE2Y | S18;P1.29 | S20;P1.59# | S19;P1.69# | | | |
| S18;P1.30 | FD7 | 1FD4 | S10;P1.22 | S11;P1.22 | S21;P1.10 | S22;P1.10 | S14;P1.73# | S17;P1.30# |
| S18;P1.32 | FD11 | 1FD0 | S10;P1.30# | S11;P1.26 | S12;P1.26 | S13;P1.26 | S14;P1.79# | S17;P1.32# |
| S18;P1.33 | FD9 | 1FD2 | S10;P1.26 | S18;P1.32# | S12;P1.23 | S13;P1.23 | S14;P1.18 | S16;P1.67 |
| S18;P1.34 | FD6 | 1FD5 | S18;P1.34# | S11;P1.33# | S12;P1.19 | S13;P1.19 | S14;P1.74# | S17;P1.34# |
| | | | S10;P1.19 | S11;P1.19 | S21;P1.22 | S22;P1.22 | S23;P1.22 | |
| S18;P1.35 | *FE0 | *1ACFE0Y | S18;P1.35 | S19;P1.67# | S19;P1.33# | | | |
| S18;P1.36 | CTL3 | 1ACDDCODE3 | S17;P1.36 | S18;P1.36 | S30;P1.54 | | | |
| S18;P1.37 | DDB1 | 1DDYB1 | S15;P1.39 | S11;P1.37# | S12;P1.53 | S13;P1.53 | S14;P1.17 | S16;P1.66 |
| | | | S10;P1.53 | | | | | |
| S18;P1.38 | FD3 | 1FD8 | S17;P1.38# | S18;P1.38# | S12;P1.17 | S13;P1.17 | S14;P1.17 | |
| | | | S10;P1.17 | | | | | |
| S18;P1.39 | FD4 | 1FD7 | S17;P1.39# | S18;P1.39# | S12;P1.17 | S13;P1.17 | S14;P1.15 | S16;P1.62 |
| | | | S10;P1.20 | | | | | |
| S18;P1.40 | FD5 | 1FD6 | S18;P1.40# | S11;P1.20 | S12;P1.20 | S13;P1.20 | S15;P1.65 | S17;P1.40# |
| S18;P1.42 | FD2 | 1FD9 | S10;P1.52 | S11;P1.52 | S12;P1.52 | S13;P1.52 | S14;P1.7 | S16;P1.65 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S18;P1.43 | FD1 | 1FD10 | S17;P1.42# S18;P1.42# S12;P1.54 S13;P1.54 S14;P1.12 S16;P1.64 |
| S18;P1.44 | FD0 | 1FD11 | S10;P1.54 S11;P1.54 S12;P1.55 S13;P1.55 S14;P1.14 S16;P1.63 |
| S18;P1.45 | DDA7 | 1DDYA7 | S17;P1.43# S18;P1.43# |
| S18;P1.46 | DDMD0 | 1DDYMD0 | S10;P1.55 S11;P1.55 |
| S18;P1.47 | DDYSEL | 1DDYYSEL | S17;P1.44# S18;P1.44# |
| S18;P1.48 | PUP | 1DDYPUP | S18;P1.45# S24;P1.74 S4;P1.79 S8;P1.44 S9;P1.44 |
| S18;P1.50 | DDMD1 | 1DDYMD1 | S18;P1.46# S28;P1.50 S18;P1.62 S4;P1.77 S8;P1.39 S9;P1.39 |
| S18;P1.52 | DDMD3 | 1DDYMD3 | S18;P1.47# S24;P1.54 S18;P1.52 S4;P1.73 S8;P1.37 S9;P1.37 |
| S18;P1.53 | ACMSW | 1ACMSW | S18;P1.23 S18;P1.53 S19;P1.53# S24;P1.18 S9;P1.62 |
| S18;P1.54 | DDA15 | 1DDYA15 | S18;P1.50# S28;P1.52 S4;P1.75 S8;P1.64 S9;P1.64 |
| S18;P1.56 | DDMD2 | 1DDYMD2 | S18;P1.52# S28;P1.54 S30;P1.37 S32;P1.37 S8;P1.62 |
| S18;P1.57 | DDMD15 | 1DDYMD15 | S17;P1.53 S18;P1.54# S8;P1.27 S9;P1.27 |
| S18;P1.58 | DDMD13 | 1DDYMD13 | S17;P1.3 S28;P1.53 S4;P1.28 S8;P1.48 S9;P1.48 |
| S18;P1.60 | DDMD9 | 1DDYMD9 | S18;P1.56# S28;P1.67 S18;P1.62 S8;P1.22 S9;P1.22 |
| S18;P1.62 | DDYCARD | 1DDYPUP | S18;P1.57# S28;P1.65 S8;P1.64 |
| S18;P1.63 | DDMD12 | 1DDYMD12 | S18;P1.58# S28;P1.60 S30;P1.36 S32;P1.36 S8;P1.28 S9;P1.28 |
| S18;P1.64 | DDMD14 | 1DDYMD14 | S18;P1.60 S28;P1.64 S30;P1.30 S4;P1.30 S8;P1.18 S9;P1.18 |
| S18;P1.65 | DDMD8 | 1DDYMD8 | S18;P1.23 S28;P1.66 S4;P1.24 S8;P1.43 S9;P1.43 |
| S18;P1.66 | DDMD11 | 1DDYMD11 | S18;P1.63# S28;P1.59 |
| S18;P1.67 | DDK1 | 1DDYK1 | S18;P1.64# S28;P1.63 S4;P1.26 S8;P1.30 S9;P1.30 |
| S18;P1.68 | DDMD10 | 1DDYMD10 | S18;P1.65# S24;P1.56 |
| S18;P1.69 | DDK3 | 1DDYK3 | S18;P1.66# S28;P1.62 |
| S18;P1.70 | DDK2 | 1DDYK2 | S18;P1.68# S24;P1.52 |
| S18;P1.71 | GROUND | 1TW*CMCLK3 | S18;P1.69# S18;P1.70# S17;P1.71 S18;P1.71 S19;P1.41 S24;P1.61 S24;P1.71 S26;P1.80 S28;P1.80 S30;P1.51 S32;P1.51 S46;P1.11 S81;P1.71 S82;P1.71 S83;P1.41 S88;P1.61 S88;P1.71 S90;P1.80 S92;P1.80 S94;P1.51 S96;P1.51 |
| S18;P1.72 | *CLK | *CMCLK3 | S17;P1.72 S19;P1.42 S24;P1.72 S26;P1.79 S28;P1.79 S30;P1.52 S46;P1.18 S81;P1.72 S82;P1.72 S83;P1.42 S88;P1.72 S92;P1.79 S94;P1.52 S96;P1.52 S4;P1.14 S8;P1.42 S9;P1.42 |
| S18;P1.73 | DDMD5 | 1DDYMD5 | S18;P1.73# S4;P1.12 S8;P1.40 S9;P1.40 |
| S18;P1.74 | DDK4 | 1DDYK4 | S18;P1.74# S4;P1.9 S8;P1.46 S9;P1.46 |
| S18;P1.75 | DDMD6 | 1DDYMD6 | S18;P1.75# S4;P1.16 S8;P1.55 S9;P1.55 |
| S18;P1.76 | DDMD7 | 1DDYMD7 | S18;P1.76# |
| S18;P1.77 | DDMD4 | 1DDYMD4 | S18;P1.77# |
| S18;P1.78 | *RESET | *CMGRE1 | S10;P1.73 S17;P1.78 S19;P1.46 S12;P1.73 S13;P1.73 S14;P1.10 S15;P1.64 S16;P1.73 S46;P1.10 S50;P1.5 S74;P1.73 S75;P1.73 S76;P1.73 S77;P1.73 S78;P1.10 S80;P1.80 S81;P1.78 S82;P1.78 S83;P1.46 S19;P1.3 S30;P1.45 S46;P1.54 S5;P1.5 |
| S19;P1.3 | *CHAN | *CMCHN1 | S16;P1.80 S60;P1.5 S79;P1.64 S64;P1.66 S63;P1.66 |
| S19;P1.4 | DDYB2 | 1DDYB2 | S18;P1.17# S15;P1.23 S60;P1.32 S30;P1.70 S32;P1.70 S5;P1.55 S60;P1.30 |
| S19;P1.5 | DDYB3 | 1DDYB3 | S15;P1.22 S60;P1.33 S19;P1.5 S30;P1.69 S32;P1.69 S5;P1.80 |
| S19;P1.6 | DDYB4 | 1DDYB4 | S18;P1.13# S19;P1.6 S30;P1.68 S32;P1.68 S5;P1.43 |
| S19;P1.7 | MAINTSERIN | 1DAYMSBRAMP | S28;P1.42 S19;P1.7 |

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SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | Pin1 | Pin2 | Pin3 | Pin4 | Pin5 | Pin6 |
|---|---|---|---|---|---|---|---|---|
| S19;P1.8 | *DRAWPGM | *1ACDRAWPGM | S17;P1.24 | S18;P1.24 | S19;P1.8# | | | |
| S19;P1.9 | DPDONEBUSS | DPDONEBUSS | S19;P1.9# | S46;P1.10 | S50;P1.6 | | | |
| S19;P1.10 | LDKI | 1ACLDKI | S19;P1.10# | S24;P1.40 | S24;P1.5 | S60;P1.6 | S83;P1.9# | |
| S19;P1.12 | LDLIGHT | 1ACLDLIGHT | S19;P1.12# | S24;P1.5 | | | | |
| S19;P1.13 | BLOCK3 | CMBLOCK3 | S19;P1.13 | S46;P1.43 | S83;P1.13 | | | |
| S19;P1.14 | FORCEWAIT | CMFORCEWAIT | S19;P1.14 | S46;P1.36 | S83;P1.14 | | | |
| S19;P1.15 | *BETACARRY | *1AIBETACARRY | S19;P1.15 | S24;P1.25# | | | | |
| S19;P1.16 | DPACCEPT | *1DPACCEPT | S15;P1.53 | S19;P1.16# | S5;P1.23 | S60;P1.39# | | |
| S19;P1.17 | LDA | 1ACLDA | S17;P1.22 | S18;P1.22 | S19;P1.17# | | | |
| S19;P1.18 | DRAWSURF | 1ACDRAWSURF | S16;P1.18 | S19;P1.18# | S24;P1.19 | S26;P1.74 | S28;P1.74 | S5;P1.50 |
| S19;P1.19 | *LDN | *1ACLDN | S19;P1.19# | S30;P1.62 | | | | |
| S19;P1.20 | *INCN | *1ACINCN | S19;P1.20# | S30;P1.53 | | | | |
| S19;P1.21 | GROUND | GND51 | S19;P1.21 | S19;P1.25 | | | | |
| S19;P1.22 | *SHACOFS | *1ACSHACOFS | S19;P1.22# | S30;P1.26 | | | | |
| S19;P1.23 | *LDBETA | *1ACLDBETA | S19;P1.23# | S24;P1.26 | | | | |
| S19;P1.24 | *SHALPHA | *1ACSHALPHA | S19;P1.24# | S24;P1.78 | | | | |
| S19;P1.25 | LOOPDBM | GND51 | S19;P1.25 | S19;P1.21 | | | | |
| S19;P1.26 | SHIFT | CMSHIFT | S15;P1.28 | S19;P1.26 | S30;P1.29 | S46;P1.6 | S53;P1.59 | S54;P1.59 |
| | | | S5;P1.12 | S19;P1.28 | S64;P1.59 | S69;P1.12 | S79;P1.28 | S83;P1.26 |
| | | | S94;P1.29 | S63;P1.59 | | | | |
| S19;P1.27 | LDANREGS | 1ACLDANREGS | S19;P1.27# | S26;P1.70 | S28;P1.70 | S30;P1.39 | S32;P1.39 | |
| S19;P1.28 | CTXTOY | 1ACCTXTOY | S19;P1.28# | S24;P1.22 | | | | |
| S19;P1.29 | LOOPDPB | CMDEVEN3 | S19;P1.29 | S46;P1.58 | | | | |
| S19;P1.30 | LDB | 1ACLDB | S17;P1.16 | S18;P1.16 | S19;P1.30# | S83;P1.29 | | |
| S19;P1.32 | *DPDECODE | *1DPDECODE | S15;P1.44 | S19;P1.32# | S5;P1.24 | S60;P1.38# | | |
| S19;P1.33 | DDCODE3 | 1ACDDCODE3 | S17;P1.36 | S18;P1.36 | S19;P1.33# | | | |
| S19;P1.34 | DDCODE2 | 1ACDDCODE2 | S17;P1.25 | S18;P1.25 | S19;P1.34# | | | |
| S19;P1.35 | DDCODE1 | 1ACDDCODE1 | S17;P1.26 | S18;P1.26 | S19;P1.35# | | | |
| S19;P1.36 | DDCODE0 | 1ACDDCODE0 | S17;P1.19 | S18;P1.19 | S19;P1.36# | | | |
| S19;P1.37 | DDAVAIL | 1ACDDAVAIL | S15;P1.46 | S19;P1.37# | S5;P1.26 | S60;P1.37 | | |
| S19;P1.38 | SETLIN | 1SD0COMPOSITESETL | S19;P1.37# | S30;P1.4# | S19;P1.4# | | | |
| S19;P1.39 | *DBAVAIL | *1DDXDBAVAIL | S17;P1.10 | S19;P1.39# | | | | |
| S19;P1.40 | BLOCK2 | CMBLOCK2 | S19;P1.40 | S46;P1.44 | S83;P1.40 | S24;P1.61 | S81;P1.71 | S26;P1.80 |
| S19;P1.41 | GROUND | 1TW*CMCLK3 | S17;P1.71 | S18;P1.71 | S19;P1.41 | S46;P1.11 | S82;P1.71 | |
| | | | S30;P1.51 | S88;P1.71 | S90;P1.80 | S92;P1.80 | S94;P1.51 | |
| S19;P1.42 | *CLK | *CMCLK3 | S96;P1.51 | S26;P1.79 | S82;P1.72 | S96;P1.52 | S28;P1.79 | S83;P1.42 |
| S19;P1.43 | *INPACCEPT | *1ACINPACCEPT | S17;P1.72 | S19;P1.72 | S30;P1.47 | S32;P1.47 | S5;P1.57 | S60;P1.35 |
| S19;P1.44 | DDYB6 | 1DDYB6 | S18;P1.52 | S30;P1.52 | S46;P1.18 | S81;P1.72 | S82;P1.72 | S96;P1.52 |
| S19;P1.45 | DDYB5 | 1DDYB5 | S88;P1.72 | S90;P1.79 | S92;P1.79 | S94;P1.52 | S96;P1.52 | |
| S19;P1.46 | *RESET | *CMGRE1 | S10;P1.73 | S11;P1.73 | S12;P1.73 | S13;P1.73 | S14;P1.73 | S15;P1.64 |
| | | | S16;P1.80 | S17;P1.78 | S18;P1.78 | S19;P1.78 | S46;P1.15 | S50;P1.5 |
| | | | S60;P1.5 | S74;P1.73 | S75;P1.73 | S76;P1.73 | S77;P1.73 | S78;P1.10 |
| | | | S79;P1.64 | S80;P1.80 | S81;P1.78 | S82;P1.78 | S83;P1.46 | |
| S19;P1.47 | *SPLOADACTIV | *1EFLDB | S15;P1.43 | S17;P1.23 | S19;P1.23 | | | |
| S19;P1.48 | *ENABFD | *1ACENABFD | S19;P1.48# | S24;P1.58 | S19;P1.47 | | | |

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200116100A0
SP1T DP
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STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS (PIN#) |
|---|---|---|---|
| S19;P1.49 | SDYSEL | 1SDOYSEL | S19;P1.49  S30;P1.32#  S46;P1.79  S54;P1.6#  S64;P1.6# |
| S19;P1.50 | *ITSME | *IMHERE | S15;P1.80  S19;P1.50#  S83;P1.50# |
| S19;P1.52 | DDYB0 | 1DDYB0 | S69;P1.6  S79;P1.80  S19;P1.52  S1;P1.62 |
| S19;P1.53 | MSW | 1ACMSW | S15;P1.49  S18;P1.18#  S19;P1.53#  S5;P1.37 |
| S19;P1.54 | DPGO | CMGO | S17;P1.53  S18;P1.53  S83;P1.54 |
| S19;P1.55 | SEROUT | MDOUT | S19;P1.54  S46;P1.25  S46;P1.9  S54;P1.70#  S64;P1.70#  S15;P1.76  S19;P1.55#  S83;P1.55#  S69;P1.7  S79;P1.76  S83;P1.56# |
| S19;P1.56 | READAVAIL | AVAILOUT | S19;P1.56#  S46;P1.77 |
| S19;P1.57 | LOADK(J) | 1ACLOADK(J) | S19;P1.57#  S24;P1.47 |
| S19;P1.58 | LOADK(J+1) | 1ACLOADK(JPLUS1) | S19;P1.58#  S24;P1.17 |
| S19;P1.59 | SPLINEDONE | 1SLSP-LINEDONE | S16;P1.34  S19;P1.59 |
| S19;P1.60 | DDXB5 | 1DDXB5 | S17;P1.14#  S19;P1.60  S60;P1.48 |
| S19;P1.62 | LDSLOPE | 1ACLDSLOPE | S19;P1.62#  S26;P1.69  S1;P1.75 |
| S19;P1.63 | EDGE | 1ACEDGE | S15;P1.48  S19;P1.63#  S28;P1.69 |
| S19;P1.64 | LIGB | 1ACLIGB | S19;P1.64#  S24;P1.20 |
| S19;P1.65 | LIGHTB | 1ACLIGHTB | S19;P1.65#  S24;P1.76 |
| S19;P1.66 | *FE0X | *1ACFE0X | S17;P1.35  S19;P1.66# |
| S19;P1.67 | *FE0Y | *1ACFE0Y | S18;P1.35  S19;P1.67# |
| S19;P1.68 | *FE2X | *1ACFE2X | S17;P1.29  S19;P1.68# |
| S19;P1.69 | *FE2Y | *1ACFE2Y | S18;P1.29  S19;P1.69# |
| S19;P1.70 | *SHIFTB | *1ACSHIFTB | S19;P1.70#  S24;P1.75 |
| S19;P1.72 | *SHIFTA | *1ACSHIFTA | S19;P1.72#  S24;P1.77 |
| S19;P1.73 | NCOUNTDONE | 1SDONCOUNTDONE | S19;P1.73  S30;P1.3# |
| S19;P1.74 | PERMITLIGHT | 1OCPERMITLIGHT | S19;P1.74  S5;P1.38 |
| S19;P1.75 | *SPEXISTS | *1FGOITSME | S19;P1.66  S19;P1.75  S5;P1.58  S60;P1.36 |
| S19;P1.76 | DDYB7 | 1DDYB7 | S18;P1.8#  S19;P1.76 |
| S19;P1.77 | FACE | 1ACFACE | S15;P1.47  S19;P1.77# |
| S19;P1.78 | UNBLANK | 1ACUNBLANK | S19;P1.78#  S30;P1.20  S32;P1.20 |
| S19;P1.79 | FORCEAVAIL | CMFORCEAVAIL | S19;P1.79  S46;P1.35  S83;P1.79 |
| S19;P1.80 | *DDYB6 | *1DDYB6 | S19;P1.80#  S26;P1.75  S28;P1.75 |
| S20;P1.2 | +5V20 | +5V20 | S20;P1.2  S20;P1.4 |
| S20;P1.3 | ELSEROUT0 | 1LA3ELSER0 | S20;P1.3  S22;P1.28 |
| S20;P1.4 | +5V20 | +5V20 | S20;P1.2  S20;P1.4 |
| S20;P1.5 | ADR1 | 1SLLAADR1 | S16;P1.17  S20;P1.5  S21;P1.5  S22;P1.5  S23;P1.5 |
| S20;P1.6 | ENDF2 | 1LA3GND | S20;P1.36  S20;P1.41  S20;P1.6  S21;P1.6 |
| S20;P1.7 | ADR0 | 1SLLAADR0 | S16;P1.15  S20;P1.7  S21;P1.7  S22;P1.7  S23;P1.7 |
| S20;P1.8 | *DIN4 | 1FD18 | S10;P1.75  S11;P1.75  S12;P1.75  S13;P1.75#  S14;P1.75#  S20;P1.8  S21;P1.8  S22;P1.8  S23;P1.8 |
| S20;P1.9 | *DIN5 | 1FD17 | S10;P1.62  S11;P1.62  S12;P1.62  S13;P1.62  S14;P1.77#  S20;P1.9  S21;P1.9  S22;P1.9  S23;P1.9 |
| S20;P1.10 | *DIN7 | 1FD4 | S10;P1.22  S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S17;P1.30#  S20;P1.10  S21;P1.22  S22;P1.22  S23;P1.10 |
| S20;P1.12 | WRITE | 1SLLAWRITE | S16;P1.38  S18;P1.30#  S20;P1.12  S21;P1.12  S22;P1.12  S23;P1.12 |
| S20;P1.13 | END2 | 1PSEND2 | S14;P1.39#  S20;P1.13  S21;P1.13  S22;P1.13  S23;P1.13 |
| S20;P1.14 | END1 | 1PSEND1 | S14;P1.56#  S20;P1.14  S21;P1.14  S22;P1.14  S23;P1.14 |
| S20;P1.15 | END0 | 1PSEND0 | S14;P1.53#  S20;P1.15  S21;P1.15  S22;P1.15  S23;P1.15 |
| S20;P1.16 | END3 | 1PSEND3 | S14;P1.40#  S20;P1.16  S21;P1.16  S22;P1.16  S23;P1.16 |
| S20;P1.17 | END4 | 1PSEND4 | S14;P1.46#  S20;P1.17  S21;P1.17  S22;P1.17  S23;P1.17 |
| S20;P1.18 | ENDF0 | 1LA3PUP | S20;P1.18  S20;P1.44  S20;P1.45  S20;P1.46 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S20;P1.19 | ENDF1 | 1LA3PUP | S20;P1.18  S20;P1.19  S20;P1.44  S20;P1.45  S20;P1.46 |
| S20;P1.20 | ELSEROUT1 | 1LA3ELSER1 | S20;P1.20  S22;P1.24 |
| S20;P1.22 | *DIN6 | 1FD5 | S10;P1.19  S11;P1.19  S12;P1.19  S13;P1.19  S14;P1.74#  S17;P1.34#  S18;P1.34#  S20;P1.22  S21;P1.22  S22;P1.22  S23;P1.22 |
| S20;P1.23 | SEROUT | 1LA3SEROUT | S20;P1.23  S22;P1.57  S22;P1.3  S23;P1.3 |
| S20;P1.24 | ELSERIN1 | 1LAOELSERO | S20;P1.24  S20;P1.25  S21;P1.25  S22;P1.25  S23;P1.25 |
| S20;P1.25 | *FIRSTSPAN | *1SLFIRST | S16;P1.60  S20;P1.25 |
| S20;P1.26 | ELSEROUT2 | 1LA3ELSER2 | S20;P1.26  S20;P1.29 |
| S20;P1.28 | ELSERINO | 1SLSERLINK | S20;P1.28  S20;P1.28 |
| S20;P1.29 | ELSERIN2 | 1LAOELSER1 | S16;P1.28  S20;P1.29  S21;P1.30  S22;P1.30 |
| S20;P1.30 | *LASTSPAN | 1SLINCMSB | S20;P1.20  S20;P1.30  S63;P1.30  S63;P1.30  S23;P1.30 |
| S20;P1.34 | ELSEROUT3 | 1LA3ELSER3 | S20;P1.34  S22;P1.34 |
| S20;P1.35 | ELSERIN3 | 1LAOELSER2 | S20;P1.35  S22;P1.35  S63;P1.28  S63;P1.28 |
| S20;P1.36 | STF2 | 1LA3GND | S20;P1.36  S23;P1.26  S20;P1.6 |
| S20;P1.37 | ELSEROUT4 | 1LA3ELSER4 | S20;P1.37  S20;P1.41  S22;P1.47 |
| S20;P1.38 | ST2 | 1PSSTART2 | S20;P1.38  S20;P1.38  S21;P1.38  S22;P1.38  S23;P1.38 |
| S20;P1.39 | ST1 | 1PSSTART1 | S20;P1.39  S21;P1.39  S22;P1.39  S23;P1.39 |
| S20;P1.40 | STO | 1PSSTARTO | S20;P1.40  S21;P1.40  S22;P1.40  S23;P1.40 |
| S20;P1.41 |  | 1LA3GND | S20;P1.41  S20;P1.36  S20;P1.6 |
| S20;P1.42 | ST3 | 1PSSTART3 | S20;P1.42  S21;P1.42  S22;P1.42  S23;P1.42 |
| S20;P1.43 | ST4 | 1PSSTART4 | S20;P1.43  S21;P1.43  S22;P1.43  S23;P1.43 |
| S20;P1.44 | STFO | 1LA3PUP | S20;P1.18  S20;P1.19  S20;P1.44  S20;P1.45  S20;P1.46 |
| S20;P1.45 | STF1 | 1LA3PUP | S20;P1.18  S20;P1.19  S20;P1.44  S20;P1.45  S20;P1.46 |
| S20;P1.46 | PUP | 1LA3PUP | S20;P1.18  S20;P1.19  S20;P1.44  S20;P1.45  S20;P1.46 |
| S20;P1.47 | ELSERIN4 | 1LAOELSER3 | S20;P1.47  S23;P1.34  S63;P1.26 |
| S20;P1.48 | ELSEROUT5 | 1LA3ELSER5 | S20;P1.48  S23;P1.52 |
| S20;P1.49 | CLRINP | 1SLCLRINP | S16;P1.27  S20;P1.49  S21;P1.49  S22;P1.49  S23;P1.49 |
| S20;P1.50 | SELWRT | 1SLSELWRT | S20;P1.37  S20;P1.50  S21;P1.50  S22;P1.50  S23;P1.50 |
| S20;P1.52 | ELSERIN5 | 1LAOELSER4 | S20;P1.52  S23;P1.37  S63;P1.24 |
| S20;P1.53 | ELSERIN6 | 1LAOELSER5 | S20;P1.53  S23;P1.48  S63;P1.22 |
| S20;P1.54 | ELSEROUT6 | 1LA3ELSER6 | S20;P1.54  S22;P1.53 |
| S20;P1.55 | *DEV | *1EFDEVB | S11;P1.72  S12;P1.72  S13;P1.72  S14;P1.13  S15;P1.30 |
| S20;P1.56 | ELSEROUT7 | 1LA3ELSER7 | S16;P1.79  S20;P1.55  S21;P1.55  S22;P1.55  S23;P1.55 |
| S20;P1.57 | SERIN | 1LAOELSER8 | S20;P1.56  S22;P1.56  S23;P1.56 |
| S20;P1.58 | LOADOUT | 1SLLOADLAOUT | S16;P1.43  S20;P1.57  S21;P1.58  S22;P1.58  S23;P1.58 |
| S20;P1.59 | *DIN8 | 1FD3 | S10;P1.24  S11;P1.24  S12;P1.24  S13;P1.24  S14;P1.76#  S17;P1.28# |
| S20;P1.62 | *DINO | 1FD14 | S10;P1.56  S11;P1.56  S12;P1.56  S13;P1.56  S14;P1.66#  S20;P1.62 |
| S20;P1.63 | ELSERIN7 | 1LAOELSER6 | S20;P1.63  S21;P1.62  S23;P1.59 |
| S20;P1.64 | ELSERIN8 | 1LAOELSER7 | S20;P1.64  S23;P1.64  S63;P1.29 |
| S20;P1.65 | POKEOUT | 1SLPOKELAOUT | S16;P1.42  S20;P1.65  S21;P1.65  S22;P1.65  S23;P1.65 |
| S20;P1.66 | ELSEROUT8 | 1LA3ELSER8 | S20;P1.66  S22;P1.64  S63;P1.27 |
| S20;P1.68 | CLKINP | 1LA3CLKINP | S20;P1.68  S20;P1.70 |
| S20;P1.70 | CLK | 1LA3CLKINP | S20;P1.68  S20;P1.70 |
| S20;P1.71 | GROUND | 1TW*CMCLK4 | S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71  S21;P1.71  S23;P1.71  S26;P1.21  S46;P1.21  S47;P1.11  S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80  S75;P1.1  S75;P1.21  S78;P1.21  S79;P1.31  S80;P1.71 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S20;P1.72 | *CLKINP | *CMCLK4 | S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80  S20;P1.72  S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.72  S20;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79  S71;P1.79  S74;P1.79  S75;P1.3  S75;P1.79  S78;P1.22  S79;P1.34  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S20;P1.73 | *DIN2 | 1FD15 | S10;P1.57  S11;P1.57  S12;P1.57  S13;P1.57  S14;P1.68#  S20;P1.73 |
| S20;P1.74 | *DIN1 | 1FD12 | S10;P1.73  S21;P1.73  S22;P1.73  S23;P1.73  S12;P1.73  S13;P1.59  S14;P1.67#  S20;P1.74 |
| S20;P1.75 | ADR2 | 1SLLAADR2 | S10;P1.59  S11;P1.59  S12;P1.59  S23;P1.59  S22;P1.75  S13;P1.59  S14;P1.59  S21;P1.75 |
| S20;P1.76 | *DIN3 | 1FD19 | S21;P1.76  S10;P1.78  S11;P1.78  S12;P1.78  S23;P1.76  S13;P1.78  S14;P1.69#  S20;P1.76 |
| S20;P1.77 | ADR4 | 1SLLAADR4 | S16;P1.24  S20;P1.77  S21;P1.77  S22;P1.77  S23;P1.77 |
| S20;P1.78 | ADR3 | 1SLLAADR3 | S16;P1.22  S20;P1.78  S21;P1.78  S22;P1.78  S23;P1.78 |
| S20;P1.79 | ADR5 | 1SLLAADR5 | S16;P1.36  S20;P1.79  S21;P1.79  S22;P1.79  S23;P1.79 |
| S21;P1.2 | ELSEROUT0 | 1LA2ELSER0 | S21;P1.4 |
| S21;P1.3 | | +5V21 | S23;P1.28 |
| S21;P1.4 | | +5V21 | S21;P1.4 |
| S21;P1.5 | ADR1 | 1SLLAADR1 | S20;P1.5  S21;P1.5  S22;P1.5  S23;P1.5 |
| S21;P1.6 | ENDF2 | 1LA2GND | S21;P1.36  S21;P1.44  S21;P1.6  S22;P1.36 |
| S21;P1.7 | ADR0 | 1SLLAADR0 | S20;P1.7  S21;P1.7  S22;P1.7  S23;P1.7 |
| S21;P1.8 | *DIN4 | 1FD18 | S11;P1.75  S12;P1.75  S14;P1.75#  S20;P1.8 |
| S21;P1.9 | *DIN5 | 1FD17 | S22;P1.8  S23;P1.8  S14;P1.77#  S20;P1.9 |
| S21;P1.10 | *DIN7 | 1FD4 | S11;P1.62  S12;P1.62  S13;P1.62 |
| S21;P1.12 | WRITE | 1SLLAWRITE | S22;P1.9  S23;P1.9 |
| S21;P1.13 | END2 | 1PSEND2 | S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S17;P1.30# |
| S21;P1.14 | END1 | 1PSEND1 | S20;P1.10  S22;P1.10  S23;P1.10 |
| S21;P1.15 | END0 | 1PSEND0 | S18;P1.30#  S20;P1.12  S21;P1.12  S22;P1.12  S23;P1.12 |
| S21;P1.16 | END3 | 1PSEND3 | S16;P1.38  S20;P1.13  S21;P1.13  S22;P1.13  S23;P1.13 |
| S21;P1.17 | END4 | 1PSEND4 | S14;P1.39#  S20;P1.14  S21;P1.14  S22;P1.14  S23;P1.14 |
| S21;P1.18 | ENDF0 | 1LA2GND | S14;P1.56#  S20;P1.15  S21;P1.15  S22;P1.15  S23;P1.15 |
| S21;P1.19 | ENDF1 | 1LA2PUP | S14;P1.53#  S20;P1.16  S21;P1.16  S22;P1.16  S23;P1.16 |
| S21;P1.20 | ELSEROUT1 | 1LA2ELSER1 | S14;P1.40#  S20;P1.17  S21;P1.17  S22;P1.17  S23;P1.17 |
| S21;P1.22 | *DIN6 | 1FD5 | S14;P1.46#  S21;P1.36  S21;P1.41  S21;P1.44  S21;P1.6  S22;P1.36 |
| S21;P1.23 | SEROUT | 1LA2SEROUT | S21;P1.36  S21;P1.45  S21;P1.46 |
| S21;P1.24 | ELSERIN1 | 1LA1ELSER1 | S21;P1.19  S21;P1.20  S23;P1.24 |
| S21;P1.25 | *FIRSTSPAN | *1SLFIRST | S16;P1.60  S16;P1.22  S11;P1.19  S12;P1.19  S13;P1.19  S14;P1.74#  S17;P1.34# |
| S21;P1.26 | ELSEROUT2 | 1LA2ELSER2 | S21;P1.26  S21;P1.22  S22;P1.22  S23;P1.22 |
| S21;P1.28 | ELSERIN0 | 1LA1ELSER0 | S21;P1.28  S18;P1.34#  S10;P1.19  S11;P1.22 |
| S21;P1.29 | ELSERIN2 | 1LA1ELSER2 | S22;P1.26  S21;P1.24  S21;P1.23  S23;P1.23  S23;P1.57 |
| S21;P1.30 | *LASTSPAN | 1SLINCMSB | S16;P1.65  S21;P1.26  S21;P1.24  S22;P1.24  S22;P1.20  S23;P1.25  S22;P1.25  S23;P1.30 |
| S21;P1.34 | ELSEROUT3 | 1LA2ELSER3 | S21;P1.34  S16;P1.60  S16;P1.22  S20;P1.25  S23;P1.29 |
| S21;P1.35 | ELSERIN3 | 1LA1ELSER3 | S22;P1.35  S21;P1.28  S21;P1.3  S22;P1.3  S64;P1.23  S64;P1.28  S23;P1.25 |
| S21;P1.36 | STF2 | 1LA2GND | S21;P1.18  S22;P1.26  S21;P1.29  S22;P1.28  S64;P1.28  S20;P1.30  S21;P1.30  S22;P1.30  S23;P1.30 |
| S21;P1.37 | ELSEROUT4 | 1LA2ELSER4 | S23;P1.47  S16;P1.65  S14;P1.65  S21;P1.44  S16;P1.26  S64;P1.26  S21;P1.6 |
| S21;P1.38 | ST2 | 1PSSTART2 | S14;P1.42#  S20;P1.38  S21;P1.38  S22;P1.38  S23;P1.38 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S21;P1.39 | ST1 | 1PSSTART1 | S14;P1.63#  S20;P1.39  S21;P1.39  S22;P1.39  S23;P1.39 |
| S21;P1.40 | ST0 | 1PSSTART0 | S14;P1.64#  S20;P1.40  S21;P1.40  S22;P1.40  S23;P1.40 |
| S21;P1.41 | | 1LA2GND | S21;P1.18  S21;P1.36  S21;P1.41  S21;P1.44  S21;P1.6  S22;P1.36 |
| S21;P1.42 | ST3 | 1PSSTART3 | S14;P1.38#  S20;P1.42  S21;P1.42  S22;P1.42  S23;P1.42 |
| S21;P1.43 | ST4 | 1PSSTART4 | S14;P1.44#  S20;P1.43  S21;P1.43  S22;P1.43  S23;P1.43  S22;P1.36 |
| S21;P1.44 | STF0 | 1LA2GND | S21;P1.18  S21;P1.36  S21;P1.41  S21;P1.44  S21;P1.6 |
| S21;P1.45 | STF1 | 1LA2PUP | S21;P1.19  S21;P1.45  S21;P1.46 |
| S21;P1.46 | PUP | 1LA2PUP | S21;P1.19  S21;P1.45  S21;P1.46 |
| S21;P1.47 | ELSERIN4 | 1LA1ELSER4 | S21;P1.47  S22;P1.37  S21;P1.46 |
| S21;P1.48 | ELSEROUT5 | 1LA2ELSER5 | S21;P1.48  S23;P1.52  S21;P1.37  S22;P1.37 |
| S21;P1.49 | CLRINP | 1SLCLRINP | S16;P1.27  S20;P1.49  S21;P1.49  S22;P1.49  S23;P1.49 |
| S21;P1.50 | SELWRT | 1SLSELWRT | S16;P1.37  S20;P1.50  S21;P1.50  S22;P1.50  S23;P1.50 |
| S21;P1.52 | ELSERIN5 | 1LA1ELSER5 | S21;P1.52  S22;P1.48  S64;P1.22 |
| S21;P1.53 | ELSERIN6 | 1LA1ELSER6 | S21;P1.53  S22;P1.54  S64;P1.29 |
| S21;P1.54 | ELSEROUT6 | 1LA2ELSER6 | S21;P1.54  S23;P1.53 |
| S21;P1.55 | *DEV | *1EFDEVB | S10;P1.72  S11;P1.72  S12;P1.72  S13;P1.72  S14;P1.13  S15;P1.30 |
| S21;P1.56 | ELSEROUT7 | 1LA2ELSER7 | S16;P1.79  S20;P1.55  S21;P1.55  S22;P1.55  S23;P1.55 |
| S21;P1.57 | SERIN | 1LA1SEROUT | S21;P1.56  S23;P1.63 |
| S21;P1.58 | LOADOUT | 1SLLOADLAOUT | S21;P1.57  S22;P1.23 |
| S21;P1.59 | *DIN8 | 1FD3 | S16;P1.43  S20;P1.58  S21;P1.58  S22;P1.58  S23;P1.58  S17;P1.28# |
| S21;P1.62 | *DIN0 | 1FD14 | S18;P1.28#  S11;P1.24  S13;P1.24  S14;P1.76#  S23;P1.59  S14;P1.66# |
| S21;P1.63 | ELSERIN7 | 1LA1ELSER7 | S10;P1.56  S21;P1.59  S12;P1.56  S13;P1.56  S14;P1.66#  S20;P1.62 |
| S21;P1.64 | ELSERIN8 | 1LA1ELSER8 | S21;P1.62  S22;P1.56  S23;P1.62 |
| S21;P1.65 | POKEOUT | 1SLPOKELAOUT | S21;P1.63  S22;P1.56  S64;P1.27 |
| S21;P1.66 | ELSEROUT8 | 1LA2ELSER8 | S21;P1.64  S22;P1.66  S20;P1.65  S64;P1.25 |
| S21;P1.68 | CLKINP | 1LA2CLKINP | S16;P1.42  S20;P1.65  S23;P1.64  S21;P1.65  S22;P1.65  S23;P1.65 |
| S21;P1.70 | CLK | 1LA2CLKINP | S21;P1.66  S23;P1.64  S21;P1.70 |
| S21;P1.71 | GROUND | 1TW*CMCLK4 | S21;P1.68  S21;P1.68  S21;P1.70  S21;P1.70  S10;P1.80  S11;P1.80 |
| | | | S21;P1.71  S22;P1.71  S6;P1.80  S70;P1.80  S16;P1.71  S46;P1.21  S71;P1.80  S7;P1.80  S20;P1.71  S47;P1.11  S74;P1.80  S80;P1.71 |
| S21;P1.72 | *CLKINP | *CMCLK4 | S5;P1.61  S69;P1.61  S6;P1.21  S26;P1.21  S79;P1.31  S12;P1.80 |
| | | | S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.21  S87;P1.71  S20;P1.72  S70;P1.79  S79;P1.34  S87;P1.72  S20;P1.73 |
| | | | S84;P1.71  S85;P1.71  S86;P1.71  S14;P1.22  S15;P1.34  S16;P1.72 |
| S21;P1.73 | *DIN2 | 1FD15 | S10;P1.79  S11;P1.79  S14;P1.79  S23;P1.72  S46;P1.19  S6;P1.79  S78;P1.22  S79;P1.79 |
| | | | S21;P1.72  S23;P1.72  S75;P1.3  S85;P1.72  S86;P1.72  S87;P1.72 |
| S21;P1.74 | *DIN1 | 1FD12 | S71;P1.79  S74;P1.79  S84;P1.72  S75;P1.72  S20;P1.74 |
| | | | S7;P1.79  S80;P1.72  S12;P1.57  S13;P1.57  S14;P1.68# |
| S21;P1.75 | ADR2 | 1SLLAADR2 | S10;P1.57  S21;P1.73  S23;P1.73  S12;P1.59  S13;P1.59  S14;P1.67# |
| S21;P1.76 | *DIN3 | 1FD19 | S10;P1.59  S21;P1.74  S22;P1.74  S23;P1.74  S20;P1.74 |
| S21;P1.77 | ADR4 | 1SLLAADR4 | S16;P1.19  S20;P1.75  S22;P1.75  S13;P1.75  S23;P1.75 |
| S21;P1.78 | ADR3 | 1SLLAADR3 | S10;P1.78  S11;P1.78  S12;P1.78  S13;P1.78  S14;P1.69# |
| S21;P1.79 | ADR5 | 1SLLAADR5 | S21;P1.76  S22;P1.76  S23;P1.76  S20;P1.76 |
| S22;P1.2 | | +5V22 | S16;P1.24  S21;P1.77  S22;P1.77  S23;P1.77 |
| | | | S16;P1.22  S21;P1.78  S22;P1.78  S23;P1.78 |
| | | | S16;P1.36  S21;P1.79  S22;P1.79  S23;P1.79 |
| | | | S22;P1.2  S22;P1.4 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | |
|---|---|---|---|---|---|---|---|
| S22;P1.3 | ELSEROUT0 | 1LA1ELSER0 | S21;P1.28 | S22;P1.3 | S64;P1.23 | | |
| S22;P1.4 | | +5V22 | S22;P1.2 | S22;P1.4 | | | |
| S22;P1.5 | ADR1 | 1SLLAADR1 | S16;P1.17 | S20;P1.5 | S21;P1.5 | S22;P1.5 | S23;P1.5 |
| S22;P1.6 | ENDF2 | 1LA1GND | S22;P1.19 | S22;P1.41 | S22;P1.6 | | |
| S22;P1.7 | ADR0 | 1SLLAADR0 | S16;P1.15 | S20;P1.7 | S21;P1.7 | S22;P1.7 | S23;P1.7 |
| S22;P1.8 | *DIN4 | 1FD18 | S10;P1.75 | S11;P1.75 | S12;P1.75 | S13;P1.75 | S14;P1.75# · S20;P1.8 |
| S22;P1.9 | *DIN5 | 1FD17 | S10;P1.62 | S11;P1.62 | S12;P1.62 | S13;P1.62 | S14;P1.77# · S20;P1.9 |
| S22;P1.10 | *DIN7 | 1FD4 | S10;P1.22 | S11;P1.22 | S12;P1.22 | S14;P1.73# | S18;P1.30# · S17;P1.30# |
| S22;P1.12 | WRITE | 1SLLAWRITE | S16;P1.38 | S20;P1.12 | S21;P1.12 | S22;P1.12 | S23;P1.12 |
| S22;P1.13 | END2 | 1PSEND2 | S14;P1.39# | S20;P1.13 | S21;P1.13 | S22;P1.13 | S23;P1.13 |
| S22;P1.14 | END1 | 1PSEND1 | S14;P1.56# | S20;P1.14 | S21;P1.14 | S22;P1.14 | S23;P1.14 |
| S22;P1.15 | END0 | 1PSEND0 | S14;P1.53# | S20;P1.15 | S21;P1.15 | S22;P1.15 | S23;P1.15 |
| S22;P1.16 | END3 | 1PSEND3 | S14;P1.40# | S20;P1.16 | S21;P1.16 | S22;P1.16 | S23;P1.16 |
| S22;P1.17 | END4 | 1PSEND4 | S14;P1.46# | S20;P1.17 | S21;P1.17 | S22;P1.17 | S23;P1.17 |
| S22;P1.18 | ENDF0 | 1LA1PUP | S22;P1.18 | S22;P1.44 | S22;P1.46 | S22;P1.6 | |
| S22;P1.19 | ENDF1 | 1LA1GND | S22;P1.19 | S22;P1.41 | S22;P1.45 | | |
| S22;P1.20 | ELSEROUT1 | 1LA1ELSER1 | S21;P1.24 | S11;P1.20 | S22;P1.30 | | |
| S22;P1.22 | *DIN6 | 1FD5 | S10;P1.19 | S11;P1.19 | S12;P1.22 | S14;P1.74# | S18;P1.34# · S17;P1.34# |
| S22;P1.23 | SEROUT | 1LA1SEROUT | S21;P1.57 | S22;P1.23 | | | |
| S22;P1.24 | ELSERIN1 | 1LA3ELSER1 | S20;P1.20 | S22;P1.24 | S64;P1.24 | | |
| S22;P1.25 | *FIRSTSPAN | *1SLFIRST | S16;P1.60 | S21;P1.25 | S22;P1.25 | S23;P1.25 | |
| S22;P1.26 | ELSEROUT2 | 1LA1ELSER2 | S21;P1.29 | S22;P1.26 | S64;P1.28 | | |
| S22;P1.28 | ELSERIN0 | 1LA3ELSER0 | S20;P1.3 | S22;P1.28 | S64;P1.26 | | |
| S22;P1.29 | ELSERIN2 | 1LA3ELSER2 | S22;P1.26 | S22;P1.29 | | | |
| S22;P1.30 | *LASTSPAN | 1SLINCMSB | S14;P1.65 | S22;P1.34 | S20;P1.30 | S64;P1.26 | S23;P1.30 |
| S22;P1.34 | ELSEROUT3 | 1LA1ELSER3 | S21;P1.35 | S22;P1.35 | S64;P1.34 | | |
| S22;P1.35 | ELSERIN3 | 1LA3ELSER3 | S20;P1.34 | S21;P1.36 | S22;P1.35 | | |
| S22;P1.36 | STF2 | 1LA2GND | S21;P1.18 | S64;P1.24 | S22;P1.36 | | |
| S22;P1.37 | ELSEROUT4 | 1LA1ELSER4 | S21;P1.47 | S22;P1.37 | S64;P1.45 | | |
| S22;P1.38 | ST2 | 1PSSTART2 | S14;P1.42# | S20;P1.38 | S21;P1.38 | S22;P1.38 | S23;P1.38 |
| S22;P1.39 | ST1 | 1PSSTART1 | S14;P1.63# | S20;P1.39 | S21;P1.39 | S22;P1.39 | S23;P1.39 |
| S22;P1.40 | ST0 | 1PSSTART0 | S14;P1.64# | S20;P1.40 | S21;P1.40 | S22;P1.40 | S23;P1.40 |
| S22;P1.41 | | 1LA1GND | S22;P1.19 | S22;P1.41 | S22;P1.45 | S22;P1.6 | |
| S22;P1.42 | ST3 | 1PSSTART3 | S14;P1.38# | S20;P1.42 | S21;P1.42 | S22;P1.42 | S23;P1.42 |
| S22;P1.43 | ST4 | 1PSSTART4 | S14;P1.44# | S20;P1.43 | S21;P1.43 | S22;P1.43 | S23;P1.43 |
| S22;P1.44 | STF0 | 1LA1PUP | S22;P1.18 | S22;P1.44 | S22;P1.46 | S22;P1.6 | |
| S22;P1.45 | STF1 | 1LA1GND | S22;P1.19 | S22;P1.41 | S22;P1.45 | S22;P1.6 | |
| S22;P1.46 | PUP | 1LA1PUP | S22;P1.18 | S22;P1.44 | S22;P1.46 | S22;P1.6 | |
| S22;P1.47 | ELSERIN4 | 1LA3ELSER4 | S20;P1.37 | S22;P1.47 | S64;P1.47 | | |
| S22;P1.48 | ELSEROUT5 | 1LA1ELSER5 | S21;P1.52 | S22;P1.48 | S64;P1.48 | | |
| S22;P1.49 | CLRINP | 1SLCLRINP | S16;P1.27 | S20;P1.49 | S21;P1.49 | S22;P1.49 | S23;P1.49 |
| S22;P1.50 | SELWRT | 1SLSELWRT | S16;P1.37 | S20;P1.50 | S21;P1.50 | S22;P1.50 | S23;P1.50 |
| S22;P1.52 | ELSERIN5 | 1LA3ELSER5 | S20;P1.48 | S22;P1.52 | | | |
| S22;P1.53 | ELSERIN6 | 1LA3ELSER6 | S20;P1.54 | S21;P1.53 | S22;P1.54 | | |
| S22;P1.54 | ELSEROUT6 | 1LA1ELSER6 | S21;P1.53 | S22;P1.54 | S64;P1.29 | | |
| S22;P1.55 | *DEV | *1EFDEVB | S10;P1.72 | S11;P1.72 | S12;P1.72 | S13;P1.72 | S14;P1.13 · S15;P1.30 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S22;P1.56 | ELSEROUT7 | 1LA1ELSER7 | S16;P1.79  S20;P1.55  S21;P1.55  S22;P1.55  S23;P1.55 |
| S22;P1.57 | SERIN | 1LA3SEROUT | S21;P1.63  S20;P1.56  S22;P1.56  S64;P1.27  S64;P1.27 |
| S22;P1.58 | LOADOUT | 1SLLOADLAOUT | S20;P1.23  S22;P1.57  S22;P1.57 |
| S22;P1.59 | *DIN8 | 1FD3 | S16;P1.43  S10;P1.24  S11;P1.24  S12;P1.24  S13;P1.24  S14;P1.76#  S20;P1.58  S21;P1.58  S22;P1.58  S23;P1.58  S18;P1.28#  S17;P1.28# |
| S22;P1.62 | *DIN0 | 1FD14 | S10;P1.56  S11;P1.56  S12;P1.56  S13;P1.56  S14;P1.66#  S20;P1.62  S21;P1.62  S22;P1.62  S23;P1.62 |
| S22;P1.63 | ELSERIN7 | 1LA3ELSER7 | S20;P1.56  S22;P1.63 |
| S22;P1.64 | ELSERIN8 | 1LA3ELSER8 | S22;P1.66  S22;P1.64 |
| S22;P1.65 | POKEOUT | 1SLPOKELAOUT | S16;P1.42  S20;P1.65  S21;P1.65  S22;P1.65  S23;P1.65  S64;P1.25 |
| S22;P1.66 | ELSEROUT8 | 1LA1ELSER8 | S21;P1.64  S22;P1.66 |
| S22;P1.68 | CLKINP | 1LA1CLKINP | S22;P1.68  S22;P1.70 |
| S22;P1.70 | CLK | 1LA1CLKINP | S22;P1.68  S22;P1.70 |
| S22;P1.71 | GROUND | 1TW*CMCLK4 | S5;P1.61  S69;P1.61  S75;P1.1  S75;P1.80  S84;P1.71  S85;P1.71  S11;P1.80  S21;P1.71  S14;P1.21  S23;P1.71  S6;P1.80  S78;P1.21  S86;P1.71  S15;P1.31  S26;P1.71  S70;P1.80  S79;P1.31  S87;P1.71  S16;P1.71  S46;P1.21  S71;P1.80  S7;P1.80  S12;P1.80  S20;P1.71  S47;P1.11  S74;P1.80  S80;P1.71 |
| S22;P1.72 | *CLKINP | *CMCLK4 | S10;P1.79  S71;P1.79  S7;P1.79  S21;P1.72  S75;P1.79  S79;P1.79  S15;P1.34  S46;P1.19  S85;P1.72  S16;P1.79  S6;P1.79  S78;P1.22  S86;P1.72  S84;P1.71  S75;P1.3  S84;P1.72  S20;P1.72  S70;P1.79  S79;P1.34  S87;P1.72 |
| S22;P1.73 | *DIN2 | 1FD15 | S10;P1.57  S11;P1.57  S12;P1.57  S13;P1.57  S14;P1.68#  S20;P1.73  S21;P1.73  S22;P1.73  S23;P1.73  S16;P1.68# |
| S22;P1.74 | *DIN1 | 1FD12 | S10;P1.59  S11;P1.59  S12;P1.59  S13;P1.59  S14;P1.67#  S20;P1.74  S21;P1.74  S22;P1.74  S23;P1.74  S16;P1.67# |
| S22;P1.75 | ADR2 | 1SLLAADR2 | S16;P1.19  S20;P1.75  S21;P1.75  S22;P1.75  S23;P1.75  S14;P1.75# |
| S22;P1.76 | *DIN3 | 1FD19 | S10;P1.78  S11;P1.78  S12;P1.78  S13;P1.78  S14;P1.69#  S20;P1.76  S21;P1.76  S22;P1.76  S23;P1.76  S16;P1.69# |
| S22;P1.77 | ADR4 | 1SLLAADR4 | S16;P1.24  S20;P1.77  S21;P1.77  S22;P1.77  S23;P1.77 |
| S22;P1.78 | ADR3 | 1SLLAADR3 | S16;P1.22  S20;P1.78  S21;P1.78  S22;P1.78  S23;P1.78 |
| S22;P1.79 | ADR5 | 1SLLAADR5 | S16;P1.36  S20;P1.79  S21;P1.79  S22;P1.79  S23;P1.79 |
| S23;P1.2 | +5V23 | +5V23 | S23;P1.2  S23;P1.4  S63;P1.23 |
| S23;P1.3 | ELSEROUT0 | 1LA0ELSER0 | S20;P1.24  S23;P1.3  S23;P1.4 |
| S23;P1.4 | +5V23 | +5V23 | S23;P1.2  S23;P1.4 |
| S23;P1.5 | ADR1 | 1SLLAADR1 | S16;P1.17  S20;P1.5  S21;P1.5  S22;P1.5  S23;P1.5 |
| S23;P1.6 | ENDF2 | 1LA0GND | S23;P1.18  S23;P1.19  S23;P1.36  S23;P1.41  S23;P1.44  S23;P1.45 |
| S23;P1.7 | ADR0 | 1SLLAADR0 | S16;P1.15  S20;P1.7  S21;P1.7  S22;P1.7  S23;P1.7 |
| S23;P1.8 | *DIN4 | 1FD18 | S10;P1.75  S11;P1.75  S12;P1.75  S13;P1.75  S14;P1.75#  S20;P1.8  S21;P1.8  S22;P1.8  S23;P1.8 |
| S23;P1.9 | *DIN5 | 1FD17 | S10;P1.62  S11;P1.62  S12;P1.62  S13;P1.62  S14;P1.77#  S20;P1.9  S21;P1.9  S22;P1.9  S23;P1.9 |
| S23;P1.10 | *DIN7 | 1FD4 | S10;P1.22  S11;P1.22  S12;P1.22  S13;P1.22  S14;P1.73#  S18;P1.30#  S20;P1.10  S21;P1.10  S22;P1.10  S23;P1.10  S17;P1.30# |
| S23;P1.12 | WRITE | 1SLLAWRITE | S16;P1.38  S20;P1.12  S21;P1.12  S22;P1.12  S23;P1.12 |
| S23;P1.13 | END2 | 1PSEND2 | S14;P1.39#  S20;P1.13  S21;P1.13  S22;P1.13  S23;P1.13 |
| S23;P1.14 | END1 | 1PSEND1 | S14;P1.56#  S20;P1.14  S21;P1.14  S22;P1.14  S23;P1.14 |
| S23;P1.15 | END0 | 1PSEND0 | S14;P1.53#  S20;P1.15  S21;P1.15  S22;P1.15  S23;P1.15 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S23;P1.16 | END3 | 1PSEND3 | S14;P1.40#  S20;P1.16  S21;P1.16  S22;P1.16 |
| S23;P1.17 | END4 | 1PSEND4 | S14;P1.46#  S20;P1.17  S21;P1.17  S22;P1.17 |
| S23;P1.18 | ENDF0 | 1LA0GND | S23;P1.18  S23;P1.19  S23;P1.36  S23;P1.41  S23;P1.44  S23;P1.45  S23;P1.6 |
| S23;P1.19 | ENDF1 | 1LA0GND | S23;P1.18  S23;P1.19  S23;P1.36  S23;P1.41  S23;P1.44  S23;P1.45  S23;P1.6 |
| S23;P1.20 | ELSEROUT1 | 1LA0ELSER1 | S23;P1.29  S23;P1.20  S63;P1.30  S13;P1.19  S14;P1.74#  S17;P1.34# |
| S23;P1.22 | *DIN6 | 1FD5 | S10;P1.19  S11;P1.19  S12;P1.19  S18;P1.34#  S20;P1.22  S21;P1.22  S22;P1.22  S23;P1.22 |
| S23;P1.23 | SEROUT | 1LA0SEROUT | S23;P1.23 |
| S23;P1.24 | ELSERIN1 | 1LA2ELSER1 | S14;P1.25  S20;P1.25  S21;P1.20  S23;P1.24 |
| S23;P1.25 | *FIRSTSPAN | *1SLFIRST | S16;P1.25  S20;P1.25  S21;P1.25  S22;P1.25  S23;P1.25  S63;P1.28 |
| S23;P1.26 | ELSEROUT2 | 1LA0ELSER2 | S16;P1.60  S23;P1.26  S63;P1.26 |
| S23;P1.28 | ELSERIN0 | 1LA2ELSER0 | S20;P1.35  S23;P1.28 |
| S23;P1.29 | ELSERIN2 | 1LA2ELSER2 | S21;P1.3  S23;P1.29 |
| S23;P1.30 | *LASTSPAN | 1SLINCMSB | S21;P1.26  S16;P1.44  S20;P1.30  S22;P1.30  S23;P1.30 |
| S23;P1.34 | ELSEROUT3 | 1LA0ELSER3 | S14;P1.65  S20;P1.47  S23;P1.34  S63;P1.26 |
| S23;P1.35 | ELSERIN3 | 1LA2ELSER3 | S21;P1.34  S23;P1.35 |
| S23;P1.36 | STF2 | 1LA0GND | S23;P1.18  S23;P1.19  S23;P1.36  S23;P1.41  S23;P1.44  S23;P1.45  S23;P1.6 |
| S23;P1.37 | ELSEROUT4 | 1LA0ELSER4 | S20;P1.52  S23;P1.52  S63;P1.24  S22;P1.38  S23;P1.38 |
| S23;P1.38 | ST2 | 1PSSTART2 | S14;P1.42#  S20;P1.38  S21;P1.39  S22;P1.39 |
| S23;P1.39 | ST1 | 1PSSTART1 | S14;P1.63#  S20;P1.39  S21;P1.40  S22;P1.40 |
| S23;P1.40 | ST0 | 1PSSTART0 | S14;P1.64#  S20;P1.40  S21;P1.40  S22;P1.40 |
| S23;P1.41 |  | 1LA0GND | S23;P1.18  S23;P1.19  S23;P1.36  S23;P1.41  S23;P1.44  S23;P1.45  S23;P1.6 |
| S23;P1.42 | ST3 | 1PSSTART3 | S14;P1.38#  S20;P1.42  S21;P1.42  S22;P1.42 |
| S23;P1.43 | ST4 | 1PSSTART4 | S14;P1.44#  S20;P1.43  S21;P1.43  S22;P1.43 |
| S23;P1.44 | STF0 | 1LA0GND | S23;P1.18  S23;P1.19  S23;P1.36  S23;P1.41  S23;P1.44  S23;P1.45  S23;P1.6 |
| S23;P1.45 | STF1 | 1LA0GND | S23;P1.18  S23;P1.19  S23;P1.36  S23;P1.41  S23;P1.44  S23;P1.45  S23;P1.6 |
| S23;P1.47 | ELSERIN4 | 1LA2ELSER4 | S21;P1.37  S21;P1.47  S23;P1.47 |
| S23;P1.48 | ELSEROUT5 | 1LA0ELSER5 | S20;P1.53  S23;P1.48  S63;P1.22  S21;P1.49  S22;P1.49  S23;P1.49 |
| S23;P1.49 | CLRINP | 1SLCLRINP | S16;P1.27  S20;P1.49  S21;P1.49  S22;P1.49 |
| S23;P1.50 | SELWRT | 1SLSEIWRT | S16;P1.37  S20;P1.50  S21;P1.50  S22;P1.50 |
| S23;P1.52 | ELSERIN5 | 1LA2ELSER5 | S21;P1.48  S23;P1.52 |
| S23;P1.53 | ELSEROUT6 | 1LA0ELSER6 | S23;P1.54  S23;P1.53 |
| S23;P1.54 | *DEV | *1EFDEVB | S20;P1.63  S23;P1.54  S63;P1.29  S13;P1.72  S14;P1.13  S15;P1.30 |
| S23;P1.55 | ELSEROUT7 | 1LA0ELSER7 | S10;P1.72  S11;P1.72  S12;P1.72  S16;P1.79  S20;P1.55  S21;P1.55  S22;P1.55  S23;P1.55 |
| S23;P1.56 | SERIN | 1LA2SEROUT | S20;P1.64  S23;P1.56  S63;P1.27  S21;P1.27 |
| S23;P1.57 | LOADOUT | 1SLLOADLAOUT | S21;P1.23  S23;P1.57 |
| S23;P1.58 | *DIN8 | 1FD3 | S16;P1.43  S20;P1.58  S21;P1.58  S22;P1.58  S23;P1.58  S14;P1.76#  S17;P1.28# |
| S23;P1.59 | *DIN0 | 1FD14 | S10;P1.24  S18;P1.28#  S11;P1.24  S12;P1.24  S13;P1.24  S20;P1.59  S21;P1.59  S22;P1.59  S23;P1.59 |
| S23;P1.62 | *DIN0 | 1FD14 | S10;P1.56  S11;P1.56  S12;P1.56  S13;P1.56  S20;P1.62  S21;P1.62  S22;P1.62  S23;P1.62 |
| S23;P1.63 | ELSERIN7 | 1LA2ELSER7 | S21;P1.62  S23;P1.63 |
| S23;P1.64 | ELSERIN8 | 1LA2ELSER8 | S21;P1.56  S21;P1.66  S23;P1.64 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S23;P1.65 | POKEOUT | 1SLPOKELAOUT | S16;P1.42  S20;P1.65  S21;P1.65  S22;P1.65  S23;P1.65 |
| S23;P1.66 | ELSEROUT8 | 1LA0ELSER8 | S20;P1.57  S23;P1.66  S63;P1.25 |
| S23;P1.68 | CLKINP | 1LA0CLKINP | S23;P1.68  S23;P1.70 |
| S23;P1.70 | CLK | 1LA0CLKINP | S23;P1.68  S23;P1.70 |
| S23;P1.71 | GROUND | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71<br>S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.21  S46;P1.21  S47;P1.11<br>S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80<br>S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71<br>S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80 |
| S23;P1.72 | *CLKINP | *CMCLK4 | S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.72  S20;P1.72<br>S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79<br>S71;P1.79  S74;P1.79  S75;P1.3  S78;P1.22  S79;P1.34<br>S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S23;P1.73 | *DIN2 | 1FD15 | S10;P1.57  S11;P1.57  S12;P1.57  S13;P1.57  S14;P1.68#  S20;P1.73<br>S21;P1.73  S22;P1.73  S23;P1.73 |
| S23;P1.74 | *DIN1 | 1FD12 | S10;P1.59  S11;P1.59  S12;P1.59  S13;P1.59  S14;P1.67#  S20;P1.74<br>S21;P1.74  S22;P1.74  S23;P1.74 |
| S23;P1.75 | ADR2 | 1SLLAADR2 | S16;P1.19  S20;P1.75  S21;P1.75  S22;P1.75  S23;P1.75 |
| S23;P1.76 | *DIN3 | 1FD19 | S10;P1.78  S11;P1.78  S12;P1.78  S13;P1.78  S14;P1.69#  S20;P1.76<br>S21;P1.76  S22;P1.76  S23;P1.76 |
| S23;P1.77 | ADR4 | 1SLLAADR4 | S16;P1.24  S20;P1.24  S21;P1.77  S22;P1.77  S23;P1.77 |
| S23;P1.78 | ADR3 | 1SLLAADR3 | S16;P1.22  S20;P1.22  S21;P1.78  S22;P1.78  S23;P1.78 |
| S23;P1.79 | ADR5 | 1SLLAADR5 | S16;P1.36  S20;P1.79  S21;P1.79  S22;P1.79  S23;P1.79 |
| S24;P1.3 | +15VIN | +15V1 | B100;P1.48  S24;P1.3 |
| S24;P1.4 | GROUNDA | AGND1 | B101;P1.47  S24;P1.4 |
| S24;P1.5 | LDLIGHT | 1ACLDLIGHT | S19;P1.12#  S24;P1.5 |
| S24;P1.6 | -15VIN | -15V1 | B102;P1.47  S24;P1.6 |
| S24;P1.7 | DDXB0 | 1OSLB0 | S1;P1.64#  S24;P1.7 |
| S24;P1.8 | DDXB1 | 1OSLB1 | S1;P1.66#  S24;P1.8 |
| S24;P1.9 | AISEROUT | 1AISEROUT | S24;P1.9#  S26;P1.68 |
| S24;P1.10 | DDXB7 | 1OSLB7 | S1;P1.80#  S24;P1.10 |
| S24;P1.12 | DDXB4 | 1OSLB4 | S1;P1.74#  S24;P1.12 |
| S24;P1.13 | DDXB3 | 1OSLB3 | S1;P1.70#  S24;P1.13 |
| S24;P1.14 | DDXB6 | 1OSLB6 | S1;P1.78#  S24;P1.14 |
| S24;P1.15 | DDXB5 | 1OSLB5 | S1;P1.76#  S24;P1.15 |
| S24;P1.16 | DDXB2 | 1OSLB2 | S1;P1.68#  S24;P1.16 |
| S24;P1.17 | LOADK(J+1) | 1ACLOADK(JPLUS1) | S19;P1.58#  S24;P1.17 |
| S24;P1.18 | DDYA15 | 1DDYA15 | S17;P1.3  S18;P1.54#  S24;P1.18 |
| S24;P1.19 | ENABCTBETA | 1ACDRAWSURF | S16;P1.29  S19;P1.18#  S24;P1.19  S26;P1.74  S28;P1.74 |
| S24;P1.20 | LIGB | 1ACLIGB | S60;P1.29  S19;P1.64#  S24;P1.20  S5;P1.50 |
| S24;P1.22 | CTXTOY | 1ACCTXTOY | S19;P1.28#  S24;P1.22 |
| S24;P1.23 | DDXK4 | 1DDXK4 | S17;P1.74#  S24;P1.23 |
| S24;P1.24 | DDYK4 | 1DDYK4 | S18;P1.74#  S24;P1.24 |
| S24;P1.25 | *BETACARRY | *1AIBETACARRY | S19;P1.15  S24;P1.25# |
| S24;P1.26 | *LDBETA | *1ACLDBETA | S19;P1.23#  S24;P1.26 |
| S24;P1.28 | GROUNDA | 1TW1AIOUT1 | S24;P1.28  S30;P1.73  S32;P1.73 |
| S24;P1.29 | AIOUT1 | 1AIOUT1 | S24;P1.29  S30;P1.74 |
| S24;P1.30 | AIOUT2 | 1AIOUT2 | S24;P1.30  S32;P1.74 |
| S24;P1.33 | BETA3 | 1SD0BETA3 | S24;P1.33  S30;P1.7# |

20011610AO
SP1T DP

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S24;P1.34 | BETA4 | 1SD0BETA4 | S30;P1.34 |
| S24;P1.35 | BETA1 | 1SD0BETA1 | S24;P1.35  S30;P1.14# |
| S24;P1.36 | BETA2 | 1SD0BETA2 | S24;P1.36  S30;P1.13# |
| S24;P1.37 | LA0ELSER8 | 1TG0INT8 | S24;P1.37  S2;P1.43  S3;P1.43  S63;P1.12# |
| S24;P1.38 | LA1ELSER8 | 1TG1INT8 | S24;P1.38  S2;P1.45  S3;P1.45  S64;P1.12# |
| S24;P1.39 | LA1ELSER4 | 1TG1INT4 | S24;P1.39  S64;P1.7# |
| S24;P1.40 | LOADKI | 1ACLDKI | S19;P1.10#  S24;P1.40 |
| S24;P1.42 | LA0ELSER4 | 1TG0INT4 | S24;P1.42  S63;P1.7# |
| S24;P1.43 | LA0ELSER6 | 1TG0INT6 | S24;P1.43  S2;P1.42  S3;P1.42  S63;P1.16# |
| S24;P1.44 | LA1ELSER6 | 1TG1INT6 | S24;P1.44  S2;P1.44  S3;P1.44  S64;P1.16# |
| S24;P1.45 | LA1ELSER7 | 1TG1INT7 | S24;P1.45  S64;P1.14# |
| S24;P1.46 | LA0ELSER7 | 1TG0INT7 | S24;P1.46  S63;P1.14# |
| S24;P1.47 | LOADK(J) | 1ACLOADK(J) | S19;P1.57#  S24;P1.47 |
| S24;P1.48 | DDXK1 | 1DDXK1 | S17;P1.67#  S24;P1.48 |
| S24;P1.49 | LA0ELSER5 | 1TG0INT5 | S24;P1.49  S63;P1.5# |
| S24;P1.50 | LA1ELSER5 | 1TG1INT5 | S24;P1.50  S64;P1.5# |
| S24;P1.52 | DDYK3 | 1DDYK3 | S18;P1.69#  S24;P1.52 |
| S24;P1.53 | DDXK3 | 1DDXK3 | S17;P1.69#  S24;P1.53 |
| S24;P1.54 | YSEL | 1DDYYSEL | S18;P1.47#  S24;P1.54 |
| S24;P1.55 | DDYK2 | 1DDYK2 | S18;P1.70#  S24;P1.55 |
| S24;P1.56 | DDYK1 | 1DDYK1 | S18;P1.67#  S24;P1.56 |
| S24;P1.57 | DDXK2 | 1DDXK2 | S17;P1.70#  S24;P1.57 |
| S24;P1.58 | *ENABFD | *1ACENABFD | S19;P1.48#  S24;P1.58 |
| S24;P1.59 | LA0ELSER3 | 1TG0INT3 | S24;P1.59  S63;P1.9# |
| S24;P1.60 | LA1ELSER3 | 1TG1INT3 | S24;P1.60 |
| S24;P1.61 | GROUND | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.61  S26;P1.80  S28;P1.80  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71  S83;P1.41  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51  S96;P1.51 |
| S24;P1.62 | LA0ELSER2 | 1TG0INT2 | S24;P1.62  S63;P1.13# |
| S24;P1.63 | *FRCLK | *CMFRCLK | S46;P1.12  S46;P1.18  S88;P1.63 |
| S24;P1.64 | LA1ELSER2 | 1TG1INT2 | S24;P1.64  S64;P1.13# |
| S24;P1.65 | LA1ELSER0 | 1TG1INT0 | S24;P1.65  S64;P1.17# |
| S24;P1.66 | *BMAINT | *1SD0BMAINT | S17;P1.27  S18;P1.27  S24;P1.66  S26;P1.76  S28;P1.76  S30;P1.23# |
| S24;P1.67 | LA0ELSER1 | 1TG0INT1 | S24;P1.67  S63;P1.15# |
| S24;P1.68 | LA0ELSER0 | 1TG0INT0 | S24;P1.68  S63;P1.17# |
| S24;P1.69 | *CLK20MHZ | *CMCLK20MHZ | S5;P1.60  S46;P1.14  S69;P1.60  S88;P1.69 |
| S24;P1.70 | LA1ELSER1 | 1TG1INT1 | S24;P1.70  S64;P1.15# |
| S24;P1.71 | GROUND | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.71  S26;P1.80  S28;P1.80  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71  S83;P1.41  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51  S96;P1.51 |
| S24;P1.72 | *CLK | *CMCLK3 | S17;P1.72  S18;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79  S30;P1.52  S32;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42  S88;P1.72  S90;P1.79  S92;P1.79  S94;P1.52  S96;P1.52  S30;P1.33 |
| S24;P1.73 | DDXA15 | 1DDXA15 | S17;P1.6  S17;P1.54#  S24;P1.73 |
| S24;P1.74 | DDYA7 | 1DDYA7 | S18;P1.6  S18;P1.45#  S24;P1.74 |
| S24;P1.75 | *SHIFTB | *1ACSHIFTB | S19;P1.70#  S24;P1.75 |
| S24;P1.76 | LIGHTB | 1ACLIGHTB | S19;P1.65#  S24;P1.76 |
| S24;P1.77 | *SHIFTA | *1ACSHIFTA | S19;P1.72#  S24;P1.77 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S24;P1.78 | *SHIFTALPHA | *1ACSHALPHA | S19;P1.24#  S24;P1.78 |
| S24;P1.79 | DDXA15XOR | 1DDXA15XOR | S17;P1.55#  S24;P1.79 |
| S24;P1.80 | DDXA7 | 1DDXA7 | S17;P1.45#  S24;P1.80 |
| S26;P1.3 | +15V | +15V3 | B100;P1.52  S26;P1.3 |
| S26;P1.4 | GROUND | AGND3 | B101;P1.51  S26;P1.4 |
| S26;P1.6 | -15V | -15V3 | B102;P1.51  S26;P1.6 |
| S26;P1.14 | OUT | 1DAXOUT | S26;P1.14  S30;P1.77  S32;P1.77 |
| S26;P1.18 | GROUND | 1TW1DAXOUT | S26;P1.18  S30;P1.78  S32;P1.78 |
| S26;P1.42 | MSBRAMP | 1DAXMSBRAMP | S26;P1.42  S28;P1.68 |
| S26;P1.45 | SLOPESERIN | 1DAXMSBPOS | S26;P1.45  S26;P1.47 |
| S26;P1.47 | MSBPOS | 1DAXMSBPOS | S26;P1.47  S26;P1.45 |
| S26;P1.50 | POS15 | 1DDXMD0 | S17;P1.46#  S26;P1.50  S4;P1.80  S57;P1.59  S58;P1.45  S59;P1.30  S6;P1.44  S7;P1.44 |
| S26;P1.52 | POS14 | 1DDXMD1 | S17;P1.50#  S26;P1.52  S4;P1.78  S57;P1.63  S58;P1.44  S59;P1.29  S6;P1.39  S7;P1.39 |
| S26;P1.53 | POS13 | 1DDXMD2 | S17;P1.56#  S26;P1.53  S4;P1.76  S57;P1.65  S58;P1.43  S59;P1.32  S6;P1.64  S7;P1.64 |
| S26;P1.54 | POS12 | 1DDXMD3 | S17;P1.52#  S26;P1.54  S4;P1.74  S57;P1.67  S58;P1.42  S59;P1.33  S6;P1.37  S7;P1.37 |
| S26;P1.55 | POS11 | 1DDXMD4 | S17;P1.77#  S26;P1.55  S4;P1.17  S57;P1.58  S58;P1.40  S59;P1.34  S6;P1.55  S7;P1.55 |
| S26;P1.56 | POS10 | 1DDXMD5 | S17;P1.73#  S26;P1.56  S4;P1.15  S57;P1.60  S58;P1.39  S59;P1.35  S6;P1.42  S7;P1.42 |
| S26;P1.57 | POS9 | 1DDXMD6 | S17;P1.75#  S26;P1.57  S4;P1.13  S57;P1.62  S58;P1.38  S59;P1.36  S6;P1.40  S7;P1.40 |
| S26;P1.58 | POS8 | 1DDXMD7 | S17;P1.76#  S26;P1.58  S4;P1.10  S57;P1.64  S58;P1.37  S59;P1.37  S6;P1.46  S7;P1.46 |
| S26;P1.59 | POS7 | 1DDXMD8 | S17;P1.65#  S26;P1.59  S4;P1.32  S57;P1.66  S58;P1.36  S59;P1.38  S30;P1.67  S7;P1.18 |
| S26;P1.60 | POS6 | 1DDXMD9 | S17;P1.60  S26;P1.60  S4;P1.29  S57;P1.68  S58;P1.35  S59;P1.39  S30;P1.66  S7;P1.48 |
| S26;P1.62 | POS5 | 1DDXMD10 | S17;P1.68#  S26;P1.62  S4;P1.27  S57;P1.70  S58;P1.34  S59;P1.40  S30;P1.65  S7;P1.30 |
| S26;P1.63 | POS4 | 1DDXMD11 | S17;P1.66#  S26;P1.63  S4;P1.25  S57;P1.72  S58;P1.33  S59;P1.42  S30;P1.64  S7;P1.43 |
| S26;P1.64 | POS3 | 1DDXMD12 | S17;P1.63#  S26;P1.64  S57;P1.74  S58;P1.32  S59;P1.44  S30;P1.60  S6;P1.22  S7;P1.22 |
| S26;P1.65 | POS2 | 1DDXMD13 | S17;P1.58#  S26;P1.65  S57;P1.76  S59;P1.45  S6;P1.27  S30;P1.59  S7;P1.27 |
| S26;P1.66 | POS1 | 1DDXMD14 | S17;P1.64#  S26;P1.66  S32;P1.49  S57;P1.78  S59;P1.43  S30;P1.49  S6;P1.28 |
| S26;P1.67 | POS0 | 1DDXMD15 | S17;P1.57#  S26;P1.67  S32;P1.50  S57;P1.80  S59;P1.47  S30;P1.50  S6;P1.62 |
| S26;P1.68 | SERIN | 1AISEROUT | S24;P1.9#  S26;P1.68  S28;P1.69  S32;P1.39  S30;P1.39  S20;P1.71 |
| S26;P1.69 | LOADSLOPE | 1ACLDSLOPE | S19;P1.62#  S26;P1.69  S28;P1.70  S16;P1.71  S15;P1.31  S47;P1.11 |
| S26;P1.70 | LOADDA | 1ACLDANREGS | S19;P1.27#  S26;P1.70  S14;P1.21  S46;P1.21  S74;P1.80 |
| S26;P1.71 | GROUND | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S23;P1.71  S70;P1.80  S6;P1.80  S80;P1.71  S21;P1.71  S22;P1.71  S26;P1.71  S79;P1.31  S5;P1.61  S69;P1.61  S78;P1.21  S75;P1.1  S75;P1.80 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | | | | | | |
|---|---|---|---|---|---|---|---|---|
| S26;P1.73 | SETLOUT | 1DAXSETLOUT | S84;P1.71 | S85;P1.71 | S86;P1.71 | S87;P1.71 | S12;P1.80 | |
| S26;P1.74 | DRAWLINE | 1ACDRAWSURF | S26;P1.73 | S30;P1.25 | | S26;P1.74 | S28;P1.74 | S5;P1.50 |
| | | | S16;P1.29 | S19;P1.18# | S24;P1.19 | | | |
| | | | S60;P1.29 | | | | | |
| S26;P1.75 | *RASTER | *1DDYB6 | S19;P1.80# | S26;P1.75 | S28;P1.75 | S26;P1.76 | S28;P1.76 | S30;P1.23# |
| S26;P1.76 | *MAINT | *1SDOBMAINT | S17;P1.27 | S18;P1.27 | S24;P1.27 | S24;P1.72 | S26;P1.79 | S28;P1.79 |
| S26;P1.79 | *CLOCK | *CMCLK3 | S17;P1.72 | S18;P1.72 | S19;P1.42 | S81;P1.72 | S82;P1.72 | S83;P1.42 |
| | | | S30;P1.52 | S32;P1.52 | S46;P1.18 | S94;P1.52 | S96;P1.52 | |
| | | | S88;P1.72 | S90;P1.79 | S92;P1.79 | | | |
| S26;P1.80 | GROUND | 1TW*CMCLK3 | S17;P1.71 | S18;P1.71 | S19;P1.41 | S24;P1.71 | S81;P1.71 | S26;P1.80 |
| | | | S28;P1.80 | S30;P1.51 | S32;P1.51 | S24;P1.61 | S90;P1.80 | S82;P1.71 |
| | | | S83;P1.41 | S88;P1.61 | S88;P1.71 | S46;P1.11 | S92;P1.80 | S94;P1.51 |
| | | | S96;P1.51 | | | S81;P1.11 | | |
| S28;P1.3 | +15V | +15V4 | B100;P1.56 | S28;P1.3 | | | | |
| S28;P1.4 | GROUND | AGND4 | B101;P1.55 | S28;P1.4 | | | | |
| S28;P1.6 | -15V | -15V4 | B102;P1.55 | S28;P1.6 | | | | |
| S28;P1.14 | OUT | 1DAYOUT | S28;P1.14 | S30;P1.75 | S32;P1.75 | | | |
| S28;P1.18 | GROUND | 1TW1DAYOUT | S28;P1.18 | S30;P1.76 | S32;P1.76 | | | |
| S28;P1.42 | MSBRAMP | 1DAYMSBRAMP | S19;P1.7 | S28;P1.42 | | | | |
| S28;P1.45 | SLOPESERIN | 1DAYMSBPOS | S28;P1.45 | S28;P1.47 | | | | |
| S28;P1.47 | MSBPOS | 1DAYMSBPOS | S28;P1.45 | S28;P1.47 | | | | |
| S28;P1.50 | POS15 | 1DDYMD0 | S18;P1.46# | S28;P1.50 | S4;P1.79 | S8;P1.44 | S9;P1.44 | |
| S28;P1.52 | POS14 | 1DDYMD1 | S18;P1.50# | S28;P1.52 | S4;P1.77 | S8;P1.39 | S9;P1.39 | |
| S28;P1.53 | POS13 | 1DDYMD2 | S18;P1.56# | S28;P1.53 | S4;P1.75 | S8;P1.64 | S9;P1.64 | |
| S28;P1.54 | POS12 | 1DDYMD3 | S18;P1.52# | S28;P1.54 | S4;P1.73 | S8;P1.37 | S9;P1.37 | |
| S28;P1.55 | POS11 | 1DDYMD4 | S18;P1.77# | S28;P1.55 | S4;P1.16 | S8;P1.55 | S9;P1.55 | |
| S28;P1.56 | POS10 | 1DDYMD5 | S18;P1.73# | S28;P1.56 | S4;P1.14 | S8;P1.42 | S9;P1.42 | |
| S28;P1.57 | POS9 | 1DDYMD6 | S18;P1.75# | S28;P1.57 | S4;P1.12 | S8;P1.40 | S9;P1.40 | |
| S28;P1.58 | POS8 | 1DDYMD7 | S18;P1.76# | S28;P1.58 | S4;P1.9 | S8;P1.46 | S9;P1.46 | |
| S28;P1.59 | POS7 | 1DDYMD8 | S18;P1.65# | S28;P1.59 | S4;P1.30 | S8;P1.18 | S9;P1.18 | |
| S28;P1.60 | POS6 | 1DDYMD9 | S18;P1.60 | S28;P1.60 | S4;P1.28 | S8;P1.48 | S9;P1.48 | |
| S28;P1.62 | POS5 | 1DDYMD10 | S18;P1.68# | S28;P1.62 | S4;P1.26 | S8;P1.30 | S9;P1.30 | |
| S28;P1.63 | POS4 | 1DDYMD11 | S18;P1.66# | S28;P1.63 | S4;P1.24 | S8;P1.43 | S9;P1.43 | |
| S28;P1.64 | POS3 | 1DDYMD12 | S18;P1.63# | S28;P1.64 | S8;P1.22 | S9;P1.22 | S8;P1.28 | |
| S28;P1.65 | POS2 | 1DDYMD13 | S18;P1.58# | S28;P1.65 | S8;P1.27 | S9;P1.27 | S8;P1.62 | |
| S28;P1.66 | POS1 | 1DDYMD14 | S18;P1.64# | S28;P1.66 | S30;P1.36 | S32;P1.36 | S32;P1.36 | |
| S28;P1.67 | POS0 | 1DDYMD15 | S18;P1.57# | S28;P1.67 | S30;P1.37 | S32;P1.37 | S32;P1.37 | |
| S28;P1.68 | SERIN | 1DAXMSBRAMP | S26;P1.42 | S28;P1.68 | | | | |
| S28;P1.69 | LOADSLOPE | 1ACLDSLOPE | S19;P1.62# | S26;P1.69 | S28;P1.69 | S30;P1.39 | S8;P1.28 | S9;P1.28 |
| S28;P1.70 | LOADDA | 1ACLDANREGS | S19;P1.27# | S26;P1.70 | S28;P1.70 | S32;P1.39 | S8;P1.62 | S9;P1.62 |
| S28;P1.73 | SETLOUT | 1DAYSETLOUT | S28;P1.73 | S30;P1.24 | S24;P1.73 | S26;P1.74 | S28;P1.74 | S32;P1.39 |
| S28;P1.74 | DRAWLINE | 1ACDRAWSURF | S16;P1.29 | S19;P1.18# | S24;P1.19 | S26;P1.74 | S28;P1.74 | S5;P1.50 |
| | | | S60;P1.29 | | | | | |
| S28;P1.75 | *RASTER | *1DDYB6 | S19;P1.80# | S26;P1.75 | S28;P1.75 | S26;P1.76 | S28;P1.76 | S30;P1.23# |
| S28;P1.76 | *MAINT | *1SDOBMAINT | S17;P1.27 | S18;P1.27 | S24;P1.27 | S24;P1.72 | S26;P1.79 | S28;P1.79 |
| S28;P1.79 | *CLOCK | *CMCLK3 | S17;P1.72 | S18;P1.72 | S19;P1.42 | S81;P1.72 | S82;P1.72 | S83;P1.42 |
| | | | S30;P1.52 | S32;P1.52 | S46;P1.18 | S94;P1.52 | S96;P1.52 | |
| | | | S88;P1.72 | S90;P1.79 | S92;P1.79 | | | |
| S28;P1.80 | GROUND | 1TW*CMCLK3 | S17;P1.71 | S18;P1.71 | S19;P1.41 | S24;P1.61 | S81;P1.71 | S26;P1.80 |
| | | | S28;P1.80 | S30;P1.51 | S32;P1.51 | S46;P1.11 | S81;P1.11 | S82;P1.71 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | CON.PIN NO |
|---|---|---|---|
| S30;P1.3 | NCOUNTDONE | 1SDONCOUNTDONE | S83;P1.41  S88;P1.61  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51 |
| S30;P1.4 | COMPSETL | 1SDOCOMPOSITESETL | S96;P1.51  S30;P1.3# |
| S30;P1.5 | SEROUT | 1SDOSEROUT | S19;P1.73  S19;P1.38  S30;P1.4# |
| S30;P1.7 | BETA3 | 1SDOBETA3 | S18;P1.5  S30;P1.5# |
| S30;P1.9 | BETA4 | 1SDOBETA4 | S24;P1.33  S30;P1.7# |
| S30;P1.13 | BETA2 | 1SDOBETA2 | S24;P1.34  S30;P1.9# |
| S30;P1.14 | BETA1 | 1SDOBETA1 | S24;P1.36  S30;P1.13# |
| S30;P1.15 | CMFLAG3 | CMFLAG3 | S1;P1.16  S24;P1.35  S30;P1.14#  S30;P1.15  S32;P1.15  S65;P1.16  S94;P1.15  S96;P1.15 |
| S30;P1.17 | CMSFLAG | CMSFLAG | S30;P1.17  S46;P1.72  S94;P1.17  S94;P1.72  S54;P1.59 |
| S30;P1.18 | *CMGRE0 | *CMGRE0 | S5;P1.27  S30;P1.18  S46;P1.13  S69;P1.27  S94;P1.18  S83;P1.26 |
| S30;P1.19 | *CMFORCEBLNK | *CMFORCEBLANK | S30;P1.19  S32;P1.19  S46;P1.20  S94;P1.19  S96;P1.19 |
| S30;P1.20 | ACUNBLANK | 1ACUNBLANK | S19;P1.78#  S30;P1.20  S32;P1.20 |
| S30;P1.23 | *BMAINT | *1SDOBMAINT | S18;P1.27  S24;P1.66  S26;P1.76  S28;P1.76  S30;P1.23# |
| S30;P1.24 | YSETL | 1DAYSETLOUT | S28;P1.73  S30;P1.24 |
| S30;P1.25 | XSETL | 1DAXSETLOUT | S26;P1.73  S30;P1.25 |
| S30;P1.26 | *SHIFTACOFS | *1ACSHACOFS | S19;P1.22#  S30;P1.26  S19;P1.26 |
| S30;P1.29 | SHIFT | CMSHIFT | S5;P1.12  S15;P1.28  S30;P1.29  S63;P1.59  S46;P1.6  S69;P1.12  S53;P1.59  S79;P1.28  S54;P1.59  S83;P1.26 |
| S30;P1.32 | SDYSEL | 1SDOYSEL | S19;P1.49  S30;P1.32#  S18;P1.6  S24;P1.73 |
| S30;P1.33 | SERIN | 1DDXA15 | S17;P1.54#  S1;P1.6  S30;P1.35  S32;P1.35  S60;P1.42  S8;P1.28 |
| S30;P1.35 | DDXB2 | 1DDXB2 | S17;P1.17#  S1;P1.67  S30;P1.36  S32;P1.36  S8;P1.28 |
| S30;P1.36 | YMD14 | 1DDYMD14 | S18;P1.64#  S28;P1.67  S30;P1.37  S32;P1.37  S8;P1.62  S9;P1.28 |
| S30;P1.37 | YMD15 | 1DDYMD15 | S18;P1.57#  S1;P1.69  S30;P1.38  S32;P1.38  S60;P1.44  S9;P1.62 |
| S30;P1.38 | DDXB3 | 1DDXB3 | S17;P1.15#  S26;P1.70  S28;P1.70  S30;P1.39  S32;P1.39 |
| S30;P1.39 | ACLDANREGS | 1ACLDANREGS | S19;P1.27#  S30;P1.46  S94;P1.46 |
| S30;P1.41 | GROUND | GND30 | S30;P1.41  S1;P1.65  S30;P1.42  S32;P1.42  S60;P1.40 |
| S30;P1.42 | DDXB1 | 1DDXB1 | S17;P1.37#  S1;P1.63  S30;P1.43  S32;P1.43  S60;P1.8 |
| S30;P1.43 | DDXB0 | 1DDXB0 | S17;P1.18#  S19;P1.3  S30;P1.45  S46;P1.54  S5;P1.5 |
| S30;P1.45 | *CHAN | *CMCHN1 | S15;P1.52  S64;P1.66  S63;P1.66 |
| S30;P1.46 | DLYSEL1 | GND30 | S30;P1.41  S30;P1.46  S94;P1.46  S5;P1.57  S60;P1.35 |
| S30;P1.47 | DDYB6 | 1DDYB6 | S18;P1.7#  S19;P1.44  S30;P1.47  S57;P1.78  S59;P1.43 |
| S30;P1.49 | XMD14 | 1DDXMD14 | S17;P1.64#  S26;P1.66  S30;P1.49  S59;P1.47 |
| S30;P1.50 | XMD15 | 1DDXMD15 | S6;P1.28  S17;P1.57#  S26;P1.67  S30;P1.50  S57;P1.80  S59;P1.47 |
| S30;P1.51 | GROUND | 1TW*CMCLK3 | S6;P1.62  S7;P1.62  S17;P1.71  S18;P1.71  S24;P1.61  S26;P1.80 |
| S30;P1.52 | *CLK | *CMCLK3 | S28;P1.80  S83;P1.41  S88;P1.61  S90;P1.80  S92;P1.80  S94;P1.51 |
| S30;P1.53 | *INCN | *1ACINCN | S17;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79 |
| S30;P1.54 | DDYB1 | 1DDYB1 | S30;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42 |
| S30;P1.55 | *WRITE | *CMWRITE1 | S15;P1.39  S19;P1.20#  S30;P1.54  S46;P1.55  S92;P1.79  S96;P1.52 |

200116100A0
SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S30;P1.56 | CMFLAG2 | CMFLAG2 | S1;P1.10  S94;P1.56  S30;P1.56  S32;P1.72  S46;P1.39  S65;P1.10 |
| S30;P1.57 | IMSEL | CMFLAG0 | S94;P1.56  S32;P1.57  S46;P1.42 |
| S30;P1.58 | GROUND | AGND2 | S30;P1.57  S30;P1.58  B111;P1.59  S30;P1.59  S57;P1.76  S59;P1.45  S6;P1.27 |
| S30;P1.59 | XMD13 | 1DDXMD13 | S17;P1.58#  S26;P1.65  S30;P1.59  S57;P1.76  S59;P1.44 |
| S30;P1.60 | XMD12 | 1DDXMD12 | S7;P1.27  S26;P1.64  S7;P1.22  S30;P1.60  S57;P1.74  S58;P1.32 |
| S30;P1.62 | *LDN | *1ACLDN | S17;P1.63#  S6;P1.22  S30;P1.62 |
| S30;P1.63 | DDXB4 | 1DDXB4 | S19;P1.19#  S1;P1.73  S30;P1.62  S1;P1.73 |
| S30;P1.64 | XMD11 | 1DDXMD11 | S17;P1.13#  S26;P1.63  S30;P1.63  S30;P1.64  S4;P1.25  S57;P1.72  S58;P1.33 |
| S30;P1.65 | XMD10 | 1DDXMD10 | S17;P1.66#  S59;P1.42  S6;P1.43  S26;P1.62  S30;P1.65  S4;P1.27  S57;P1.70  S58;P1.34 |
| S30;P1.66 | XMD9 | 1DDXMD9 | S17;P1.68#  S59;P1.40  S6;P1.30  S26;P1.60  S30;P1.66  S4;P1.29  S57;P1.68  S58;P1.35 |
| S30;P1.67 | XMD8 | 1DDXMD8 | S17;P1.60  S59;P1.39  S6;P1.48  S26;P1.59  S30;P1.67  S4;P1.32  S57;P1.66  S58;P1.36 |
| S30;P1.68 | DDYB4 | 1DDYB4 | S17;P1.65#  S59;P1.38  S6;P1.18  S30;P1.68  S32;P1.68  S5;P1.43 |
| S30;P1.69 | DDYB3 | 1DDYB3 | S59;P1.38  S18;P1.13#  S7;P1.18  S30;P1.69  S32;P1.69  S5;P1.80 |
| S30;P1.70 | DDYB2 | 1DDYB2 | S15;P1.22  S60;P1.33  S19;P1.6  S30;P1.70  S32;P1.70  S60;P1.30 |
| S30;P1.72 | CMFLAG2 | CMFLAG2 | S15;P1.23  S60;P1.32  S1;P1.10  S94;P1.56  S30;P1.72  S32;P1.72  S65;P1.10 |
| S30;P1.73 | AIRET | 1TW1AIOUT1 | S18;P1.17#  S94;P1.56  S30;P1.73  S32;P1.73 |
| S30;P1.74 | AIIN | 1AIOUT1 | S1;P1.10  S24;P1.28  S30;P1.73 |
| S30;P1.75 | YPOS | 1DAYOUT | S24;P1.29  S30;P1.75 |
| S30;P1.76 | YRET | 1TW1DAYOUT | S28;P1.14  S30;P1.76 |
| S30;P1.77 | XPOS | 1DAXOUT | S28;P1.18  S30;P1.77 |
| S30;P1.78 | XRET | 1TW1DAXOUT | S26;P1.14  S30;P1.78 |
| S30;P1.79 | -15V | -15V2 | S26;P1.18  S30;P1.79 |
| S30;P1.80 | +15V | +15V2 | B102;P1.60  S30;P1.80 |
| S32;P1.15 | IOFLAG3 | CMFLAG3 | B110;P1.59  S30;P1.15  S32;P1.15  S46;P1.38  S65;P1.16  S94;P1.15 |
| S32;P1.19 | *FORCEBLANK | *CMFORCEBLANK | S1;P1.16  S19;P1.19  S32;P1.15  S46;P1.20  S94;P1.19  S96;P1.19 |
| S32;P1.20 | UNBLANK | 1ACUNBLANK | S96;P1.15  S19;P1.78#  S32;P1.20  S32;P1.20 |
| S32;P1.29 | SHIFT | 1SD1GND | S19;P1.19  S32;P1.29  S32;P1.41  S32;P1.45 |
| S32;P1.35 | DDXB2 | 1DDXB2 | S19;P1.78#  S1;P1.67  S30;P1.35  S32;P1.35  S60;P1.42 |
| S32;P1.36 | YMD14 | 1DDYMD14 | S32;P1.29  S28;P1.66  S30;P1.36  S32;P1.36  S8;P1.28  S9;P1.28 |
| S32;P1.37 | YMD15 | 1DDYMD15 | S17;P1.17#  S28;P1.67  S30;P1.37  S32;P1.37  S8;P1.62  S9;P1.62 |
| S32;P1.38 | DDXB3 | 1DDXB3 | S18;P1.64#  S1;P1.69  S30;P1.38  S32;P1.38  S60;P1.44 |
| S32;P1.39 | LDANREGS | 1ACLDANREGS | S18;P1.57#  S26;P1.70  S28;P1.70  S30;P1.39  S32;P1.39 |
| S32;P1.41 | GROUND | 1SD1GND | S17;P1.15#  S32;P1.41  S32;P1.45  S32;P1.42 |
| S32;P1.42 | DDXB1 | 1DDXB1 | S19;P1.27#  S1;P1.65  S30;P1.42  S32;P1.42  S60;P1.40 |
| S32;P1.43 | DDXB0 | 1DDXB0 | S32;P1.29  S1;P1.63  S30;P1.43  S32;P1.43  S60;P1.8 |
| S32;P1.45 | *CHAN | 1SD1GND | S17;P1.37#  S32;P1.41  S32;P1.45 |
| S32;P1.47 | DDYB6 | 1DDYB6 | S17;P1.18#  S19;P1.44  S30;P1.47  S32;P1.47  S5;P1.57  S60;P1.35 |
| S32;P1.49 | XMD14 | 1DDXMD14 | S32;P1.29  S18;P1.7#  S17;P1.64#  S26;P1.66  S30;P1.49  S32;P1.49  S57;P1.78  S59;P1.43 |
| | | | S6;P1.28  S7;P1.28 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S32;P1.50 | XMD15 | 1DDXMD15 | S17;P1.57#  S26;P1.67  S30;P1.50  S32;P1.50  S57;P1.80  S59;P1.47 |
| S32;P1.51 | *CLKRET | 1TW*CMCLK3 | S6;P1.62  S7;P1.62<br>S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.61  S57;P1.71  S26;P1.80<br>S28;P1.80  S30;P1.51  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71<br>S83;P1.41  S88;P1.61  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51<br>S96;P1.51 |
| S32;P1.52 | *CLK | *CMCLK3 | S17;P1.72  S18;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79<br>S30;P1.52  S32;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42<br>S88;P1.72  S90;P1.79  S92;P1.79  S94;P1.52  S96;P1.52 |
| S32;P1.57 | INSTRMONSEL | CMFLAG0 | S30;P1.57  S32;P1.57  S46;P1.42 |
| S32;P1.58 | E2 | AGND5 | B111;P1.63 |
| S32;P1.68 | DDYB4 | 1DDYB4 | S15;P1.22  S18;P1.13#  S19;P1.6  S30;P1.68  S32;P1.68  S5;P1.43 |
| S32;P1.69 | DDYB3 | 1DDYB3 | S60;P1.33  S18;P1.15#  S19;P1.5  S30;P1.69  S32;P1.69  S5;P1.80 |
| S32;P1.70 | DDYB2 | 1DDYB2 | S15;P1.23  S19;P1.4  S30;P1.70  S32;P1.70  S5;P1.55  S60;P1.30 |
| S32;P1.72 | DDYB1 | CMFLAG2 | S60;P1.32  S18;P1.17#  S30;P1.72  S32;P1.72  S46;P1.39  S65;P1.10<br>S1;P1.10  S94;P1.56 |
| S32;P1.73 | AIIN | 1TW1AIOUT1 | S24;P1.28  S30;P1.73  S32;P1.73 |
| S32;P1.74 | YPOS | 1AIOUT2 | S24;P1.30  S32;P1.74 |
| S32;P1.75 | YRET | 1DAYOUT | S28;P1.14  S30;P1.75  S32;P1.75 |
| S32;P1.76 | XPOS | 1TW1DAYOUT | S30;P1.76  S30;P1.76  S32;P1.76 |
| S32;P1.77 | XRET | 1DAXOUT | S26;P1.14  S30;P1.77  S32;P1.77 |
| S32;P1.78 | XRET | 1TW1DAXOUT | S26;P1.18  S30;P1.78  S32;P1.78 |
| S32;P1.79 | -15V | -15V5 | B102;P1.63  S32;P1.79 |
| S32;P1.80 | +15V | +15V5 | B110;P1.63  S32;P1.79 |
| S46;P1.4 | CMPUP | CMPUP | S46;P1.38  S6;P1.38  S9;P1.38  S70;P1.38  S71;P1.38  S73;P1.38<br>S7;P1.38  S8;P1.38  S9;P1.38  S72;P1.38 |
| S46;P1.6 | CMSHIFT | CMSHIFT | S15;P1.28  S15;P1.26  S19;P1.26  S30;P1.29  S53;P1.59  S54;P1.59<br>S5;P1.12  S63;P1.59  S46;P1.6  S69;P1.12  S79;P1.28  S83;P1.26<br>S94;P1.29  S64;P1.59 |
| S46;P1.9 | CMSERIN | MDOUT | S15;P1.76  S19;P1.55#  S46;P1.9  S54;P1.70#  S5;P1.7  S64;P1.70#<br>S69;P1.7  S83;P1.55# |
| S46;P1.10 | CMDONE | DPDONEBUSS | S19;P1.9#  S79;P1.76  S50;P1.6  S60;P1.6  S83;P1.9#  S26;P1.80 |
| S46;P1.11 | *CMCLK3 | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.61  S57;P1.71  S26;P1.80<br>S28;P1.80  S30;P1.51  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71<br>S83;P1.41  S88;P1.61  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51<br>S96;P1.51 |
| S46;P1.12 | *CMFRCLK | *CMFRCLK | S24;P1.63  S46;P1.12  S88;P1.63  S69;P1.27  S94;P1.18  S15;P1.64 |
| S46;P1.13 | *CMGRE0 | *CMGRE0 | S30;P1.18  S46;P1.13  S5;P1.27  S69;P1.60  S88;P1.69  S50;P1.5 |
| S46;P1.14 | *CMCLK20MHZ | *CMCLK20MHZ | S24;P1.69  S46;P1.14  S5;P1.60  S13;P1.73  S14;P1.10  S78;P1.10 |
| S46;P1.15 | *CMGRE1 | *CMGRE1 | S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S19;P1.46  S46;P1.15<br>S16;P1.80  S17;P1.78  S18;P1.78  S75;P1.73  S76;P1.73  S77;P1.73<br>S60;P1.5  S74;P1.73  S80;P1.80  S81;P1.78  S82;P1.78  S83;P1.46<br>S79;P1.64  S96;P1.51 |
| S46;P1.18 | *CMCLK3 | *CMCLK3 | S17;P1.72  S18;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79<br>S30;P1.52  S32;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42<br>S88;P1.72  S90;P1.79  S92;P1.79  S94;P1.52  S96;P1.51 |
| S46;P1.19 | *CMCLK4 | *CMCLK4 | S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.79  S20;P1.72<br>S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79 |

STRING PINS BY SLOT;CON.PIN_NO

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SLT;CON.PIN  PIN NAME       BP STRING NAME    STRING PINS BY SLOT;CON.PIN_NO

S46;P1.20    *CMFORCEBLAN   *CMFORCEBLANK     S71;P1.79  S74;P1.79  S75;P1.79  S78;P1.22  S79;P1.34
                                              S7;P1.79   S80;P1.72  S85;P1.72  S86;P1.72  S87;P1.72
S46;P1.21    GROUND         1TW*CMCLK4        S30;P1.19  S32;P1.19  S94;P1.19  S96;P1.19
                                              S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71
                                              S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S47;P1.11
                                              S5;P1.61   S69;P1.61  S6;P1.80   S70;P1.80  S74;P1.80
                                              S75;P1.1   S75;P1.80  S78;P1.21  S79;P1.31  S80;P1.71
                                              S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S7;P1.80
S46;P1.22    *CMCLK5        *CMCLK5           S12;P1.79  S13;P1.79  S72;P1.79  S73;P1.79  S76;P1.3
                                              S76;P1.79  S77;P1.79  S8;P1.79   S9;P1.79
S46;P1.23    *CMCLK6        *CMCLK6           S46;P1.23  S47;P1.3   S48;P1.3   S49;P1.3   S51;P1.3
                                              S52;P1.3   S53;P1.3   S54;P1.3   S57;P1.3   S59;P1.3
                                              S60;P1.3   S61;P1.3   S62;P1.3   S63;P1.3   S64;P1.3
S46;P1.25    *CMGO          CMGO              S19;P1.54  S46;P1.25  S83;P1.54  S5;P1.3
S46;P1.26    *CMCLK8        *CMCLK8           S1;P1.3    S2;P1.3    S3;P1.3    S4;P1.3    S5;P1.3
                                              S65;P1.3   S66;P1.3   S67;P1.3   S68;P1.3   S69;P1.3
S46;P1.28    *CMCLK9        *CMCLK9           S46;P1.28  S5;P1.72   S69;P1.72
S46;P1.30    *CMWRITEPULS   *CMWRITE1         S30;P1.55  S46;P1.30  S46;P1.26
S46;P1.31    GROUND         1TW*CMCLK5        S12;P1.80  S13;P1.80  S46;P1.31
S46;P1.32    *CMWRITEPULS   *CMWRITE2         S4;P1.1    S5;P1.1    S1;P1.1    S2;P1.1    S3;P1.1
                                              S69;P1.1   S72;P1.80  S65;P1.1   S66;P1.1   S67;P1.1
                                              S8;P1.80   S9;P1.80   S73;P1.80  S76;P1.1   S76;P1.80
                                              S94;P1.55  S77;P1.80
S46;P1.34    CMSHIFT1       CMSHIFT1          S46;P1.32
S46;P1.35    CMFORCEAVAIL   CMFORCEAVAIL      S46;P1.34
S46;P1.36    CMFORCEWAIT    CMFORCEWAIT       S19;P1.79  S83;P1.79  S83;P1.36
S46;P1.37    CMSEROUT       CMSEROUT          S19;P1.14  S19;P1.35  S83;P1.14  S46;P1.37
S46;P1.38    CMFLAG3        CMFLAG3           S15;P1.70  S17;P1.5   S1;P1.23   S79;P1.5   S57;P1.40
                                              S72;P1.45  S8;P1.45   S47;P1.40  S81;P1.5
S46;P1.39    CMFLAG2        CMFLAG2           S1;P1.16   S30;P1.15  S32;P1.15  S46;P1.38  S65;P1.16
                                              S96;P1.15  S65;P1.23  S46;P1.38  S94;P1.15
S46;P1.40    CMFLAG1        CMFLAG1           S1;P1.10   S30;P1.56  S30;P1.72  S32;P1.72  S65;P1.10
                                              S94;P1.56  S46;P1.40  S46;P1.39
S46;P1.42    CMFLAG0        CMFLAG0           S94;P1.57  S96;P1.57  S30;P1.57  S46;P1.40
S46;P1.43    CMBLOCK3       CMBLOCK3          S46;P1.40  S32;P1.57  S46;P1.42
S46;P1.44    CMBLOCK2       CMBLOCK2          S19;P1.13  S46;P1.43  S83;P1.13
S46;P1.45    CMBLOCK1       CMBLOCK1          S19;P1.40  S46;P1.44  S83;P1.40
S46;P1.46    CMBLOCK0       CMBLOCK0          S46;P1.45
S46;P1.52    *CMCHN3        *CMCHN3           S46;P1.46
S46;P1.53    *CMCHN2        *CMCHN2           S46;P1.52
                                              S46;P1.53  S53;P1.66  S54;P1.66  S79;P1.52  S83;P1.3
S46;P1.54    *CMCHN1        *CMCHN1           S94;P1.45  S15;P1.52  S19;P1.3   S30;P1.45  S5;P1.5
                                              S64;P1.66  S46;P1.54
S46;P1.56    CMDEVEN0       CMDEVEN0          S46;P1.56  S19;P1.29  S83;P1.29  S63;P1.66
S46;P1.57    CMDEVEN1       CMDEVEN1          S46;P1.57
S46;P1.58    CMDEVEN3       CMDEVEN3          S19;P1.66  S46;P1.58  S79;P1.66
S46;P1.59    CMDEVEN4       CMDEVEN4          S15;P1.66  S46;P1.59  S79;P1.69
S46;P1.60    CMDEVEN5       LOOPB             S15;P1.69  S46;P1.60  S79;P1.60
S46;P1.62    CMDEVEN6       CMDEVEN6          S54;P1.68  S64;P1.68  S46;P1.62
S46;P1.67    CMDEVEN8       CMDEVEN8          S5;P1.13   S69;P1.13  S46;P1.67
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## STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S46;P1.69 | CMDEVEN2 | CMDEVEN2 | S46;P1.69  S94;P1.17  S94;P1.72 |
| S46;P1.72 | CMAVAIL | CMSFLAG | S30;P1.17 |
| S46;P1.77 | *CMIMHERE | AVAILOUT | S19;P1.56#  S46;P1.56#  S46;P1.77  S83;P1.56# |
| S46;P1.79 | | *IMHERE | S15;P1.80  S19;P1.50#  S46;P1.79  S83;P1.50#  S5;P1.6  S54;P1.6#  S64;P1.6#  S96;P1.72 |
| S47;P1.2 | +5VIN | +5V47 | S47;P1.2  S69;P1.6 |
| S47;P1.3 | *CMCLK | *CMCLK6 | S47;P1.3  S46;P1.23  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3  S52;P1.3  S53;P1.3  S54;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S60;P1.3  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S47;P1.4 | +5VIN | +5V47 | S47;P1.4 |
| S47;P1.6 | +5VIN | +5V47 | S47;P1.6 |
| S47;P1.7 | *TFDBMAINT | *2TFDBMAINT | S47;P1.7  S48;P1.7  S49;P1.7  S50;P1.7  S51;P1.8  S52;P1.8 |
| S47;P1.8 | LRRDD15 | 2LRRDD15 | S54;P1.10#  S50;P1.28  S15;P1.31  S16;P1.71  S20;P1.71 |
| S47;P1.11 | GROUND | 1TW*CMCLK4 | S47;P1.8#  S10;P1.80  S11;P1.80  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S47;P1.11  S74;P1.80 |
| S47;P1.14 | TSCLRRCNTL3 | 2TSCLRRCNTL3 | S47;P1.14  S50;P1.19#  S69;P1.71  S70;P1.80  S71;P1.80 |
| S47;P1.15 | LRRPZINV | 2LRRPZINV | S47;P1.15#  S48;P1.15#  S1;P1.71  S7;P1.80 |
| S47;P1.16 | TSCLRRCNTL2 | 2TSCLRRCNTL2 | S47;P1.16  S50;P1.18#  S6;P1.80 |
| S47;P1.18 | TSCLRRCNTL1 | 2TSCLRRCNTL1 | S47;P1.18  S50;P1.17#  S78;P1.21  S79;P1.31 |
| S47;P1.20 | TSCLRRCNTL0 | 2TSCLRRCNTL0 | S47;P1.20  S50;P1.16#  S75;P1.80  S80;P1.71 |
| S47;P1.30 | LRRSEROUT | 2LRRSEROUT | S47;P1.30#  S48;P1.52  S85;P1.71  S87;P1.71  S12;P1.80 |
| S47;P1.31 | GROUND | 1TW*CMCLK9 | S47;P1.31  S5;P1.71  S84;P1.71  S86;P1.71 |
| S47;P1.40 | SERIN | CMSEROUT | S47;P1.40  S17;P1.70  S79;P1.70 |
| S47;P1.46 | LRRHTZABOUT | 2LRRHTZABOUT | S47;P1.46#  S65;P1.23  S72;P1.45  S8;P1.45  S57;P1.40 |
| S47;P1.54 | LRRHTZOUT | 2LRRHTZOUT | S47;P1.54#  S15;P1.70  S17;P1.5  S1;P1.23  S81;P1.5  S46;P1.37 |
| S47;P1.58 | DDMD4 | 2DDXMD4 | S47;P1.58  S81;P1.77#  S48;P1.58  S90;P1.55  S49;P1.34  S68;P1.17  S70;P1.55  S71;P1.55 |
| S47;P1.59 | DDMD0 | 2DDXMD0 | S47;P1.59  S81;P1.46#  S48;P1.45  S90;P1.50  S49;P1.30  S68;P1.80  S70;P1.44  S71;P1.44 |
| S47;P1.60 | DDMD5 | 2DDXMD5 | S47;P1.60  S81;P1.73#  S48;P1.39  S90;P1.56  S49;P1.35  S68;P1.15  S70;P1.42  S71;P1.42 |
| S47;P1.62 | DDMD6 | 2DDXMD6 | S47;P1.62  S81;P1.75#  S48;P1.38  S90;P1.57  S49;P1.36  S68;P1.13  S70;P1.40  S71;P1.40 |
| S47;P1.63 | DDMD1 | 2DDXMD1 | S47;P1.63  S81;P1.50#  S48;P1.44  S90;P1.52  S49;P1.29  S68;P1.78  S70;P1.39  S71;P1.39 |
| S47;P1.64 | DDMD7 | 2DDXMD7 | S47;P1.64  S81;P1.76#  S48;P1.37  S90;P1.58  S49;P1.37  S68;P1.10  S70;P1.46  S71;P1.46 |
| S47;P1.65 | DDMD2 | 2DDXMD2 | S47;P1.65  S81;P1.56#  S48;P1.43  S90;P1.53  S49;P1.32  S68;P1.76  S70;P1.64  S71;P1.64 |
| S47;P1.66 | DDMD8 | 2DDXMD8 | S47;P1.66  S81;P1.65#  S48;P1.36  S90;P1.59  S49;P1.38  S94;P1.67  S68;P1.32  S70;P1.18  S71;P1.18 |
| S47;P1.67 | DDMD3 | 2DDXMD3 | S47;P1.67  S81;P1.52#  S48;P1.42  S90;P1.54  S49;P1.33  S68;P1.74  S70;P1.37  S71;P1.37 |
| S47;P1.68 | DDMD9 | 2DDXMD9 | S47;P1.68  S81;P1.60  S48;P1.35  S90;P1.60  S49;P1.39  S94;P1.66  S68;P1.29  S70;P1.48  S71;P1.48 |

STRING PINS BY SLOT;CON.PIN NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S47;P1.69 | TSCLRRADR0 | 2TSCLRRADR0 | S47;P1.69 |
| S47;P1.70 | DDMD10 | 2DDXMD10 | S50;P1.73#  S48;P1.34  S49;P1.40  S94;P1.65  S68;P1.27  S70;P1.30  S71;P1.30 |
| S47;P1.72 | DDMD11 | 2DDXMD11 | S81;P1.68#  S90;P1.62  S48;P1.33  S49;P1.42  S94;P1.64  S68;P1.25  S70;P1.43  S71;P1.43 |
| S47;P1.73 | TSCLRRADR1 | 2TSCLRRADR1 | S47;P1.73 |
| S47;P1.74 | DDMD12 | 2DDXMD12 | S81;P1.66#  S50;P1.10#  S48;P1.32  S49;P1.44  S70;P1.22  S71;P1.22  S81;P1.63# |
| S47;P1.75 | TSCLRRADR2 | 2TSCLRRADR2 | S50;P1.12#  S49;P1.45  S70;P1.27  S71;P1.27 |
| S47;P1.76 | DDMD13 | 2DDXMD13 | S81;P1.58#  S90;P1.65 |
| S47;P1.77 | TSCLRRADR3 | 2TSCLRRADR3 | S50;P1.13#  S49;P1.43  S96;P1.49  S70;P1.28  S71;P1.28 |
| S47;P1.78 | DDMD14 | 2DDXMD14 | S81;P1.64#  S90;P1.66 |
| S47;P1.79 | TSCLRRADR4 | 2TSCLRRADR4 | S50;P1.14#  S49;P1.47  S96;P1.50  S70;P1.62  S71;P1.62 |
| S47;P1.80 | DDMD15 | 2DDXMD15 | S81;P1.57#  S90;P1.67 |
| S48;P1.2 | +5VIN | +5V48 | S48;P1.2  S48;P1.4 |
| S48;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23  S47;P1.3  S49;P1.3  S50;P1.3  S51;P1.3  S52;P1.3  S53;P1.3  S54;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S60;P1.3  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S48;P1.4 | +5VIN | +5V48 | S48;P1.2  S48;P1.4 |
| S48;P1.7 | *TFDBMAINT | *2TFDBMAINT | S47;P1.7  S49;P1.7  S50;P1.7  S51;P1.8  S52;P1.8 |
| S48;P1.26 | LRBLLAMBDA | 2LRBLLAMBDA | S54;P1.10#  S48;P1.26#  S54;P1.32 |
| S48;P1.32 | DDMD12 | 2DDXMD12 | S94;P1.60  S49;P1.44  S70;P1.22  S71;P1.22  S81;P1.63# |
| S48;P1.33 | DDMD11 | 2DDXMD11 | S90;P1.63  S49;P1.42  S94;P1.64  S68;P1.25  S70;P1.43  S71;P1.43 |
| S48;P1.34 | DDMD10 | 2DDXMD10 | S90;P1.62  S49;P1.40  S94;P1.65  S68;P1.27  S70;P1.30  S71;P1.30 |
| S48;P1.35 | DDMD9 | 2DDXMD9 | S90;P1.66  S49;P1.39  S94;P1.66  S68;P1.29  S70;P1.48  S71;P1.48 |
| S48;P1.36 | DDMD8 | 2DDXMD8 | S90;P1.59  S49;P1.38  S94;P1.67  S68;P1.32  S70;P1.18  S71;P1.18 |
| S48;P1.37 | DDMD7 | 2DDXMD7 | S90;P1.58  S49;P1.37  S68;P1.10  S70;P1.46  S71;P1.46 |
| S48;P1.38 | DDMD6 | 2DDXMD6 | S90;P1.57  S49;P1.36  S68;P1.13  S70;P1.40  S71;P1.40 |
| S48;P1.39 | DDMD5 | 2DDXMD5 | S90;P1.56  S49;P1.35  S68;P1.15  S70;P1.42  S71;P1.42 |
| S48;P1.40 | DDMD4 | 2DDXMD4 | S90;P1.55  S49;P1.34  S68;P1.17  S70;P1.55  S71;P1.55 |
| S48;P1.42 | DDMD3 | 2DDXMD3 | S90;P1.54  S49;P1.33  S68;P1.74  S70;P1.37  S71;P1.37 |
| S48;P1.43 | DDMD2 | 2DDXMD2 | S90;P1.53  S49;P1.32  S68;P1.76  S70;P1.64  S71;P1.64 |
| S48;P1.44 | DDMD1 | 2DDXMD1 | S90;P1.52  S49;P1.29  S68;P1.78  S70;P1.39  S71;P1.39 |
| S48;P1.45 | DDMD0 | 2DDXMD0 | S49;P1.30  S68;P1.80  S70;P1.44  S71;P1.44 |

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SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S48;P1.46 | LRRHTZOUT | 2LRRHTZOUT | S81;P1.46#  S90;P1.50  S49;P1.16 |
| S48;P1.48 | LRRHTZABOUT | 2LRRHTZABOUT | S47;P1.54#  S48;P1.46 |
| S48;P1.52 | SERIN | 2LRRSEROUT | S47;P1.46#  S48;P1.48  S53;P1.36  S54;P1.36 |
| S48;P1.53 | LRBHTZPEXA | 2LRBHTZPEXA | S47;P1.30#  S48;P1.52 |
| S48;P1.55 | LRBHTZPEYA | 2LRBHTZPEYA | S48;P1.53#  S51;P1.12 |
| S48;P1.56 | LRRPZINV | 2LRRPZINV | S48;P1.55#  S52;P1.12 |
| S48;P1.60 | LRBCLAMP | 2LRBCLAMP | S47;P1.15#  S48;P1.56 |
| S48;P1.73 | TSCLRBCNTL0 | 2TSCLRBCNTL0 | S48;P1.60#  S49;P1.70 |
| S48;P1.75 | TSCLRBCNTL1 | 2TSCLRBCNTL1 | S48;P1.73  S50;P1.59# |
| S48;P1.77 | TSCLRBCNTL2 | 2TSCLRBCNTL2 | S48;P1.75  S50;P1.60# |
| S48;P1.79 | TSCLRBCNTL3 | 2TSCLRBCNTL3 | S48;P1.77  S50;P1.62#  S48;P1.79  S50;P1.63# |
| S49;P1.2 | +5VIN | +5V49 | S49;P1.2  S49;P1.4 |
| S49;P1.3 | *CMCLK | *CMCLK6 | S47;P1.3  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3  S52;P1.3  S53;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S60;P1.3  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S49;P1.4 | +5VIN | +5V49 | S49;P1.2  S49;P1.4 |
| S49;P1.7 | *TFDBMAINT | *2TFDBMAINT | S47;P1.7  S48;P1.7  S49;P1.7  S50;P1.7  S51;P1.8  S52;P1.8  S54;P1.10# |
| S49;P1.15 | LRSXSERM | 2LRSXSERM | S49;P1.15#  S53;P1.50  S54;P1.50 |
| S49;P1.16 | LRRHTZOUT | 2LRRHTZOUT | S47;P1.54#  S48;P1.54#  S49;P1.16 |
| S49;P1.17 | TSCLRSADR0 | 2TSCLRSADR0 | S49;P1.17  S50;P1.64# |
| S49;P1.19 | TSCLRSADR1 | 2TSCLRSADR1 | S49;P1.19  S50;P1.65# |
| S49;P1.23 | TSCLRSADR2 | 2TSCLRSADR2 | S49;P1.23  S50;P1.66# |
| S49;P1.25 | TSCLRSADR3 | 2TSCLRSADR3 | S49;P1.25  S50;P1.67# |
| S49;P1.29 | DDMD1 | 2DDXMD1 | S47;P1.63  S81;P1.50#  S48;P1.44  S90;P1.52  S68;P1.78  S70;P1.39  S71;P1.39 |
| S49;P1.30 | DDMD0 | 2DDXMD0 | S47;P1.59  S81;P1.46#  S48;P1.45  S90;P1.50  S68;P1.80  S70;P1.44  S71;P1.44 |
| S49;P1.32 | DDMD2 | 2DDXMD2 | S47;P1.65  S81;P1.56#  S48;P1.43  S90;P1.53  S68;P1.76  S70;P1.64  S71;P1.64 |
| S49;P1.33 | DDMD3 | 2DDXMD3 | S47;P1.67  S81;P1.52#  S48;P1.42  S90;P1.54  S68;P1.74  S70;P1.37  S71;P1.37 |
| S49;P1.34 | DDMD4 | 2DDXMD4 | S47;P1.58  S81;P1.77#  S48;P1.40  S90;P1.55  S68;P1.17  S70;P1.55  S71;P1.55 |
| S49;P1.35 | DDMD5 | 2DDXMD5 | S47;P1.60  S81;P1.73#  S48;P1.39  S90;P1.56  S68;P1.15  S70;P1.42  S71;P1.42 |
| S49;P1.36 | DDMD6 | 2DDXMD6 | S47;P1.62  S81;P1.75#  S48;P1.38  S90;P1.57  S68;P1.13  S70;P1.40  S71;P1.40 |
| S49;P1.37 | DDMD7 | 2DDXMD7 | S47;P1.64  S81;P1.76#  S48;P1.37  S90;P1.58  S68;P1.10  S70;P1.46  S71;P1.46 |
| S49;P1.38 | DDMD8 | 2DDXMD8 | S47;P1.66  S81;P1.65#  S48;P1.36  S94;P1.67  S68;P1.32  S70;P1.18  S71;P1.18 |
| S49;P1.39 | DDMD9 | 2DDXMD9 | S47;P1.68  S81;P1.60  S49;P1.39  S94;P1.66  S68;P1.29  S70;P1.48  S71;P1.48 |
| S49;P1.40 | DDMD10 | 2DDXMD10 | S47;P1.70  S81;P1.68#  S48;P1.34  S90;P1.65  S68;P1.27  S70;P1.30  S71;P1.30 |
| S49;P1.42 | DDMD11 | 2DDXMD11 | S47;P1.72  S81;P1.66#  S94;P1.42  S90;P1.64  S68;P1.25  S70;P1.43  S71;P1.43 |
| S49;P1.43 | DDMD14 | 2DDXMD14 | S47;P1.78  S90;P1.63  S49;P1.43  S70;P1.28  S71;P1.28  S81;P1.64#  S90;P1.66 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S49;P1.44 | DDMD12 | 2DDXMD12 | S94;P1.49  S96;P1.49  S70;P1.22  S71;P1.22  S81;P1.63# |
| S49;P1.45 | DDMD13 | 2DDXMD13 | S47;P1.74  S48;P1.32  S70;P1.27  S71;P1.27  S81;P1.58# |
| S49;P1.46 | LRSHTZPX | 2LRSHTZPX | S90;P1.64  S94;P1.60  S71;P1.62  S81;P1.57#  S90;P1.65 |
| S49;P1.47 | DDMD15 | 2DDXMD15 | S47;P1.76  S94;P1.59  S90;P1.67 |
| S49;P1.48 | LRSHTZPY | 2LRSHTZPY | S49;P1.46#  S51;P1.7 |
| S49;P1.50 | LRSCNTLOUT | 2LRSCNTLOUT | S47;P1.80  S49;P1.47  S52;P1.7 |
| S49;P1.56 | LRSYSERM | 2LRSYSERM | S94;P1.50  S96;P1.50  S50;P1.7 |
| S49;P1.70 | SERIN | 2LRBCLAMP | S49;P1.48#  S50;P1.9  S52;P1.7 |
| S49;P1.73 | TSCLRSCNTL0 | 2TSCLRSCNTL0 | S53;P1.35  S54;P1.35  S53;P1.36  S54;P1.36 |
| S49;P1.74 | TSCLRSCNTL1 | 2TSCLRSCNTL1 | S49;P1.70  S48;P1.60#  S49;P1.60# |
| S49;P1.75 | TSCLRSCNTL2 | 2TSCLRSCNTL2 | S50;P1.68#  S50;P1.69#  S50;P1.70#  S50;P1.72# |
| S49;P1.76 | TSCLRSCNTL3 | 2TSCLRSCNTL3 | S49;P1.73  S49;P1.74  S49;P1.75  S49;P1.76 |
| S50;P1.2 | +5VIN | +5V50 | S50;P1.4  S47;P1.3  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3 |
| S50;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23  S52;P1.3  S53;P1.3  S54;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S50;P1.4 | +5VIN | +5V50 | S50;P1.2  S60;P1.3 |
| S50;P1.5 | *CMRESET | *CMGRE1 | S60;P1.2  S10;P1.73  S16;P1.80  S50;P1.5  S78;P1.10  S15;P1.64 |
| S50;P1.6 | ACDPDONE | DPDONEBUSS | S79;P1.9#  S19;P1.9#  S60;P1.6  S50;P1.6 |
| S50;P1.7 | *TFDBMAINT | *2TFDBMAINT | S54;P1.10#  S47;P1.10#  S48;P1.7  S49;P1.7  S50;P1.7  S51;P1.8  S52;P1.8 |
| S50;P1.8 | DDXB0 | 2DDXB0 | S65;P1.8  S81;P1.18#  S94;P1.18#  S96;P1.43 |
| S50;P1.9 | SERIN | 2LRSCNTLOUT | S50;P1.50#  S49;P1.50#  S50;P1.9 |
| S50;P1.10 | TSCLRRADR1 | 2TSCLRRADR1 | S50;P1.12#  S47;P1.73 |
| S50;P1.12 | TSCLRRADR2 | 2TSCLRRADR2 | S50;P1.13#  S47;P1.75 |
| S50;P1.13 | TSCLRRADR3 | 2TSCLRRADR3 | S50;P1.14#  S47;P1.77 |
| S50;P1.14 | TSCLRRADR4 | 2TSCLRRADR4 | S50;P1.16#  S47;P1.79 |
| S50;P1.16 | TSCLRRCNTL0 | 2TSCLRRCNTL0 | S50;P1.17#  S47;P1.20 |
| S50;P1.17 | TSCLRRCNTL1 | 2TSCLRRCNTL1 | S50;P1.18#  S47;P1.18 |
| S50;P1.18 | TSCLRRCNTL2 | 2TSCLRRCNTL2 | S50;P1.19#  S47;P1.16 |
| S50;P1.19 | TSCLRRCNTL3 | 2TSCLRRCNTL3 | S47;P1.14 |
| S50;P1.23 | TSCTCBWE | 2TSCTCBWE | S53;P1.20  S54;P1.20 |
| S50;P1.24 | TSCTCBSERLD | 2TSCTCBSERLD | S53;P1.19  S54;P1.19 |
| S50;P1.28 | LRRDD15 | 2LRRDD15 | S47;P1.8#  S50;P1.28 |
| S50;P1.29 | ACDRAWSURF | 2ACDRAWSURF | S69;P1.29  S80;P1.29  S88;P1.19  S90;P1.74 |
| S50;P1.30 | DDYB2 | 2DDYB2 | S92;P1.74  S50;P1.30  S69;P1.55  S82;P1.17#  S83;P1.4  S94;P1.70 |
| S50;P1.32 | DDYB3 | 2DDYB3 | S50;P1.32  S69;P1.80  S79;P1.23  S82;P1.15#  S83;P1.5  S94;P1.69 |
| S50;P1.33 | DDYB4 | 2DDYB4 | S96;P1.69  S96;P1.68  S69;P1.33  S79;P1.22  S82;P1.13#  S83;P1.6  S94;P1.68 |
| S50;P1.34 | DDYB5 | 2DDYB5 | S50;P1.34  S69;P1.56  S82;P1.14#  S83;P1.45  S83;P1.3 |
| S50;P1.35 | DDYB6 | 2DDYB6 | S50;P1.35  S69;P1.57  S82;P1.7#  S83;P1.44  S94;P1.47  S96;P1.47 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S50;P1.36 | DDYB7 | 2DDYB7 | S50;P1.36 | S69;P1.58 | S82;P1.8# | S83;P1.76 | | | | | | | |
| S50;P1.37 | ACDDAVAIL | 2ACDDAVAIL | S50;P1.37 | S69;P1.26 | S79;P1.46 | S83;P1.37# | | | | | | | |
| S50;P1.38 | *DPDECODE | *2DPDECODE | S50;P1.38# | S69;P1.24 | S79;P1.44 | S83;P1.32# | | | | | | | |
| S50;P1.39 | *DPACCEPT | *2DPACCEPT | S50;P1.39# | S69;P1.23 | S79;P1.53 | S83;P1.16# | | | | | | | |
| S50;P1.40 | DDXB1 | 2DDXB1 | S50;P1.40 | S65;P1.65 | S81;P1.37# | S94;P1.42 | | | | | | | |
| S50;P1.42 | DDXB2 | 2DDXB2 | S50;P1.42 | S65;P1.67 | S81;P1.17# | S94;P1.35 | | | | | | | |
| S50;P1.43 | DDXB6 | 2DDXB6 | S50;P1.43 | S65;P1.77 | S81;P1.7# | | | | | | | | |
| S50;P1.44 | DDXB3 | 2DDXB3 | S50;P1.44 | S65;P1.69 | S81;P1.15# | S94;P1.38 | | | | | | | |
| S50;P1.45 | DDXB7 | 2DDXB7 | S50;P1.45 | S65;P1.79 | S81;P1.8# | | | | | | | | |
| S50;P1.46 | DDXB4 | 2DDXB4 | S50;P1.46 | S65;P1.73 | S81;P1.13# | S94;P1.63 | | | | | | | |
| S50;P1.47 | *TSCTPS0 | *2TSCTPS0 | S50;P1.47# | S51;P1.18 | S52;P1.18 | | | | | | | | |
| S50;P1.48 | DDXB5 | 2DDXB5 | S50;P1.48 | S65;P1.75 | S81;P1.14# | S83;P1.60 | | | | | | | |
| S50;P1.49 | *TSCTPS1 | *2TSCTPS1 | S50;P1.49# | S51;P1.14 | S52;P1.14 | | | | | | | | |
| S50;P1.52 | TSCTMCNTL3A | 2TSCTMCNTL3A | S50;P1.52# | S53;P1.63 | S54;P1.63 | | | | | | | | |
| S50;P1.56 | TSCHTZENA | 2TSCHTZENA | S50;P1.56# | S51;P1.10 | S52;P1.10 | | | | | | | | |
| S50;P1.57 | TSCHTZS1 | 2TSCHTZS1 | S50;P1.57# | S51;P1.20 | S52;P1.20 | | | | | | | | |
| S50;P1.58 | TSCCLRADR | 2TSCCLRADR | S50;P1.58# | S51;P1.72 | S52;P1.72 | | | | | | | | |
| S50;P1.59 | TSCLRBCNTL0 | 2TSCLRBCNTL0 | S48;P1.73 | S50;P1.59# | | | | | | | | | |
| S50;P1.60 | TSCLRBCNTL1 | 2TSCLRBCNTL1 | S48;P1.75 | S50;P1.60# | | | | | | | | | |
| S50;P1.62 | TSCLRBCNTL2 | 2TSCLRBCNTL2 | S48;P1.77 | S50;P1.62# | | | | | | | | | |
| S50;P1.63 | TSCLRBCNTL3 | 2TSCLRBCNTL3 | S48;P1.79 | S50;P1.63# | | | | | | | | | |
| S50;P1.64 | TSCLRSADR0 | 2TSCLRSADR0 | S49;P1.17 | S50;P1.64# | | | | | | | | | |
| S50;P1.65 | TSCLRSADR1 | 2TSCLRSADR1 | S49;P1.19 | S50;P1.65# | | | | | | | | | |
| S50;P1.66 | TSCLRSADR2 | 2TSCLRSADR2 | S49;P1.23 | S50;P1.66# | | | | | | | | | |
| S50;P1.67 | TSCLRSADR3 | 2TSCLRSADR3 | S49;P1.25 | S50;P1.67# | | | | | | | | | |
| S50;P1.68 | TSCLRSCNTL0 | 2TSCLRSCNTL0 | S49;P1.73 | S50;P1.68# | | | | | | | | | |
| S50;P1.69 | TSCLRSCNTL1 | 2TSCLRSCNTL1 | S49;P1.74 | S50;P1.69# | | | | | | | | | |
| S50;P1.70 | TSCLRSCNTL2 | 2TSCLRSCNTL2 | S49;P1.75 | S50;P1.70# | | | | | | | | | |
| S50;P1.72 | TSCLRSCNTL3 | 2TSCLRSCNTL3 | S49;P1.76 | S50;P1.72# | | | | | | | | | |
| S50;P1.73 | TSCLRRADR0 | 2TSCLRRADR0 | S47;P1.69 | S50;P1.73# | | | | | | | | | |
| S50;P1.74 | TSCDATALOAD | 2TSCDATALOAD | S50;P1.74# | S51;P1.5 | | | | | | | | | |
| S50;P1.76 | TSCTMCNTL0 | 2TSCTMCNTL0 | S50;P1.76# | S53;P1.69 | S54;P1.69 | | | | | | | | |
| S50;P1.77 | TSCTMCNTL1 | 2TSCTMCNTL1 | S50;P1.77# | S53;P1.67 | S54;P1.67 | | | | | | | | |
| S50;P1.78 | TSCTMCNTL2 | 2TSCTMCNTL2 | S50;P1.78# | S53;P1.65 | S54;P1.65 | | | | | | | | |
| S51;P1.2 | +5VIN | +5V51 | S51;P1.2 | S51;P1.4 | S51;P1.6 | | | | | | | | |
| S51;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23 | S47;P1.3 | S48;P1.3 | S49;P1.3 | S50;P1.3 | S51;P1.3 | S57;P1.3 | S58;P1.3 | S59;P1.3 | S63;P1.3 | S64;P1.3 |
| S51;P1.4 | +5VIN | +5V51 | S51;P1.2 | S51;P1.4 | S51;P1.6 | | | | | | | | |
| S51;P1.5 | SERIN | 2TSCDATALOAD | S50;P1.74# | S51;P1.5 | | | | | | | | | |
| S51;P1.6 | +5VIN | +5V51 | S51;P1.2 | S51;P1.4 | S51;P1.6 | | | | | | | | |
| S51;P1.7 | LRSHTZP | 2LRSHTZPX | S49;P1.46# | S51;P1.7 | | | | | | | | | |
| S51;P1.8 | *TFDBMAINT | *2TFDBMAINT | S47;P1.7 | S48;P1.7 | S49;P1.7 | S50;P1.7 | S51;P1.8 | S52;P1.8 | | | | | |
| S51;P1.10 | TSCHTZEN | 2TSCHTZENA | S50;P1.56# | S51;P1.10 | S52;P1.10 | | | | | | | | |
| S51;P1.12 | LRBHTZPE | 2LRBHTZPEXA | S48;P1.53# | S51;P1.12 | | | | | | | | | |
| S51;P1.14 | *TSCTPS1 | *2TSCTPS1 | S50;P1.49# | S51;P1.14 | S52;P1.14 | | | | | | | | |
| S51;P1.18 | *TSCTPS0 | *2TSCTPS0 | S50;P1.47# | S51;P1.18 | S52;P1.18 | | | | | | | | |
| S51;P1.20 | TSCHTZS1 | 2TSCHTZS1 | S50;P1.57# | S51;P1.20 | S52;P1.20 | | | | | | | | |
| S51;P1.23 | ERSTP-1 | 2ERSTPXA-1 | S51;P1.23# | S54;P1.56 | | | | | | | | | |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S51;P1.25 | ERSTP-2 | 2ERSTPXA-2 | S51;P1.25#  S54;P1.54  S53;P1.56 |
| S51;P1.26 | ERST-1 | 2ERSTXA-1 | S51;P1.26#  S52;P1.5 |
| S51;P1.27 | ERSTP-3 | 2ERSTPXA-3 | S51;P1.27#  S54;P1.52 |
| S51;P1.28 | ERST-2 | 2ERSTXA-2 | S51;P1.28#  S53;P1.54 |
| S51;P1.29 | ERSTP-4 | 2ERSTPXA-4 | S51;P1.29#  S54;P1.48 |
| S51;P1.30 | ERST-3 | 2ERSTXA-3 | S51;P1.30#  S53;P1.52 |
| S51;P1.32 | ERST-4 | 2ERSTXA-4 | S51;P1.32#  S53;P1.48 |
| S51;P1.33 | ERSTP-5 | 2ERSTPXA-5 | S51;P1.33#  S54;P1.46 |
| S51;P1.34 | ERST-5 | 2ERSTXA-5 | S51;P1.34#  S53;P1.46 |
| S51;P1.35 | ERSTP-6 | 2ERSTPXA-6 | S51;P1.35#  S54;P1.44 |
| S51;P1.36 | ERST-6 | 2ERSTXA-6 | S51;P1.36#  S53;P1.44 |
| S51;P1.37 | ERSTP-7 | 2ERSTPXA-7 | S51;P1.37#  S54;P1.42 |
| S51;P1.38 | ERST-7 | 2ERSTXA-7 | S51;P1.38#  S53;P1.42 |
| S51;P1.39 | ERSTP-8 | 2ERSTPXA-8 | S51;P1.39#  S54;P1.40 |
| S51;P1.40 | ERST-8 | 2ERSTXA-8 | S51;P1.40#  S53;P1.40 |
| S51;P1.42 | ERST-9 | 2ERSTXA-9 | S51;P1.42#  S53;P1.34 |
| S51;P1.43 | ERSTP-9 | 2ERSTPXA-9 | S51;P1.43#  S54;P1.34 |
| S51;P1.44 | ERST-10 | 2ERSTXA-10 | S51;P1.44# |
| S51;P1.45 | ERSTP-10 | 2ERSTPXA-10 | S51;P1.45# |
| S51;P1.46 | ERST-11 | 2ERSTXA-11 | S51;P1.46# |
| S51;P1.47 | ERSTP-11 | 2ERSTPXA-11 | S51;P1.47# |
| S51;P1.48 | ERST-12 | 2ERSTXA-12 | S51;P1.48# |
| S51;P1.49 | ERSTP-12 | 2ERSTPXA-12 | S51;P1.49# |
| S51;P1.72 | TSCCLRADR | 2TSCCLRADR | S50;P1.58#  S51;P1.72 |
| S52;P1.2 | +5VIN | +5V52 | S52;P1.2  S51;P1.72  S49;P1.3  S50;P1.3  S51;P1.3 |
| S52;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23  S47;P1.3  S48;P1.3  S53;P1.3  S54;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S52;P1.4 | +5VIN | +5V52 | S52;P1.2 |
| S52;P1.5 | SERIN | 2ERSTXA-1 | S52;P1.2  S51;P1.26# |
| S52;P1.6 | +5VIN | +5V52 | S60;P1.3  S52;P1.4 |
| S52;P1.7 | LRSHTZP | 2LRSHTZPY | S52;P1.2  S49;P1.48#  S50;P1.7 |
| S52;P1.8 | *TFDBMAINT | *2TFDBMAINT | S47;P1.7  S48;P1.7  S51;P1.8 |
| S52;P1.10 | TSCHT2EN | 2TSCHT2ENA | S54;P1.10#  S51;P1.10  S52;P1.10 |
| S52;P1.12 | LRBHT2PE | 2LRBHT2PEYA | S50;P1.56#  S52;P1.12 |
| S52;P1.14 | *TSCTPS1 | *2TSCTPS1 | S48;P1.55#  S51;P1.14  S52;P1.14 |
| S52;P1.18 | *TSCTPSO | *2TSCTPS0 | S50;P1.49#  S51;P1.18  S52;P1.18 |
| S52;P1.20 | TSCHTZS1 | 2TSCHTZS1 | S50;P1.47#  S51;P1.20  S52;P1.20 |
| S52;P1.23 | ERSTP-1 | 2ERSTPYA-1 | S50;P1.57#  S54;P1.57  S53;P1.8 |
| S52;P1.25 | ERSTP-2 | 2ERSTPYA-2 | S52;P1.23#  S54;P1.55 |
| S52;P1.26 | ERST-1 | 2ERSTYA-1 | S52;P1.25#  S53;P1.57 |
| S52;P1.27 | ERST-2 | 2ERSTYA-2 | S52;P1.26#  S53;P1.55 |
| S52;P1.28 | ERSTP-3 | 2ERSTPYA-3 | S52;P1.27#  S54;P1.47 |
| S52;P1.29 | ERST-3 | 2ERSTYA-3 | S52;P1.28#  S53;P1.49 |
| S52;P1.30 | ERSTP-4 | 2ERSTPYA-4 | S52;P1.29#  S53;P1.47 |
| S52;P1.32 | ERST-4 | 2ERSTYA-4 | S52;P1.30#  S54;P1.45 |
| S52;P1.33 | ERSTP-5 | 2ERSTPYA-5 | S52;P1.32#  S53;P1.45 |
| S52;P1.34 | ERST-5 | 2ERSTYA-5 | S52;P1.33#  S54;P1.43 |
| S52;P1.35 | ERSTP-6 | 2ERSTPYA-6 | S52;P1.34# |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S52;P1.36 | ERST-6 | 2ERSTYA-6 | S52;P1.36#  S53;P1.43 |
| S52;P1.37 | ERSTP-7 | 2ERSTPYA-7 | S52;P1.37##  S54;P1.39 |
| S52;P1.38 | ERST-7 | 2ERSTYA-7 | S52;P1.38#  S53;P1.39 |
| S52;P1.39 | ERSTP-8 | 2ERSTPYA-8 | S52;P1.39#  S54;P1.37 |
| S52;P1.40 | ERST-8 | 2ERSTYA-8 | S52;P1.40#  S53;P1.37 |
| S52;P1.42 | ERST-9 | 2ERSTYA-9 | S52;P1.42#  S53;P1.33 |
| S52;P1.43 | ERSTP-9 | 2ERSTPYA-9 | S52;P1.43#  S54;P1.33 |
| S52;P1.44 | ERST-10 | 2ERSTYA-10 | S52;P1.44# |
| S52;P1.45 | ERSTP-10 | 2ERSTPYA-10 | S52;P1.45# |
| S52;P1.46 | ERST-11 | 2ERSTYA-11 | S52;P1.46# |
| S52;P1.47 | ERSTP-11 | 2ERSTPYA-11 | S52;P1.47# |
| S52;P1.48 | ERST-12 | 2ERSTYA-12 | S52;P1.48# |
| S52;P1.49 | ERSTP-12 | 2ERSTPYA-12 | S52;P1.49# |
| S52;P1.72 | TSCCLRADR | 2TSCCLRADR | S50;P1.58#  S52;P1.72 |
| S53;P1.2 | +5VIN | +5V53 | S53;P1.2  S53;P1.4 |
| S53;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23  S47;P1.3  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3  S52;P1.3  S53;P1.3  S54;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S60;P1.3  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S53;P1.4 | +5VIN | +5V53 | S53;P1.2  S53;P1.4 |
| S53;P1.5 | TGINT2 | 2TG0INT5 | S53;P1.5#  S88;P1.42 |
| S53;P1.7 | TGINT3 | 2TG0INT4 | S53;P1.7#  S88;P1.49 |
| S53;P1.8 | SERIN | 2ERSTYA-1 | S52;P1.26#  S53;P1.57  S53;P1.8 |
| S53;P1.9 | TGINT4 | 2TG0INT3 | S53;P1.9#  S88;P1.59 |
| S53;P1.12 | TGDATA8 | 2TG0INT8 | S53;P1.12#  S66;P1.43  S88;P1.37 |
| S53;P1.13 | TGINT5 | 2TG0INT2 | S53;P1.13#  S88;P1.62 |
| S53;P1.14 | TGDATA7 | 2TG0INT7 | S53;P1.14#  S88;P1.46 |
| S53;P1.15 | TGINT6 | 2TG0INT1 | S53;P1.15#  S88;P1.67 |
| S53;P1.16 | TGDATA6 | 2TG0INT6 | S53;P1.16#  S66;P1.42  S88;P1.43 |
| S53;P1.17 | TGINT7 | 2TG0INT0 | S53;P1.17#  S88;P1.68 |
| S53;P1.19 | TSCTCBSERLD | 2TSCTCBSERLD | S53;P1.19  S67;P1.43 |
| S53;P1.20 | TSCTCBWE | 2TSCTCBWE | S50;P1.24#  S67;P1.42 |
| S53;P1.22 | LAELSEROUT5 | 2LA0ELSER5 | S50;P1.23#  S54;P1.19  S87;P1.48 |
| S53;P1.23 | LAELSEROUT0 | 2LA0ELSER0 | S53;P1.22  S54;P1.20  S87;P1.3 |
| S53;P1.24 | LAELSEROUT4 | 2LA0ELSER4 | S84;P1.24  S87;P1.37 |
| S53;P1.25 | LAELSEROUT8 | 2LA0ELSER8 | S53;P1.25  S84;P1.52  S87;P1.66 |
| S53;P1.26 | LAELSEROUT3 | 2LA0ELSER3 | S53;P1.26  S84;P1.57  S87;P1.34 |
| S53;P1.27 | LAELSEROUT7 | 2LA0ELSER7 | S53;P1.27  S84;P1.47  S87;P1.56 |
| S53;P1.28 | LAELSEROUT2 | 2LA0ELSER2 | S53;P1.28  S84;P1.64  S87;P1.26 |
| S53;P1.29 | LAELSEROUT6 | 2LA0ELSER6 | S53;P1.29  S84;P1.35  S87;P1.54 |
| S53;P1.30 | LAELSEROUT1 | 2LA0ELSER1 | S53;P1.30  S84;P1.63  S87;P1.20 |
| S53;P1.32 | LRBLLAMBDA | 2LRBLLAMBDA | S48;P1.26#  S84;P1.29  S54;P1.32 |
| S53;P1.33 | ERSTY-9 | 2ERSTYA-9 | S52;P1.42#  S53;P1.32 |
| S53;P1.34 | ERSTX-9 | 2ERSTXA-9 | S51;P1.42#  S53;P1.33 |
| S53;P1.35 | LRSYSERM | 2LRSYSERM | S49;P1.56#  S53;P1.35  S54;P1.35 |
| S53;P1.36 | LRBCLAMP | 2LRBCLAMP | S48;P1.60#  S49;P1.70  S53;P1.36  S54;P1.36 |
| S53;P1.37 | ERSTY-8 | 2ERSTYA-8 | S52;P1.40#  S53;P1.37 |
| S53;P1.38 | LAELSEROUTM | GND53 | S53;P1.38  S53;P1.41 |
| S53;P1.39 | ERSTY-7 | 2ERSTYA-7 | S51;P1.38#  S53;P1.39 |
| S53;P1.40 | ERSTX-8 | 2ERSTXA-8 | S51;P1.40#  S53;P1.40 |
| S53;P1.41 | GROUND | GND53 | S53;P1.38  S53;P1.41 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S53;P1.42 | ERSTX-7 | 2ERSTXA-7 | S51;P1.38# |
| S53;P1.43 | ERSTY-6 | 2ERSTYA-6 | S52;P1.36# |
| S53;P1.44 | ERSTX-6 | 2ERSTXA-6 | S51;P1.36# |
| S53;P1.45 | ERSTY-5 | 2ERSTYA-5 | S52;P1.34# |
| S53;P1.46 | ERSTX-5 | 2ERSTXA-5 | S51;P1.34# |
| S53;P1.47 | ERSTY-4 | 2ERSTYA-4 | S52;P1.32# |
| S53;P1.48 | ERSTX-4 | 2ERSTXA-4 | S51;P1.32# |
| S53;P1.49 | ERSTY-3 | 2ERSTYA-3 | S52;P1.30# |
| S53;P1.50 | LRSXSERM | 2LRSXSERM | S49;P1.15#   S54;P1.50 |
| S53;P1.52 | ERSTX-3 | 2ERSTXA-3 | S51;P1.30# |
| S53;P1.54 | ERSTY-2 | 2ERSTYA-2 | S51;P1.28# |
| S53;P1.55 | ERSTX-2 | 2ERSTXA-2 | S52;P1.28# |
| S53;P1.56 | ERSTY-1 | 2ERSTYA-1 | S51;P1.26# |
| S53;P1.57 | ERSTX-1 | 2ERSTXA-1 | S52;P1.26# |
| S53;P1.59 | CMSHIFT | CMSHIFT | S15;P1.28  S53;P1.56  S46;P1.6  S53;P1.59  S54;P1.59  S5;P1.12  S53;P1.8  S69;P1.12  S79;P1.28  S83;P1.26  S94;P1.29  S30;P1.29  S19;P1.26  S63;P1.59 |
| S53;P1.63 | TSCTMCNTL3 | 2TSCTMCNTL3A | S50;P1.52#  S53;P1.63  S54;P1.63 |
| S53;P1.65 | TSCTMCNTL2 | 2TSCTMCNTL2 | S50;P1.78#  S53;P1.65  S54;P1.65 |
| S53;P1.66 | *CMCHAN0 | *CMCHN2 | S46;P1.53  S53;P1.66  S69;P1.5  S79;P1.52  S83;P1.3 |
| S53;P1.67 | TSCTMCNTL1 | 2TSCTMCNTL1 | S50;P1.77#  S53;P1.67  S54;P1.67 |
| S53;P1.69 | TSCTMCNTL0 | 2TSCTMCNTL0 | S50;P1.76#  S53;P1.69  S54;P1.69 |
| S53;P1.72 | TGINT0 | 2TGSERIN | S53;P1.72#  S54;P1.8 |
| S54;P1.2 | +5VIN | +5V54 | S54;P1.2  S54;P1.4 |
| S54;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23  S47;P1.3  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3  S52;P1.3  S53;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S60;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S54;P1.4 | +5VIN | +5V54 | S54;P1.2  S54;P1.4 |
| S54;P1.5 | TGINT2 | 2TG1INT5 | S54;P1.5#  S88;P1.50 |
| S54;P1.6 | *ITSME | *IMHERE | S15;P1.80  S69;P1.6  S19;P1.50#  S79;P1.80  S54;P1.6#  S5;P1.6  S64;P1.6# |
| S54;P1.7 | TGINT3 | 2TG1INT4 | S54;P1.7#  S88;P1.39 |
| S54;P1.8 | SERIN | 2TGSERIN | S53;P1.72#  S54;P1.8 |
| S54;P1.9 | TGINT4 | 2TG1INT3 | S54;P1.9#  S88;P1.60 |
| S54;P1.10 | *TGMAINT | *2TFDBMAINT | S47;P1.7  S48;P1.7  S50;P1.7  S51;P1.8  S52;P1.8 |
| S54;P1.12 | TGDATA8 | 2TG1INT8 | S54;P1.12#  S66;P1.45 |
| S54;P1.13 | TGINT5 | 2TG1INT2 | S54;P1.13#  S88;P1.64  S67;P1.45  S88;P1.38 |
| S54;P1.14 | TGDATA7 | 2TG1INT7 | S54;P1.14#  S88;P1.45 |
| S54;P1.15 | TGINT6 | 2TG1INT1 | S54;P1.15#  S88;P1.70  S67;P1.44  S88;P1.44 |
| S54;P1.16 | TGDATA6 | 2TG1INT6 | S54;P1.16#  S66;P1.44 |
| S54;P1.17 | TGINT7 | 2TG1INT0 | S54;P1.17#  S88;P1.65 |
| S54;P1.19 | TSCTCBSERLD | 2TSCTCBSERLD | S50;P1.24#  S53;P1.19  S54;P1.19 |
| S54;P1.20 | TSCTCBWE | 2TSCTCBWE | S50;P1.23#  S53;P1.20  S54;P1.20 |
| S54;P1.22 | LAELSEROUT5 | 2LA1ELSER5 | S54;P1.22  S85;P1.52  S86;P1.48 |
| S54;P1.23 | LAELSEROUT0 | 2LA1ELSER0 | S54;P1.23  S85;P1.28  S86;P1.3 |
| S54;P1.24 | LAELSEROUT4 | 2LA1ELSER4 | S54;P1.24  S85;P1.47  S86;P1.37 |
| S54;P1.25 | LAELSEROUT8 | 2LA1ELSER8 | S54;P1.25  S85;P1.64  S86;P1.66 |
| S54;P1.26 | LAELSEROUT3 | 2LA1ELSER3 | S54;P1.26  S85;P1.35  S86;P1.34 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | | |
|---|---|---|---|---|---|---|---|---|
| S54;P1.27 | LAELSEROUT7 | 2LA1ELSER7 | S54;P1.27 | S85;P1.63 | S86;P1.56 | | | |
| S54;P1.28 | LAELSEROUT2 | 2LA1ELSER2 | S54;P1.28 | S85;P1.29 | S86;P1.26 | | | |
| S54;P1.29 | LAELSEROUT6 | 2LA1ELSER6 | S54;P1.29 | S85;P1.53 | S86;P1.54 | | | |
| S54;P1.30 | LAELSEROUT1 | 2LA1ELSER1 | S54;P1.30 | S85;P1.24 | S86;P1.20 | | | |
| S54;P1.32 | LRBLLAMBDA | 2LRBLLAMBDA | S48;P1.26# | S53;P1.32 | S54;P1.32 | | | |
| S54;P1.33 | ERSTY-9 | 2ERSTPYA-9 | S52;P1.43# | S54;P1.33 | | | | |
| S54;P1.34 | ERSTX-9 | 2ERSTPXA-9 | S51;P1.43# | S54;P1.34 | | | | |
| S54;P1.35 | LRSYSERM | 2LRSYSERM | S49;P1.56# | S53;P1.35 | S54;P1.35 | | | |
| S54;P1.36 | LRBCLAMP | 2LRBCLAMP | S48;P1.60# | S49;P1.70 | S53;P1.36 | S54;P1.36 | | |
| S54;P1.37 | ERSTY-8 | 2ERSTPYA-8 | S52;P1.39# | S54;P1.37 | | | | |
| S54;P1.38 | LAELSEROUTM | GND54 | S54;P1.38 | | | | | |
| S54;P1.39 | ERSTY-7 | 2ERSTPYA-7 | S52;P1.37# | S54;P1.39 | | | | |
| S54;P1.40 | ERSTX-8 | 2ERSTPXA-8 | S51;P1.39# | S54;P1.40 | | | | |
| S54;P1.41 | GROUND | GND54 | S54;P1.38 | | | | | |
| S54;P1.42 | ERSTX-7 | 2ERSTPXA-7 | S51;P1.37# | S54;P1.42 | | | | |
| S54;P1.43 | ERSTY-6 | 2ERSTPYA-6 | S52;P1.35# | S54;P1.43 | | | | |
| S54;P1.44 | ERSTX-6 | 2ERSTPXA-6 | S51;P1.35# | S54;P1.44 | | | | |
| S54;P1.45 | ERSTY-5 | 2ERSTPYA-5 | S52;P1.33# | S54;P1.45 | | | | |
| S54;P1.46 | ERSTX-5 | 2ERSTPXA-5 | S51;P1.33# | S54;P1.46 | | | | |
| S54;P1.47 | ERSTY-4 | 2ERSTPYA-4 | S52;P1.29# | S54;P1.47 | | | | |
| S54;P1.48 | ERSTX-4 | 2ERSTPXA-4 | S51;P1.29# | S54;P1.48 | | | | |
| S54;P1.49 | ERSTY-3 | 2ERSTPYA-3 | S52;P1.27# | S54;P1.49 | | | | |
| S54;P1.50 | LRSXSERM | 2LRSXSERM | S49;P1.15# | S53;P1.50 | S54;P1.50 | | | |
| S54;P1.52 | ERSTX-3 | 2ERSTPXA-3 | S51;P1.27# | S54;P1.52 | | | | |
| S54;P1.54 | ERSTX-2 | 2ERSTPXA-2 | S51;P1.25# | S54;P1.54 | | | | |
| S54;P1.55 | ERSTY-2 | 2ERSTPYA-2 | S52;P1.25# | S54;P1.55 | | | | |
| S54;P1.56 | ERSTX-1 | 2ERSTPXA-1 | S51;P1.23# | S54;P1.56 | | | | |
| S54;P1.57 | ERSTY-1 | 2ERSTPYA-1 | S52;P1.23# | S54;P1.57 | | | | |
| S54;P1.59 | CMSHIFT | CMSHIFT | S15;P1.28 | S19;P1.26 | S30;P1.29 | S46;P1.6 | S53;P1.59 | S54;P1.59 |
| | | | S5;P1.12 | S63;P1.59 | S64;P1.59 | S69;P1.12 | S79;P1.28 | S83;P1.26 |
| | | | S94;P1.29 | | | | | |
| S54;P1.63 | TSCTMCNTL3 | 2TSCTMCNTL3A | S50;P1.52# | S53;P1.63 | S54;P1.63 | | | |
| S54;P1.65 | TSCTMCNTL2 | 2TSCTMCNTL2 | S50;P1.78# | S53;P1.65 | S54;P1.65 | | | |
| S54;P1.66 | *CMCHAN0 | *CMCHN2 | S46;P1.53 | S53;P1.66 | S54;P1.66 | S69;P1.5 | S79;P1.52 | S83;P1.3 |
| | | | S94;P1.45 | | | | | |
| S54;P1.67 | TSCTMCNTL1 | 2TSCTMCNTL1 | S50;P1.77# | S53;P1.67 | S54;P1.67 | | | |
| S54;P1.68 | CMDEVEN0 | CMDEVEN6 | S46;P1.62 | S54;P1.68 | S64;P1.68 | | | |
| S54;P1.69 | TSCTMCNTL0 | 2TSCTMCNTL0 | S50;P1.76# | S53;P1.69 | S54;P1.69 | | | |
| S54;P1.70 | TGSEROUT | MDOUT | S15;P1.76 | S19;P1.55# | S46;P1.9 | S54;P1.70# | S5;P1.7 | S64;P1.70# |
| | | | S69;P1.7 | S79;P1.76 | S83;P1.55# | | | |
| S57;P1.2 | +5VIN | +5V57 | S57;P1.2 | S57;P1.4 | S57;P1.6 | S49;P1.3 | S50;P1.3 | S51;P1.3 |
| S57;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23 | S47;P1.3 | S48;P1.3 | S57;P1.3 | S58;P1.3 | S59;P1.3 |
| | | | S52;P1.3 | S53;P1.3 | S54;P1.3 | S60;P1.3 | S64;P1.3 | |
| | | | S60;P1.3 | S61;P1.3 | S62;P1.3 | | | |
| S57;P1.4 | +5VIN | +5V57 | S57;P1.2 | S57;P1.4 | S57;P1.6 | | | |
| S57;P1.6 | +5VIN | +5V57 | S57;P1.2 | S57;P1.4 | S57;P1.6 | | | |
| S57;P1.7 | *TFDBMAINT | *1TFDBMAINT | S57;P1.7 | S58;P1.7 | S59;P1.7 | S60;P1.7 | | |
| | | | S64;P1.10# | | | | | |
| S57;P1.8 | LRRDD15 | 1LRRDD15 | S57;P1.8# | S60;P1.28 | | | S61;P1.8 | S62;P1.8 |
| S57;P1.14 | TSCLRRCNTL3 | 1TSCLRRCNTL3 | S57;P1.14 | S60;P1.19# | | | | |

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SP1T DP
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FIELD RPT BY PIN#          10-FEB-89   09:24:37   PAGE   59

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN PIN NAME | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S57;P1.15 | LRRPZINV | 1LRRPZINV | S57;P1.15#  S58;P1.56 |
| S57;P1.16 | TSCLRRCNTL2 | 1TSCLRRCNTL2 | S57;P1.16  S60;P1.18# |
| S57;P1.18 | TSCLRRCNTL1 | 1TSCLRRCNTL1 | S57;P1.18  S60;P1.17# |
| S57;P1.20 | TSCLRRCNTL0 | 1TSCLRRCNTL0 | S57;P1.20  S60;P1.16# |
| S57;P1.30 | LRRSEROUT | 1LRRSEROUT | S57;P1.30#  S58;P1.52 |
| S57;P1.40 | SERIN | CMSEROUT | S57;P1.5  S65;P1.23  S17;P1.5  S72;P1.45  S1;P1.23  S79;P1.70  S46;P1.37  S81;P1.5  S47;P1.40  S8;P1.45  S57;P1.40 |
| S57;P1.46 | LRRHTZABOUT | 1LRRHTZABOUT | S57;P1.46#  S58;P1.48 |
| S57;P1.54 | LRRHTZOUT | 1LRRHTZOUT | S57;P1.54#  S58;P1.46  S59;P1.16  S59;P1.34 |
| S57;P1.58 | DDMD4 | 1DDXMD4 | S17;P1.77#  S6;P1.55  S26;P1.55  S7;P1.55  S4;P1.17  S57;P1.58  S58;P1.40  S59;P1.30 |
| S57;P1.59 | DDMD0 | 1DDXMD0 | S17;P1.46#  S6;P1.44  S26;P1.50  S7;P1.44  S4;P1.80  S57;P1.59  S58;P1.45  S59;P1.35 |
| S57;P1.60 | DDMD5 | 1DDXMD5 | S17;P1.73#  S6;P1.42  S26;P1.56  S7;P1.42  S4;P1.15  S57;P1.60  S58;P1.39  S59;P1.36 |
| S57;P1.62 | DDMD6 | 1DDXMD6 | S17;P1.75#  S6;P1.40  S26;P1.57  S7;P1.40  S4;P1.13  S57;P1.62  S58;P1.38  S59;P1.29 |
| S57;P1.63 | DDMD1 | 1DDXMD1 | S17;P1.50#  S6;P1.39  S26;P1.52  S7;P1.39  S4;P1.78  S57;P1.63  S58;P1.44  S59;P1.37 |
| S57;P1.64 | DDMD7 | 1DDXMD7 | S17;P1.76#  S6;P1.46  S26;P1.58  S7;P1.46  S4;P1.10  S57;P1.64  S58;P1.37  S59;P1.32 |
| S57;P1.65 | DDMD2 | 1DDXMD2 | S17;P1.56#  S6;P1.64  S26;P1.53  S7;P1.64  S4;P1.76  S57;P1.65  S58;P1.43  S58;P1.36 |
| S57;P1.66 | DDMD8 | 1DDXMD8 | S17;P1.65#  S59;P1.38  S26;P1.59  S6;P1.18  S4;P1.32  S30;P1.67  S7;P1.18  S57;P1.66  S58;P1.42  S59;P1.33 |
| S57;P1.67 | DDMD3 | 1DDXMD3 | S17;P1.52#  S6;P1.37  S26;P1.54  S7;P1.37  S57;P1.67  S58;P1.35 |
| S57;P1.68 | DDMD9 | 1DDXMD9 | S17;P1.60  S59;P1.39  S26;P1.60  S6;P1.48  S4;P1.29  S30;P1.66  S7;P1.48  S57;P1.68  S58;P1.34 |
| S57;P1.69 | TSCLRRADR0 | 1TSCLRRADR0 | S57;P1.69  S60;P1.73#  S4;P1.27  S30;P1.65  S7;P1.30  S57;P1.70 |
| S57;P1.70 | DDMD10 | 1DDXMD10 | S17;P1.68#  S59;P1.40  S26;P1.62  S6;P1.30  S58;P1.33 |
| S57;P1.72 | DDMD11 | 1DDXMD11 | S17;P1.66#  S59;P1.42  S26;P1.63  S6;P1.43  S4;P1.25  S57;P1.72 |
| S57;P1.73 | TSCLRRADR1 | 1TSCLRRADR1 | S57;P1.73  S60;P1.10#  S30;P1.64  S7;P1.43  S58;P1.32 |
| S57;P1.74 | DDMD12 | 1DDXMD12 | S17;P1.63#  S6;P1.22  S26;P1.64  S7;P1.22  S57;P1.74  S59;P1.44 |
| S57;P1.75 | TSCLRRADR2 | 1TSCLRRADR2 | S57;P1.75  S60;P1.12#  S30;P1.60  S59;P1.45  S6;P1.27 |
| S57;P1.76 | DDMD13 | 1DDXMD13 | S17;P1.58#  S7;P1.27  S26;P1.65  S30;P1.59  S57;P1.76 |
| S57;P1.77 | TSCLRRADR3 | 1TSCLRRADR3 | S57;P1.77  S60;P1.13#  S30;P1.49  S32;P1.49  S57;P1.78  S59;P1.43 |
| S57;P1.78 | DDMD14 | 1DDXMD14 | S17;P1.64#  S6;P1.28  S26;P1.66  S7;P1.28 |
| S57;P1.79 | TSCLRRADR4 | 1TSCLRRADR4 | S57;P1.79  S60;P1.14#  S30;P1.50  S32;P1.50  S57;P1.80  S59;P1.47 |
| S57;P1.80 | DDMD15 | 1DDXMD15 | S17;P1.57#  S6;P1.62  S26;P1.67  S7;P1.62 |
| S58;P1.2 | +5VIN | +5V58 | S58;P1.4  S58;P1.2  S46;P1.23  S47;P1.3  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3 |
| S58;P1.3 | *CMCLK | *CMCLK6 | S52;P1.3  S60;P1.3  S53;P1.3  S61;P1.3  S54;P1.3  S62;P1.3  S63;P1.3  S64;P1.3  S57;P1.3  S58;P1.3  S59;P1.3 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S58;P1.4 | +5VIN | +5V58 | S58;P1.2  S58;P1.4  S59;P1.7  S60;P1.7  S61;P1.8  S62;P1.8 |
| S58;P1.7 | *TFDBMAINT | *1TFDBMAINT | S57;P1.7  S58;P1.7  S64;P1.10# |
| S58;P1.26 | LRBLLAMBDA | 1LRBLLAMBDA | S58;P1.26#  S63;P1.32  S64;P1.32  S6;P1.22 |
| S58;P1.32 | DDMD12 | 1DDXMD12 | S17;P1.66#  S26;P1.63  S30;P1.60  S57;P1.74  S58;P1.32  S59;P1.44  S59;P1.42 |
| S58;P1.33 | DDMD11 | 1DDXMD11 | S17;P1.68#  S26;P1.62  S30;P1.64  S4;P1.25  S57;P1.72  S58;P1.33  S59;P1.40 |
| S58;P1.34 | DDMD10 | 1DDXMD10 | S17;P1.60  S26;P1.60  S30;P1.65  S4;P1.27  S57;P1.70  S58;P1.34  S59;P1.39 |
| S58;P1.35 | DDMD9 | 1DDXMD9 | S17;P1.65#  S26;P1.59  S30;P1.66  S4;P1.29  S57;P1.68  S58;P1.35  S59;P1.38 |
| S58;P1.36 | DDMD8 | 1DDXMD8 | S17;P1.76#  S26;P1.58  S30;P1.67  S4;P1.32  S57;P1.66  S58;P1.36  S6;P1.46 |
| S58;P1.37 | DDMD7 | 1DDXMD7 | S17;P1.75#  S26;P1.57  S7;P1.18  S57;P1.64  S58;P1.37  S59;P1.37  S6;P1.40 |
| S58;P1.38 | DDMD6 | 1DDXMD6 | S17;P1.73#  S26;P1.56  S4;P1.10  S57;P1.62  S58;P1.38  S59;P1.36  S6;P1.42 |
| S58;P1.39 | DDMD5 | 1DDXMD5 | S17;P1.77#  S26;P1.55  S4;P1.13  S57;P1.60  S58;P1.39  S59;P1.35  S6;P1.55 |
| S58;P1.40 | DDMD4 | 1DDXMD4 | S17;P1.52#  S26;P1.54  S4;P1.15  S57;P1.58  S58;P1.40  S59;P1.34  S6;P1.37 |
| S58;P1.42 | DDMD3 | 1DDXMD3 | S17;P1.56#  S26;P1.53  S4;P1.17  S57;P1.67  S58;P1.42  S59;P1.33  S6;P1.64 |
| S58;P1.43 | DDMD2 | 1DDXMD2 | S17;P1.50#  S26;P1.52  S4;P1.74  S57;P1.65  S58;P1.43  S59;P1.32  S6;P1.39 |
| S58;P1.44 | DDMD1 | 1DDXMD1 | S17;P1.46#  S26;P1.50  S4;P1.76  S57;P1.63  S58;P1.44  S59;P1.29  S6;P1.44 |
| S58;P1.45 | DDMD0 | 1DDXMD0 | S4;P1.78  S57;P1.59  S58;P1.45  S59;P1.30 |
| S58;P1.46 | LRRHTZOUT | 1LRRHTZOUT | S57;P1.54#  S58;P1.46  S59;P1.16 |
| S58;P1.48 | LRRHTZABOUT | 1LRRHTZABOUT | S57;P1.46#  S58;P1.48  S59;P1.48 |
| S58;P1.52 | SERIN | 1LRRSEROUT | S57;P1.30#  S58;P1.52  S59;P1.52 |
| S58;P1.53 | LRBHTZPEXA | 1LRBHTZPEXA | S58;P1.53#  S61;P1.12  S61;P1.53 |
| S58;P1.55 | LRBHTZPEYA | 1LRBHTZPEYA | S58;P1.55#  S62;P1.12  S62;P1.53 |
| S58;P1.56 | LRRPZINV | 1LRRPZINV | S57;P1.15#  S58;P1.56  S59;P1.56 |
| S58;P1.60 | LRBCLAMP | 1LRBCLAMP | S58;P1.60#  S59;P1.70  S59;P1.59# |
| S58;P1.73 | TSCLRBCNTL0 | 1TSCLRBCNTL0 | S58;P1.73  S60;P1.73  S60;P1.59# |
| S58;P1.75 | TSCLRBCNTL1 | 1TSCLRBCNTL1 | S58;P1.75  S60;P1.75  S60;P1.60# |
| S58;P1.77 | TSCLRBCNTL2 | 1TSCLRBCNTL2 | S58;P1.77  S60;P1.77  S60;P1.62# |
| S58;P1.79 | TSCLRBCNTL3 | 1TSCLRBCNTL3 | S58;P1.79  S60;P1.79  S60;P1.63# |
| S59;P1.2 | +5VIN | +5V59 | S59;P1.2  S59;P1.4  S59;P1.7  S60;P1.7  S61;P1.8  S62;P1.8 |
| S59;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23  S47;P1.3  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3  S52;P1.3  S53;P1.3  S54;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  S60;P1.3  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S59;P1.4 | +5VIN | +5V59 | S59;P1.2  S59;P1.4  S59;P1.7  S60;P1.7  S61;P1.8  S62;P1.8 |
| S59;P1.7 | *TFDBMAINT | *1TFDBMAINT | S57;P1.7  S58;P1.7  S59;P1.7  S64;P1.10# |
| S59;P1.15 | LRSXSERM | 1LRSXSERM | S59;P1.15#  S63;P1.50  S64;P1.50 |
| S59;P1.16 | LRRHTZOUT | 1LRRHTZOUT | S57;P1.54#  S58;P1.46  S59;P1.16 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S59;P1.17 | TSCLRSADR0 | 1TSCLRSADR0 | S59;P1.17  S60;P1.64# |
| S59;P1.19 | TSCLRSADR1 | 1TSCLRSADR1 | S59;P1.19  S60;P1.65# |
| S59;P1.23 | TSCLRSADR2 | 1TSCLRSADR2 | S59;P1.23  S60;P1.66# |
| S59;P1.25 | TSCLRSADR3 | 1TSCLRSADR3 | S59;P1.25  S60;P1.67# |
| S59;P1.29 | DDMD1 | 1DDXMD1 | S59;P1.50#  S26;P1.52  S4;P1.78  S57;P1.63  S58;P1.44  S59;P1.29  /  S6;P1.39  S7;P1.39 |
| S59;P1.30 | DDMD0 | 1DDXMD0 | S17;P1.46#  S26;P1.50  S4;P1.80  S57;P1.59  S58;P1.45  S59;P1.30  /  S6;P1.44  S7;P1.44 |
| S59;P1.32 | DDMD2 | 1DDXMD2 | S17;P1.56#  S26;P1.53  S4;P1.76  S57;P1.65  S58;P1.43  S59;P1.32  /  S6;P1.64  S7;P1.64 |
| S59;P1.33 | DDMD3 | 1DDXMD3 | S17;P1.52#  S26;P1.54  S4;P1.74  S57;P1.67  S58;P1.42  S59;P1.33  /  S6;P1.37  S7;P1.37 |
| S59;P1.34 | DDMD4 | 1DDXMD4 | S17;P1.77#  S26;P1.55  S4;P1.17  S57;P1.58  S58;P1.40  S59;P1.34  /  S6;P1.55  S7;P1.55 |
| S59;P1.35 | DDMD5 | 1DDXMD5 | S17;P1.73#  S26;P1.56  S4;P1.15  S57;P1.60  S58;P1.39  S59;P1.35  /  S6;P1.42  S7;P1.42 |
| S59;P1.36 | DDMD6 | 1DDXMD6 | S17;P1.75#  S26;P1.57  S4;P1.13  S57;P1.62  S58;P1.38  S59;P1.36  /  S6;P1.40  S7;P1.40 |
| S59;P1.37 | DDMD7 | 1DDXMD7 | S17;P1.76#  S26;P1.58  S4;P1.10  S57;P1.64  S58;P1.37  S59;P1.37  /  S6;P1.46  S7;P1.46 |
| S59;P1.38 | DDMD8 | 1DDXMD8 | S17;P1.65#  S26;P1.59  S30;P1.67  S4;P1.32  S57;P1.66  S58;P1.36  /  S7;P1.18 |
| S59;P1.39 | DDMD9 | 1DDXMD9 | S17;P1.60  S26;P1.60  S30;P1.66  S4;P1.29  S57;P1.68  S58;P1.35  /  S7;P1.48 |
| S59;P1.40 | DDMD10 | 1DDXMD10 | S17;P1.68#  S26;P1.62  S30;P1.65  S4;P1.27  S57;P1.70  S58;P1.34  /  S7;P1.30 |
| S59;P1.42 | DDMD11 | 1DDXMD11 | S17;P1.66#  S26;P1.63  S30;P1.64  S4;P1.25  S57;P1.72  S58;P1.33  /  S7;P1.43 |
| S59;P1.43 | DDMD14 | 1DDXMD14 | S17;P1.64#  S26;P1.66  S30;P1.49  S32;P1.49  S57;P1.78  S59;P1.43  /  S7;P1.28 |
| S59;P1.44 | DDMD12 | 1DDXMD12 | S17;P1.63#  S26;P1.64  S30;P1.60  S57;P1.74  S58;P1.32  S59;P1.44  /  S7;P1.22 |
| S59;P1.45 | DDMD13 | 1DDXMD13 | S17;P1.58#  S26;P1.65  S30;P1.59  S57;P1.76  S59;P1.45  S6;P1.27  /  S7;P1.27 |
| S59;P1.46 | LRSHTZPX | 1LRSHTZPX | S59;P1.46#  S61;P1.7  S30;P1.50  S32;P1.50  S57;P1.80 |
| S59;P1.47 | DDMD15 | 1DDMD15 | S17;P1.57#  S26;P1.67  S7;P1.62 |
| S59;P1.48 | LRSHTZPY | 1LRSHTZPY | S59;P1.48#  S62;P1.7 |
| S59;P1.50 | LRSCNTLOUT | 1LRSCNTLOUT | S59;P1.50#  S60;P1.9 |
| S59;P1.56 | LRSYSERM | 1LRSYSERM | S59;P1.56#  S63;P1.35  S64;P1.35 |
| S59;P1.70 | SERIN | 1LRBCLAMP | S58;P1.60#  S59;P1.70  S63;P1.36  S64;P1.36 |
| S59;P1.73 | TSCLRSCNTL0 | 1TSCLRSCNTL0 | S59;P1.73  S60;P1.68# |
| S59;P1.74 | TSCLRSCNTL1 | 1TSCLRSCNTL1 | S59;P1.74  S60;P1.69# |
| S59;P1.75 | TSCLRSCNTL2 | 1TSCLRSCNTL2 | S59;P1.75  S60;P1.70# |
| S59;P1.76 | TSCLRSCNTL3 | 1TSCLRSCNTL3 | S59;P1.76  S60;P1.72# |
| S60;P1.2 | +5VIN | +5V60 | S60;P1.2  S60;P1.4 |
| S60;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23  S47;P1.3  S48;P1.3  S49;P1.3  S50;P1.3  S51;P1.3  /  S52;P1.3  S53;P1.3  S54;P1.3  S57;P1.3  S58;P1.3  S59;P1.3  /  S61;P1.3  S62;P1.3  S63;P1.3  S64;P1.3 |
| S60;P1.4 | +5VIN | +5V60 | S60;P1.2  S60;P1.4 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S60;P1.5 | *CMRESET | *CMGRE1 | S10;P1.73 S11;P1.73 S12;P1.73 S13;P1.73 S14;P1.10 S15;P1.64 S16;P1.80 S17;P1.78 S18;P1.78 S19;P1.46 S46;P1.15 S50;P1.5 S60;P1.5 S74;P1.73 S75;P1.73 S76;P1.73 S77;P1.73 S78;P1.10 S79;P1.64 S80;P1.80 S81;P1.78 S82;P1.78 S83;P1.46 |
| S60;P1.6 | ACDPDONE | DPDONEBUSS | S19;P1.9# S46;P1.10 S50;P1.6 S60;P1.6 S61;P1.8 S62;P1.8 S83;P1.9# |
| S60;P1.7 | *TFDBMAINT | *1TFDBMAINT | S57;P1.7 S58;P1.7 S59;P1.7 S60;P1.7 S61;P1.8 S62;P1.8 |
| S60;P1.8 | DDXB0 | 1DDXB0 | S1;P1.63 S30;P1.43 S32;P1.43 S60;P1.8 |
| S60;P1.9 | SERIN | 1LRSCNTLOUT | S59;P1.50# S60;P1.9 |
| S60;P1.10 | TSCLRRADR1 | 1TSCLRRADR1 | S57;P1.73 S60;P1.10# |
| S60;P1.12 | TSCLRRADR2 | 1TSCLRRADR2 | S57;P1.75 S60;P1.12# |
| S60;P1.13 | TSCLRRADR3 | 1TSCLRRADR3 | S57;P1.77 S60;P1.13# |
| S60;P1.14 | TSCLRRADR4 | 1TSCLRRADR4 | S57;P1.79 S60;P1.14# |
| S60;P1.16 | TSCLRRCNTL0 | 1TSCLRRCNTL0 | S57;P1.20 S60;P1.16# |
| S60;P1.17 | TSCLRRCNTL1 | 1TSCLRRCNTL1 | S57;P1.18 S60;P1.17# |
| S60;P1.18 | TSCLRRCNTL2 | 1TSCLRRCNTL2 | S57;P1.16 S60;P1.18# |
| S60;P1.19 | TSCLRRCNTL3 | 1TSCLRRCNTL3 | S57;P1.14 S60;P1.19# |
| S60;P1.23 | TSCTCBWE | 1TSCTCBWE | S60;P1.23# S63;P1.20 S64;P1.20 |
| S60;P1.24 | TSCTCBSERLD | 1TSCTCBSERLD | S60;P1.24# S63;P1.19 S64;P1.19 |
| S60;P1.28 | LRRDD15 | 1LRRDD15 | S57;P1.8# S60;P1.28 |
| S60;P1.29 | ACDRAWSURF | 1ACDRAWSURF | S16;P1.29 S19;P1.18# S24;P1.19 S26;P1.74 S28;P1.74 |
| S60;P1.30 | DDYB2 | 1DDYB2 | S18;P1.17# S30;P1.70 S32;P1.70 S5;P1.55 S5;P1.30 |
| S60;P1.32 | DDYB3 | 1DDYB3 | S15;P1.23 S19;P1.5 S30;P1.69 S32;P1.69 S5;P1.80 |
| S60;P1.33 | DDYB4 | 1DDYB4 | S18;P1.13# S19;P1.6 S30;P1.68 S32;P1.68 S5;P1.43 |
| S60;P1.34 | DDYB5 | 1DDYB5 | S18;P1.14# S19;P1.45 S5;P1.56 S30;P1.34 S60;P1.34 |
| S60;P1.35 | DDYB6 | 1DDYB6 | S18;P1.7# S19;P1.44 S30;P1.47 S32;P1.47 S60;P1.35 |
| S60;P1.36 | DDYB7 | 1DDYB7 | S18;P1.8# S19;P1.76 S5;P1.58 S60;P1.36 |
| S60;P1.37 | ACDDAVAIL | 1ACDDAVAIL | S15;P1.46 S19;P1.37# S5;P1.26 S60;P1.37 |
| S60;P1.38 | *DPDECODE | *1DPDECODE | S15;P1.44 S19;P1.32# S5;P1.24 S60;P1.38# |
| S60;P1.39 | *DPACCEPT | *1DPACCEPT | S15;P1.53 S19;P1.16# S5;P1.23 S60;P1.39# |
| S60;P1.40 | DDXB1 | 1DDXB1 | S17;P1.37# S1;P1.65 S30;P1.42 S32;P1.42 S60;P1.40 |
| S60;P1.42 | DDXB2 | 1DDXB2 | S17;P1.17# S1;P1.67 S30;P1.35 S32;P1.35 S60;P1.42 |
| S60;P1.43 | DDXB6 | 1DDXB6 | S17;P1.7# S1;P1.77 S60;P1.43 |
| S60;P1.44 | DDXB3 | 1DDXB3 | S17;P1.15# S1;P1.69 S30;P1.38 S32;P1.38 S60;P1.44 |
| S60;P1.45 | DDXB7 | 1DDXB7 | S17;P1.8# S1;P1.79 S60;P1.45 |
| S60;P1.46 | DDXB4 | 1DDXB4 | S17;P1.13# S1;P1.73 S30;P1.46 S60;P1.46 |
| S60;P1.47 | *TSCTPS0 | *1TSCTPS0 | S60;P1.47# S61;P1.18 S62;P1.18 S30;P1.63 |
| S60;P1.48 | DDXB5 | 1DDXB5 | S17;P1.14# S19;P1.60 S1;P1.75 S60;P1.48 |
| S60;P1.49 | *TSCTPS1 | *1TSCTPS1 | S60;P1.49# S61;P1.14 S62;P1.14 |
| S60;P1.52 | TSCTMCNTL3A | 1TSCTMCNTL3A | S60;P1.52# S63;P1.63 S64;P1.63 |
| S60;P1.56 | TSCHTZENA | 1TSCHTZENA | S60;P1.56# S61;P1.10 S62;P1.10 |
| S60;P1.57 | TSCHTZS1 | 1TSCHTZS1 | S60;P1.57# S61;P1.20 S62;P1.20 |
| S60;P1.58 | TSCCLRADR | 1TSCCLRADR | S60;P1.58# S61;P1.72 S62;P1.72 |
| S60;P1.59 | TSCLRBCNTL0 | 1TSCLRBCNTL0 | S58;P1.73 S60;P1.59# |
| S60;P1.60 | TSCLRBCNTL1 | 1TSCLRBCNTL1 | S58;P1.75 S60;P1.60# |
| S60;P1.62 | TSCLRBCNTL2 | 1TSCLRBCNTL2 | S58;P1.77 S60;P1.62# |
| S60;P1.63 | TSCLRBCNTL3 | 1TSCLRBCNTL3 | S58;P1.79 S60;P1.63# |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S60;P1.64 | TSCLRSADR0 | 1TSCLRSADR0 | S59;P1.17 S60;P1.64# |
| S60;P1.65 | TSCLRSADR1 | 1TSCLRSADR1 | S59;P1.19 S60;P1.65# |
| S60;P1.66 | TSCLRSADR2 | 1TSCLRSADR2 | S59;P1.23 S60;P1.66# |
| S60;P1.67 | TSCLRSADR3 | 1TSCLRSADR3 | S59;P1.25 S60;P1.67# |
| S60;P1.68 | TSCLRSCNTL0 | 1TSCLRSCNTL0 | S59;P1.73 S60;P1.68# |
| S60;P1.69 | TSCLRSCNTL1 | 1TSCLRSCNTL1 | S59;P1.74 S60;P1.69# |
| S60;P1.70 | TSCLRSCNTL2 | 1TSCLRSCNTL2 | S59;P1.75 S60;P1.70# |
| S60;P1.72 | TSCLRSCNTL3 | 1TSCLRSCNTL3 | S59;P1.76 S60;P1.72# |
| S60;P1.73 | TSCLRRADR0 | 1TSCLRRADR0 | S57;P1.69 S60;P1.73# |
| S60;P1.74 | TSCDATALOAD | 1TSCDATALOAD | S60;P1.74# S60;P1.5 S61;P1.6 |
| S60;P1.76 | TSCTMCNTL0 | 1TSCTMCNTL0 | S60;P1.76# S63;P1.69 S64;P1.69 |
| S60;P1.77 | TSCTMCNTL1 | 1TSCTMCNTL1 | S60;P1.77# S63;P1.67 S64;P1.67 |
| S60;P1.78 | TSCTMCNTL2 | 1TSCTMCNTL2 | S60;P1.78# S63;P1.65 S64;P1.65 |
| S61;P1.2 | +5VIN | +5V61 | S61;P1.2 S61;P1.4 S61;P1.6 |
| S61;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23 S47;P1.3 S48;P1.3 S49;P1.3 S50;P1.3 S51;P1.3 S52;P1.3 S53;P1.3 S54;P1.3 S57;P1.3 S58;P1.3 S59;P1.3 S60;P1.3 S61;P1.3 S62;P1.3 S63;P1.3 S64;P1.3 |
| S61;P1.4 | +5VIN | +5V61 | S61;P1.2 S61;P1.4 S61;P1.6 |
| S61;P1.5 | SERIN | 1TSCDATALOAD | S60;P1.74# S60;P1.3 |
| S61;P1.6 | +5VIN | +5V61 | S61;P1.2 S61;P1.4 S61;P1.6 |
| S61;P1.7 | LRSHTZP | 1LRSHTZPX | S59;P1.46# S61;P1.7 |
| S61;P1.8 | *TFDBMAINT | *1TFDBMAINT | S57;P1.7 S58;P1.7 |
| S61;P1.10 | TSCHTZEN | 1TSCHTZENA | S64;P1.10# S61;P1.10 S62;P1.10 |
| S61;P1.12 | LRBHTZPE | 1LRBHTZPEXA | S60;P1.56# S61;P1.12 |
| S61;P1.14 | *TSCTPS1 | *1TSCTPS1 | S58;P1.53# S61;P1.14 S62;P1.14 |
| S61;P1.18 | *TSCTPS0 | *1TSCTPS0 | S60;P1.49# S61;P1.18 S62;P1.18 |
| S61;P1.20 | TSCHTZS1 | 1TSCHTZS1 | S60;P1.47# S61;P1.20 S62;P1.20 |
| S61;P1.23 | ERSTP-1 | 1ERSTPXA-1 | S61;P1.23# S64;P1.56 |
| S61;P1.25 | ERSTP-2 | 1ERSTPXA-2 | S61;P1.25# S64;P1.54 |
| S61;P1.26 | ERST-1 | 1ERSTXA-1 | S61;P1.26# S62;P1.5 S63;P1.56 |
| S61;P1.27 | ERSTP-3 | 1ERSTPXA-3 | S61;P1.27# S64;P1.52 |
| S61;P1.28 | ERST-2 | 1ERSTXA-2 | S61;P1.28# S63;P1.54 |
| S61;P1.29 | ERSTP-4 | 1ERSTPXA-4 | S61;P1.29# S64;P1.48 |
| S61;P1.30 | ERST-3 | 1ERSTXA-3 | S61;P1.30# S63;P1.52 |
| S61;P1.32 | ERST-4 | 1ERSTXA-4 | S61;P1.32# S63;P1.48 |
| S61;P1.33 | ERSTP-5 | 1ERSTPXA-5 | S61;P1.33# S64;P1.46 |
| S61;P1.34 | ERST-5 | 1ERSTXA-5 | S61;P1.34# S63;P1.46 |
| S61;P1.35 | ERSTP-6 | 1ERSTPXA-6 | S61;P1.35# S64;P1.44 |
| S61;P1.36 | ERST-6 | 1ERSTXA-6 | S61;P1.36# S63;P1.44 |
| S61;P1.37 | ERSTP-7 | 1ERSTPXA-7 | S61;P1.37# S64;P1.42 |
| S61;P1.38 | ERST-7 | 1ERSTXA-7 | S61;P1.38# S63;P1.42 |
| S61;P1.39 | ERSTP-8 | 1ERSTPXA-8 | S61;P1.39# S64;P1.40 |
| S61;P1.40 | ERST-8 | 1ERSTXA-8 | S61;P1.40# S63;P1.40 |
| S61;P1.42 | ERSTP-9 | 1ERSTPXA-9 | S61;P1.42# S63;P1.34 |
| S61;P1.43 | ERST-9 | 1ERSTXA-9 | S61;P1.43# S64;P1.34 |
| S61;P1.44 | ERSTP-10 | 1ERSTPXA-10 | S61;P1.44# |
| S61;P1.45 | ERST-10 | 1ERSTXA-10 | S61;P1.45# |
| S61;P1.46 | ERSTP-11 | 1ERSTPXA-11 | S61;P1.46# |
| S61;P1.47 | ERST-11 | 1ERSTXA-11 | S61;P1.47# |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S61;P1.48 | ERST-12 | 1ERSTXA-12 | S61;P1.48# |
| S61;P1.49 | ERSTP-12 | 1ERSTPXA-12 | S61;P1.49# |
| S61;P1.72 | TSCCLRADR | 1TSCCLRADR | S60;P1.58# |
| S62;P1.2 | +5VIN | +5V62 | S62;P1.2 |
| S62;P1.3 | *CMCLK | *CMCLK6 | S62;P1.3   S62;P1.6   S48;P1.3   S49;P1.3   S50;P1.3   S51;P1.3   S54;P1.3   S57;P1.3   S58;P1.3   S59;P1.3   S62;P1.3   S63;P1.3   S64;P1.3 |
| S62;P1.4 | +5VIN | +5V62 | S62;P1.4 |
| S62;P1.5 | SERIN | 1ERSTXA-1 | S61;P1.26# |
| S62;P1.6 | +5VIN | +5V62 | S62;P1.2 |
| S62;P1.7 | LRSHTZP | 1LRSHTZPY | S59;P1.48#   S57;P1.7   S58;P1.7   S60;P1.7 |
| S62;P1.8 | *TFDBMAINT | *1TFDBMAINT | S57;P1.7   S58;P1.7   S59;P1.7   S61;P1.8   S62;P1.8 |
| S62;P1.10 | TSCHTZEN | 1TSCHTZENA | S64;P1.10#   S61;P1.10   S62;P1.10 |
| S62;P1.12 | LRBHTZPE | 1LRBHTZPEYA | S60;P1.56#   S62;P1.12   S62;P1.56 |
| S62;P1.14 | *TSCTPS1 | *1TSCTPS1 | S58;P1.55#   S61;P1.14   S62;P1.14 |
| S62;P1.18 | *TSCTPS0 | *1TSCTPS0 | S60;P1.49#   S61;P1.18   S62;P1.18 |
| S62;P1.20 | TSCHTZS1 | 1TSCHTZS1 | S60;P1.47#   S61;P1.20   S62;P1.20 |
| S62;P1.23 | ERSTP-1 | 1ERSTPYA-1 | S60;P1.57#   S64;P1.57   S63;P1.8 |
| S62;P1.25 | ERSTP-2 | 1ERSTPYA-2 | S62;P1.23#   S64;P1.55 |
| S62;P1.26 | ERST-1 | 1ERSTYA-1 | S62;P1.25#   S63;P1.57 |
| S62;P1.27 | ERSTP-3 | 1ERSTPYA-3 | S62;P1.26#   S64;P1.49 |
| S62;P1.28 | ERST-2 | 1ERSTYA-2 | S62;P1.27#   S63;P1.55 |
| S62;P1.29 | ERSTP-4 | 1ERSTPYA-4 | S62;P1.28#   S64;P1.47 |
| S62;P1.30 | ERST-3 | 1ERSTYA-3 | S62;P1.29#   S63;P1.49 |
| S62;P1.32 | ERST-4 | 1ERSTYA-4 | S62;P1.30#   S63;P1.47 |
| S62;P1.33 | ERSTP-5 | 1ERSTPYA-5 | S62;P1.32#   S64;P1.45 |
| S62;P1.34 | ERST-5 | 1ERSTYA-5 | S62;P1.33#   S64;P1.45 |
| S62;P1.35 | ERSTP-6 | 1ERSTPYA-6 | S62;P1.34#   S63;P1.43 |
| S62;P1.36 | ERST-6 | 1ERSTYA-6 | S62;P1.35#   S64;P1.43 |
| S62;P1.37 | ERSTP-7 | 1ERSTPYA-7 | S62;P1.36#   S63;P1.39 |
| S62;P1.38 | ERST-7 | 1ERSTYA-7 | S62;P1.37#   S64;P1.39 |
| S62;P1.39 | ERSTP-8 | 1ERSTPYA-8 | S62;P1.38#   S63;P1.39 |
| S62;P1.40 | ERST-8 | 1ERSTYA-8 | S62;P1.39#   S64;P1.37 |
| S62;P1.42 | ERST-9 | 1ERSTYA-9 | S62;P1.40#   S63;P1.37 |
| S62;P1.43 | ERSTP-9 | 1ERSTPYA-9 | S62;P1.42#   S63;P1.37 |
| S62;P1.44 | ERSTP-10 | 1ERSTPYA-10 | S62;P1.43#   S63;P1.33 |
| S62;P1.45 | ERST-10 | 1ERSTYA-10 | S62;P1.44#   S64;P1.33 |
| S62;P1.46 | ERSTP-11 | 1ERSTPYA-11 | S62;P1.45# |
| S62;P1.47 | ERST-11 | 1ERSTYA-11 | S62;P1.46# |
| S62;P1.48 | ERST-12 | 1ERSTYA-12 | S62;P1.47# |
| S62;P1.49 | ERSTP-12 | 1ERSTPYA-12 | S62;P1.48# |
| S62;P1.72 | TSCCLRADR | 1TSCCLRADR | S62;P1.49#   S60;P1.58# |
| S63;P1.2 | +5VIN | +5V63 | S63;P1.2 |
| S63;P1.3 | *CMCLK | *CMCLK6 | S63;P1.3   S47;P1.3   S48;P1.3   S49;P1.3   S50;P1.3   S51;P1.3   S53;P1.3   S54;P1.3   S57;P1.3   S58;P1.3   S59;P1.3   S61;P1.3   S62;P1.3   S63;P1.3   S64;P1.3 |
| S63;P1.4 | +5VIN | +5V63 | S60;P1.3   S60;P1.2 |
| S63;P1.5 | TGINT2 | 1TGOINT5 | S24;P1.49   S63;P1.5# |
| S63;P1.7 | TGINT3 | 1TGOINT4 | S24;P1.42   S63;P1.7# |

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SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S63;P1.8 | SERIN | 1ERSTYA-1 | S62;P1.26#  S63;P1.57  S63;P1.8 |
| S63;P1.9 | TGINT4 | 1TGOINT3 | S24;P1.59  S63;P1.9# |
| S63;P1.12 | TGDATA8 | 1TGOINT8 | S24;P1.37  S2;P1.43  S3;P1.43  S63;P1.12# |
| S63;P1.13 | TGINT5 | 1TGOINT2 | S24;P1.62  S63;P1.13# |
| S63;P1.14 | TGDATA7 | 1TGOINT7 | S24;P1.46  S63;P1.14# |
| S63;P1.15 | TGINT6 | 1TGOINT1 | S24;P1.67  S63;P1.15# |
| S63;P1.16 | TGDATA6 | 1TGOINT6 | S24;P1.43  S2;P1.42  S3;P1.42  S63;P1.16# |
| S63;P1.17 | TGINT7 | 1TGOINT0 | S24;P1.68  S63;P1.17# |
| S63;P1.19 | TSCTCBSERLD | 1TSCTCBSERLD | S60;P1.24#  S63;P1.19  S64;P1.19 |
| S63;P1.20 | TSCTCBWE | 1TSCTCBWE | S60;P1.23#  S63;P1.20  S64;P1.20 |
| S63;P1.22 | LAELSEROUT5 | 1LAOELSER5 | S20;P1.53  S23;P1.48  S63;P1.22 |
| S63;P1.23 | LAELSEROUT0 | 1LAOELSER0 | S20;P1.24  S23;P1.3  S63;P1.23 |
| S63;P1.24 | LAELSEROUT4 | 1LAOELSER4 | S20;P1.52  S23;P1.37  S63;P1.24 |
| S63;P1.25 | LAELSEROUT8 | 1LAOELSER8 | S20;P1.57  S23;P1.66  S63;P1.25 |
| S63;P1.26 | LAELSEROUT3 | 1LAOELSER3 | S20;P1.47  S23;P1.34  S63;P1.26 |
| S63;P1.27 | LAELSEROUT7 | 1LAOELSER7 | S20;P1.64  S23;P1.56  S63;P1.27 |
| S63;P1.28 | LAELSEROUT2 | 1LAOELSER2 | S20;P1.35  S23;P1.26  S63;P1.28 |
| S63;P1.29 | LAELSEROUT6 | 1LAOELSER6 | S20;P1.63  S23;P1.54  S63;P1.29 |
| S63;P1.30 | LAELSEROUT1 | 1LAOELSER1 | S20;P1.29  S23;P1.20  S63;P1.30 |
| S63;P1.32 | LRBLLAMBDA | 1LRBLLAMBDA | S58;P1.26#  S63;P1.32  S64;P1.32 |
| S63;P1.33 | ERSTY-9 | 1ERSTYA-9 | S62;P1.42#  S63;P1.33 |
| S63;P1.34 | ERSTX-9 | 1ERSTXA-9 | S61;P1.42#  S63;P1.34 |
| S63;P1.35 | LRSYSERM | 1LRSYSERM | S59;P1.56#  S63;P1.35  S64;P1.35 |
| S63;P1.36 | LRBCLAMP | 1LRBCLAMP | S58;P1.60#  S59;P1.70  S63;P1.36  S64;P1.36 |
| S63;P1.37 | ERSTY-8 | 1ERSTYA-8 | S62;P1.40#  S63;P1.37 |
| S63;P1.38 | LAELSEROUTM | GND63 | S63;P1.38  S63;P1.38 |
| S63;P1.39 | ERSTY-7 | 1ERSTYA-7 | S62;P1.38#  S63;P1.39 |
| S63;P1.40 | ERSTX-8 | 1ERSTXA-8 | S61;P1.40#  S63;P1.40 |
| S63;P1.41 | GROUND | GND63 | S63;P1.38  S63;P1.41 |
| S63;P1.42 | ERSTX-7 | 1ERSTXA-7 | S61;P1.38#  S63;P1.42 |
| S63;P1.43 | ERSTY-6 | 1ERSTYA-6 | S62;P1.36#  S63;P1.43 |
| S63;P1.44 | ERSTX-6 | 1ERSTXA-6 | S61;P1.36#  S63;P1.44 |
| S63;P1.45 | ERSTY-5 | 1ERSTYA-5 | S62;P1.34#  S63;P1.45 |
| S63;P1.46 | ERSTX-5 | 1ERSTXA-5 | S61;P1.34#  S63;P1.46 |
| S63;P1.47 | ERSTY-4 | 1ERSTYA-4 | S62;P1.32#  S63;P1.47 |
| S63;P1.48 | ERSTX-4 | 1ERSTXA-4 | S61;P1.32#  S63;P1.48 |
| S63;P1.49 | ERSTY-3 | 1ERSTYA-3 | S62;P1.30#  S63;P1.49 |
| S63;P1.50 | LRSXSERM | 1LRSXSERM | S59;P1.15#  S63;P1.50  S64;P1.50 |
| S63;P1.52 | ERSTX-3 | 1ERSTXA-3 | S61;P1.30#  S63;P1.52 |
| S63;P1.54 | ERSTX-2 | 1ERSTXA-2 | S61;P1.28#  S63;P1.54 |
| S63;P1.55 | ERSTY-2 | 1ERSTYA-2 | S62;P1.28#  S63;P1.55 |
| S63;P1.56 | ERSTX-1 | 1ERSTXA-1 | S61;P1.26#  S62;P1.5  S63;P1.56  S46;P1.56 |
| S63;P1.57 | ERSTY-1 | 1ERSTYA-1 | S62;P1.26#  S62;P1.57  S63;P1.8  S63;P1.6  S46;P1.6  S53;P1.59  S54;P1.59 |
| S63;P1.59 | CMSHIFT | CMSHIFT | S15;P1.28  S19;P1.26  S30;P1.29  S63;P1.59  S69;P1.12  S79;P1.28  S83;P1.26  S5;P1.12  S94;P1.29 |
| S63;P1.63 | TSCTMCNTL3 | 1TSCTMCNTL3A | S60;P1.52#  S63;P1.63  S64;P1.63 |
| S63;P1.65 | TSCTMCNTL2 | 1TSCTMCNTL2 | S60;P1.78#  S63;P1.65  S64;P1.65 |
| S63;P1.66 | *CMCHAN0 | *CMCHN1 | S15;P1.52  S19;P1.3  S30;P1.45  S46;P1.54  S5;P1.5  S63;P1.66  S64;P1.66 |

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STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S63;P1.67 | TSCTMCNTL1 | 1TSCTMCNTL1 | S60;P1.77# S63;P1.67 S64;P1.67 |
| S63;P1.69 | TSCTMCNTL0 | 1TSCTMCNTL0 | S60;P1.76# S63;P1.69 S64;P1.69 |
| S63;P1.72 | TGINT0 | 1TGSERIN | S63;P1.72# S64;P1.8 |
| S64;P1.2 | +5VIN | +5V64 | S64;P1.2 S64;P1.4 |
| S64;P1.3 | *CMCLK | *CMCLK6 | S46;P1.23 S47;P1.3 S48;P1.3 S49;P1.3 S50;P1.3 S51;P1.3 S52;P1.3 S53;P1.3 S54;P1.3 S57;P1.3 S58;P1.3 S59;P1.3 S60;P1.3 S61;P1.3 S62;P1.3 S63;P1.3 S64;P1.3 |
| S64;P1.4 | +5VIN | +5V64 | S64;P1.2 S64;P1.4 |
| S64;P1.5 | TGINT2 | 1TG1INT5 | S24;P1.50 S64;P1.5# |
| S64;P1.6 | *ITSME | *IMHERE | S15;P1.80 S19;P1.50# S46;P1.79 S5;P1.6 S64;P1.6# S69;P1.6 S79;P1.80 S83;P1.50# |
| S64;P1.7 | TGINT3 | 1TG1INT4 | S24;P1.39 S64;P1.7# |
| S64;P1.8 | SERIN | 1TGSERIN | S63;P1.72# S64;P1.8 |
| S64;P1.9 | TGINT4 | 1TG1INT3 | S24;P1.60 S64;P1.9# |
| S64;P1.10 | *TGMAINT | *1TFDBMAINT | S57;P1.7 S58;P1.7 S59;P1.7 S60;P1.7 S61;P1.8 S62;P1.8 S64;P1.10# |
| S64;P1.12 | TGDATA8 | 1TG1INT8 | S24;P1.38 S2;P1.45 S3;P1.45 S64;P1.12# |
| S64;P1.13 | TGINT5 | 1TG1INT2 | S24;P1.64 S64;P1.13# |
| S64;P1.14 | TGDATA7 | 1TG1INT7 | S24;P1.45 S64;P1.14# |
| S64;P1.15 | TGINT6 | 1TG1INT1 | S24;P1.70 S64;P1.15# |
| S64;P1.16 | TGDATA6 | 1TG1INT6 | S24;P1.44 S2;P1.44 S3;P1.44 S64;P1.16# |
| S64;P1.17 | TGINT7 | 1TG1INT0 | S24;P1.65 S64;P1.17# |
| S64;P1.19 | TSCTCBSERLD | 1TSCTCBSERLD | S60;P1.24# S63;P1.19 S63;P1.19 |
| S64;P1.20 | TSCTCBWE | 1TSCTCBWE | S60;P1.23# S63;P1.20 S63;P1.20 |
| S64;P1.22 | LAELSEROUT5 | 1LA1ELSER5 | S21;P1.52 S22;P1.3 S22;P1.48 |
| S64;P1.23 | LAELSEROUT0 | 1LA1ELSER0 | S21;P1.28 S22;P1.37 S22;P1.3 |
| S64;P1.24 | LAELSEROUT4 | 1LA1ELSER4 | S21;P1.47 S22;P1.66 S22;P1.37 |
| S64;P1.25 | LAELSEROUT8 | 1LA1ELSER8 | S21;P1.64 S22;P1.34 S22;P1.66 |
| S64;P1.26 | LAELSEROUT3 | 1LA1ELSER3 | S21;P1.35 S22;P1.56 S22;P1.34 |
| S64;P1.27 | LAELSEROUT7 | 1LA1ELSER7 | S21;P1.63 S22;P1.26 S22;P1.56 |
| S64;P1.28 | LAELSEROUT2 | 1LA1ELSER2 | S21;P1.29 S22;P1.54 S22;P1.26 |
| S64;P1.29 | LAELSEROUT6 | 1LA1ELSER6 | S21;P1.53 S22;P1.20 S22;P1.54 |
| S64;P1.30 | LAELSEROUT1 | 1LA1ELSER1 | S21;P1.24 S22;P1.20 |
| S64;P1.32 | LRBLLAMBDA | 1LRBLLAMBDA | S58;P1.26# S63;P1.32 |
| S64;P1.33 | ERSTY-9 | 1ERSTPYA-9 | S62;P1.43# S64;P1.33 |
| S64;P1.34 | ERSTX-9 | 1ERSTPXA-9 | S61;P1.43# S64;P1.34 |
| S64;P1.35 | LRSYSERM | 1LRSYSERM | S59;P1.56# S64;P1.35 S64;P1.35 |
| S64;P1.36 | LRBCLAMP | 1LRBCLAMP | S58;P1.60# S59;P1.70 S63;P1.36 S64;P1.36 |
| S64;P1.37 | ERSTY-8 | 1ERSTPYA-8 | S62;P1.39# S64;P1.37 |
| S64;P1.38 | LAELSEROUTM | GND64 | S64;P1.38 S64;P1.41 |
| S64;P1.39 | ERSTY-7 | 1ERSTPYA-7 | S62;P1.37# S64;P1.39 |
| S64;P1.40 | ERSTX-8 | 1ERSTPXA-8 | S61;P1.39# S64;P1.40 |
| S64;P1.41 | GROUND | GND64 | S64;P1.38 S64;P1.41 |
| S64;P1.42 | ERSTX-7 | 1ERSTPXA-7 | S61;P1.37# S64;P1.42 |
| S64;P1.43 | ERSTY-6 | 1ERSTPYA-6 | S62;P1.35# S64;P1.43 |
| S64;P1.44 | ERSTX-6 | 1ERSTPXA-6 | S61;P1.35# S64;P1.44 |
| S64;P1.45 | ERSTY-5 | 1ERSTPYA-5 | S62;P1.33# S64;P1.45 |
| S64;P1.46 | ERSTX-5 | 1ERSTPXA-5 | S61;P1.33# S64;P1.46 |
| S64;P1.47 | ERSTY-4 | 1ERSTPYA-4 | S62;P1.29# S64;P1.47 |
| S64;P1.48 | ERSTX-4 | 1ERSTPXA-4 | S61;P1.29# S64;P1.48 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S64;P1.49 | ERSTY-3 | 1ERSTPYA-3 | S62;P1.27# S64;P1.49 S64;P1.50 |
| S64;P1.50 | LRSXSERM | 1LRSXSERM | S59;P1.15# S63;P1.50 |
| S64;P1.52 | ERSTX-3 | 1ERSTPXA-3 | S61;P1.27# S64;P1.52 |
| S64;P1.54 | ERSTX-2 | 1ERSTPXA-2 | S61;P1.25# S64;P1.54 |
| S64;P1.55 | ERSTY-2 | 1ERSTPYA-2 | S62;P1.25# S64;P1.55 |
| S64;P1.56 | ERSTX-1 | 1ERSTPXA-1 | S61;P1.23# S64;P1.56 |
| S64;P1.57 | ERSTY-1 | 1ERSTPYA-1 | S62;P1.23# S64;P1.57 |
| S64;P1.59 | CMSHIFT | CMSHIFT | S15;P1.28 S19;P1.26 S30;P1.29 S46;P1.6 S53;P1.59 S54;P1.59 S5;P1.12 S63;P1.59 S64;P1.59 S69;P1.12 S79;P1.28 S83;P1.26 S94;P1.29 |
| S64;P1.63 | TSCTMCNTL3 | 1TSCTMCNTL3A | S60;P1.52# S63;P1.63 S64;P1.63 |
| S64;P1.65 | TSCTMCNTL2 | 1TSCTMCNTL2 | S60;P1.78# S63;P1.65 S64;P1.65 S46;P1.54 S63;P1.66 |
| S64;P1.66 | *CMCHAN0 | *CMCHN1 | S15;P1.52 S19;P1.3 S30;P1.45 |
| S64;P1.67 | TSCTMCNTL1 | 1TSCTMCNTL1 | S60;P1.77# S63;P1.67 S64;P1.67 |
| S64;P1.68 | CMDEVEN0 | CMDEVEN6 | S46;P1.62 S54;P1.68 S64;P1.68 |
| S64;P1.69 | TSCTMCNTL0 | 1TSCTMCNTL0 | S60;P1.76# S63;P1.69 S64;P1.69 |
| S64;P1.70 | TGSEROUT | MDOUT | S15;P1.76 S19;P1.55# S46;P1.9 S54;P1.70# S64;P1.70# S79;P1.7 S79;P1.76 S83;P1.55# |
| S65;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80 S13;P1.80 S1;P1.1 S2;P1.1 S3;P1.1 S46;P1.31 S4;P1.1 S5;P1.1 S65;P1.1 S66;P1.1 S67;P1.1 S68;P1.1 S69;P1.1 S72;P1.80 S73;P1.80 S76;P1.1 S76;P1.80 S77;P1.80 S8;P1.80 S9;P1.80 |
| S65;P1.3 | *CMCLK8 | *CMCLK8 | S1;P1.3 S2;P1.3 S3;P1.3 S4;P1.3 S5;P1.3 S65;P1.3 S66;P1.3 S67;P1.3 S69;P1.3 |
| S65;P1.5 | OC*BMAINT | 2OC*BMAINT | S65;P1.5 S66;P1.5 S67;P1.7 S69;P1.4 |
| S65;P1.6 | OSBLANKLIGHT | 2OSBLANKLIGHT | S65;P1.6# S66;P1.7 S69;P1.6# |
| S65;P1.9 | OCLOADYCNT | 2OCLOADYCNT | S65;P1.9 S69;P1.52 S69;P1.42 |
| S65;P1.10 | CMFLAG2 | CMFLAG2 | S1;P1.10 S94;P1.56 S30;P1.56 S30;P1.72 S32;P1.72 S46;P1.39 S65;P1.10 |
| S65;P1.12 | OTYLSB | 2OTYLSB | S65;P1.12 S68;P1.52 |
| S65;P1.13 | OMEVNPRI | 2OMEVNPRI | S65;P1.13 S67;P1.14 |
| S65;P1.14 | OTXAD11 | 2OTXAD11 | S65;P1.14 S68;P1.34 |
| S65;P1.15 | OMODDPRI | 2OMODDPRI | S65;P1.15 S66;P1.14 |
| S65;P1.16 | CMFLAG3 | CMFLAG3 | S1;P1.16 S96;P1.15 S30;P1.15 S32;P1.15 S46;P1.38 S65;P1.16 S94;P1.15 |
| S65;P1.17 | OCCTLYMOD | 2OCCTLYMOD | S65;P1.17 S69;P1.17 |
| S65;P1.18 | OTYFRACT | 2OTYFRACT | S65;P1.18 S68;P1.18 |
| S65;P1.19 | OCWAISTCT | 2ICWAITSTCT | S65;P1.19 S69;P1.19 |
| S65;P1.20 | OCMEMWRITE | 2OCMEMWRITE | S65;P1.20 S69;P1.20 |
| S65;P1.23 | CMSERIN | CMSEROUT | S15;P1.70 S69;P1.79 S1;P1.23 S79;P1.70 S46;P1.37 S81;P1.5 S47;P1.40 S8;P1.45 S57;P1.40 |
| S65;P1.24 | OSSEROUT | 2OSSEROUT1 | S65;P1.24# S66;P1.15 S72;P1.45 |
| S65;P1.25 | OTPROD9 | 2OTPROD9 | S65;P1.25 S66;P1.49 S68;P1.49 |
| S65;P1.26 | OSR10 | 2OSR10 | S65;P1.26# S66;P1.35 S67;P1.35 S68;P1.48 |
| S65;P1.27 | OTPROD8 | 2OTPROD8 | S65;P1.27 S68;P1.37 |
| S65;P1.28 | OSR9 | 2OSR9 | S65;P1.28# S66;P1.37 S67;P1.37 |
| S65;P1.29 | OTPROD7 | 2OTPROD7 | S65;P1.29 S66;P1.47 S68;P1.47 |
| S65;P1.30 | OSR8 | 2OSR8 | S65;P1.30# S66;P1.39 S67;P1.39 |
| S65;P1.33 | OTPROD6 | 2OTPROD6 | S65;P1.33 S68;P1.46 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S65;P1.34 | OSR7 | 2OSR7 | S65;P1.34#  S67;P1.54 |
| S65;P1.35 | OTPROD5 | 2OTPROD5 | S65;P1.35  S68;P1.45 |
| S65;P1.36 | OSR6 | 2OSR6 | S65;P1.36#  S66;P1.56  S67;P1.56 |
| S65;P1.37 | OTPROD4 | 2OTPROD4 | S65;P1.37  S68;P1.44 |
| S65;P1.38 | OSR5 | 2OSR5 | S65;P1.38#  S66;P1.58  S67;P1.58 |
| S65;P1.39 | OTPROD3 | 2OTPROD3 | S65;P1.39  S68;P1.43 |
| S65;P1.40 | OSR4 | 2OSR4 | S65;P1.40#  S66;P1.60  S67;P1.60 |
| S65;P1.43 | OTPROD2 | 2OTPROD2 | S65;P1.43  S68;P1.42 |
| S65;P1.44 | OSR3 | 2OSR3 | S65;P1.44#  S66;P1.68  S67;P1.68 |
| S65;P1.45 | OTPROD1 | 2OTPROD1 | S65;P1.45  S68;P1.40 |
| S65;P1.46 | OSR2 | 2OSR2 | S65;P1.46#  S66;P1.70  S67;P1.70 |
| S65;P1.47 | OCSTCT0 | 2OCSTCT0 | S65;P1.47  S69;P1.40 |
| S65;P1.48 | OSWRTEVN | 2OSWRTEVN | S65;P1.48#  S67;P1.63 |
| S65;P1.49 | OTSTCT1 | 2OCSTCT1 | S65;P1.49  S69;P1.39 |
| S65;P1.50 | OSWRTODD | 2OSWRTODD | S65;P1.50#  S66;P1.63 |
| S65;P1.53 | OTMULT7 | 2OTMULT7 | S65;P1.53  S68;P1.19 |
| S65;P1.54 | OSXAD7 | 2OSXAD7 | S65;P1.54#  S66;P1.10  S67;P1.10 |
| S65;P1.55 | OTMULT8 | 2OTMULT8 | S65;P1.55  S68;P1.37 |
| S65;P1.56 | OSXAD8 | 2OSXAD8 | S65;P1.56#  S66;P1.27  S67;P1.27 |
| S65;P1.57 | OTMULT9 | 2OTMULT9 | S65;P1.57  S68;P1.36 |
| S65;P1.58 | OSXAD9 | 2OSXAD9 | S65;P1.58#  S66;P1.26  S67;P1.26 |
| S65;P1.59 | OTMULT10 | 2OTMULT10 | S65;P1.59  S68;P1.35 |
| S65;P1.60 | OSXAD10 | 2OSXAD10 | S65;P1.60#  S66;P1.25  S67;P1.25  S82;P1.18#  S83;P1.52 |
| S65;P1.62 | DDYLIGHTPRIO | 2DDYBO | S65;P1.62  S69;P1.37  S79;P1.49  S94;P1.43  S96;P1.43 |
| S65;P1.63 | DDXB0 | 2DDXB0 | S65;P1.63  S81;P1.18#  S94;P1.42  S96;P1.42 |
| S65;P1.64 | OSLB0 | 2OSLB0 | S65;P1.64#  S50;P1.8  S88;P1.7 |
| S65;P1.65 | DDXB1 | 2DDXB1 | S65;P1.65  S81;P1.37#  S94;P1.35  S96;P1.35 |
| S65;P1.66 | OSLB1 | 2OSLB1 | S65;P1.66#  S50;P1.40  S88;P1.8 |
| S65;P1.67 | DDXB2 | 2DDXB2 | S65;P1.67  S81;P1.17#  S94;P1.38  S96;P1.38 |
| S65;P1.68 | OSLB2 | 2OSLB2 | S65;P1.68#  S50;P1.42  S88;P1.16 |
| S65;P1.69 | DDXB3 | 2DDXB3 | S65;P1.69  S81;P1.15#  S94;P1.63 |
| S65;P1.70 | OSLB3 | 2OSLB3 | S65;P1.70#  S50;P1.44  S88;P1.13 |
| S65;P1.73 | DDXB4 | 2DDXB4 | S65;P1.73  S81;P1.13#  S83;P1.60 |
| S65;P1.74 | OSLB4 | 2OSLB4 | S65;P1.74#  S50;P1.46  S88;P1.12 |
| S65;P1.75 | DDXB5 | 2DDXB5 | S65;P1.75  S81;P1.14# |
| S65;P1.76 | OSLB5 | 2OSLB5 | S65;P1.76#  S50;P1.48  S88;P1.15 |
| S65;P1.77 | DDXB6 | 2DDXB6 | S65;P1.77  S81;P1.7# |
| S65;P1.78 | OSLB6 | 2OSLB6 | S65;P1.78#  S50;P1.43  S88;P1.14 |
| S65;P1.79 | DDXB7 | 2DDXB7 | S65;P1.79  S81;P1.8# |
| S65;P1.80 | OSLB7 | 2OSLB7 | S65;P1.80#  S50;P1.45  S88;P1.10 |
| S66;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80  S13;P1.80  S1;P1.1  S2;P1.1  S3;P1.1  S46;P1.31 |
| S66;P1.3 | *CLOCK | *CMCLK8 | S4;P1.1  S5;P1.1  S65;P1.1  S66;P1.1  S67;P1.1  S68;P1.1 |
| S66;P1.4 | LOADHOLD | 2OCLOADHOLD | S1;P1.3  S3;P1.3  S65;P1.3  S67;P1.3  S69;P1.34  S46;P1.26  S68;P1.3  S4;P1.3 |
| S66;P1.5 | LOADMEMINPUT | 2OCLOADMEMINPUT | S8;P1.80  S9;P1.80  S66;P1.4  S67;P1.4  S69;P1.70  S68;P1.3  S69;P1.3 |
| S66;P1.6 | RC | 2OCRC | S2;P1.3  S66;P1.5  S67;P1.5  S69;P1.75 |
| S66;P1.7 | *MAINT | 2OC*BMAINT | S65;P1.5  S66;P1.7  S67;P1.7  S69;P1.4  S68;P1.4  S5;P1.3 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S66;P1.8 | FLAG2 | 20M01FLAG2OUT | S66;P1.8  S66;P1.9 |
| S66;P1.9 | FLAG1OUT | 20M01FLAG2OUT | S66;P1.8  S66;P1.9 |
| S66;P1.10 | XAD7 | 20SXAD7 | S65;P1.54#  S66;P1.10  S67;P1.10 |
| S66;P1.12 | OUT15 | 20MSEROUT2 | S66;P1.12  S67;P1.15 |
| S66;P1.13 | LDMEMOUTPUT | 20CMEMREAD | S66;P1.13  S67;P1.13  S69;P1.78 |
| S66;P1.14 | PRIORITY | 20MODDPRI | S66;P1.14  S66;P1.15 |
| S66;P1.15 | SERIN | 20SSEROUT1 | S65;P1.24#  S66;P1.15 |
| S66;P1.16 | W15 | 20CXCNT6 | S66;P1.16  S67;P1.16  S69;P1.44 |
| S66;P1.17 | R15 | 20TMULT6 | S66;P1.17  S67;P1.17  S68;P1.20 |
| S66;P1.18 | W14 | 20CXCNT5 | S66;P1.18  S67;P1.18  S69;P1.45 |
| S66;P1.19 | R14 | 20TMULT5 | S66;P1.19  S67;P1.19  S68;P1.22 |
| S66;P1.20 | W13 | 20CXCNT4 | S66;P1.20  S67;P1.20  S69;P1.46 |
| S66;P1.22 | R13 | 20TMULT4 | S66;P1.22  S67;P1.22  S68;P1.23 |
| S66;P1.23 | W12 | 20CXCNT3 | S66;P1.23  S67;P1.23  S69;P1.47 |
| S66;P1.24 | R12 | 20TMULT3 | S66;P1.24  S67;P1.24  S68;P1.67 |
| S66;P1.25 | XAD10 | 20SXAD10 | S65;P1.60#  S66;P1.25  S67;P1.25 |
| S66;P1.26 | XAD9 | 20SXAD9 | S65;P1.58#  S66;P1.26  S67;P1.26 |
| S66;P1.27 | XAD8 | 20SXAD8 | S65;P1.56#  S66;P1.27  S67;P1.27 |
| S66;P1.29 | WADDRSEL | 20CWADDRSEL | S66;P1.29  S69;P1.77 |
| S66;P1.32 | W11 | 20CXCNT2 | S66;P1.32  S67;P1.32  S69;P1.48 |
| S66;P1.33 | R11 | 20TMULT2 | S66;P1.33  S67;P1.33  S68;P1.68 |
| S66;P1.34 | W10 | 20CYCNT9 | S66;P1.34  S67;P1.34  S69;P1.62 |
| S66;P1.35 | R10 | 20SR10 | S65;P1.26#  S66;P1.35  S67;P1.35 |
| S66;P1.36 | W9 | 20CYCNT8 | S66;P1.36  S67;P1.36  S69;P1.63 |
| S66;P1.37 | R9 | 20SR9 | S65;P1.28#  S66;P1.37  S67;P1.37 |
| S66;P1.38 | W8 | 20CYCNT7 | S66;P1.38  S67;P1.38  S69;P1.64 |
| S66;P1.39 | R8 | 20SR8 | S65;P1.30#  S66;P1.39  S67;P1.39 |
| S66;P1.42 | LA0IF2 | 2TG0INT6 | S53;P1.16#  S66;P1.42  S67;P1.42  S88;P1.43 |
| S66;P1.43 | LA0IF0 | 2TG0INT8 | S53;P1.12#  S66;P1.43  S67;P1.43  S88;P1.37 |
| S66;P1.44 | LA1IF2 | 2TG1INT6 | S54;P1.16#  S66;P1.44  S67;P1.44  S88;P1.44 |
| S66;P1.45 | LA1IF0 | 2TG1INT8 | S54;P1.12#  S66;P1.45  S67;P1.45  S88;P1.38 |
| S66;P1.53 | W7 | 20CYCNT6 | S66;P1.53  S67;P1.53  S69;P1.65 |
| S66;P1.54 | R7 | 20SR7 | S65;P1.34#  S66;P1.54  S67;P1.54 |
| S66;P1.55 | W6 | 20CYCNT5 | S66;P1.55  S67;P1.55  S69;P1.66 |
| S66;P1.56 | R6 | 20SR6 | S65;P1.36#  S66;P1.56  S67;P1.56 |
| S66;P1.57 | W5 | 20CYCNT4 | S66;P1.57  S67;P1.57  S69;P1.67 |
| S66;P1.58 | R5 | 20SR5 | S65;P1.38#  S66;P1.58  S67;P1.58 |
| S66;P1.59 | W4 | 20CYCNT3 | S66;P1.59  S67;P1.59  S69;P1.68 |
| S66;P1.60 | R4 | 20SR4 | S65;P1.40#  S66;P1.60  S67;P1.60 |
| S66;P1.62 | CAS | 20CCAS | S66;P1.62  S67;P1.62  S69;P1.74 |
| S66;P1.63 | MEMWRITE | 20SWRTODD | S65;P1.50#  S66;P1.63 |
| S66;P1.64 | MEMREF | 20CMEMREF | S66;P1.64  S67;P1.64  S69;P1.73 |
| S66;P1.65 | RAS | 20CRAS | S66;P1.65  S67;P1.65  S69;P1.76 |
| S66;P1.66 | SHIFTPRDATA | 20CSHIFTPRDATA | S66;P1.66  S67;P1.66  S69;P1.14 |
| S66;P1.67 | W3 | 20CYCNT2 | S66;P1.67  S67;P1.67  S69;P1.69 |
| S66;P1.68 | R3 | 20SR3 | S65;P1.44#  S66;P1.68  S67;P1.68 |
| S66;P1.69 | W2 | 20CYCNT1 | S66;P1.69  S67;P1.69  S69;P1.59 |
| S66;P1.70 | R2 | 20SR2 | S65;P1.46#  S66;P1.70  S67;P1.70 |
| S66;P1.72 | W1 | 20CXCNT1 | S66;P1.72  S67;P1.72  S69;P1.49 |
| S66;P1.73 | R1 | 20TMULT1 | S66;P1.73  S67;P1.73  S68;P1.69 |

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STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S66;P1.79 | VJUMP5 | -15V66 | B122;P1.6  B123;P1.79 |
| S66;P1.80 | VJUMP10 | +12V66 | B123;P1.7  S66;P1.80 |
| S67;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80  S13;P1.80  S1;P1.1  S2;P1.1  S3;P1.1  S46;P1.31  S4;P1.1  S5;P1.1  S65;P1.1  S66;P1.1  S67;P1.1  S68;P1.1  S69;P1.1  S72;P1.80  S76;P1.1  S77;P1.80  S8;P1.80  S9;P1.80 |
| S67;P1.3 | *CLOCK | *CMCLK8 | S1;P1.3  S2;P1.3  S3;P1.3  S46;P1.26  S4;P1.3  S5;P1.3  S65;P1.3  S66;P1.3  S67;P1.3  S68;P1.3  S69;P1.3 |
| S67;P1.4 | LOADHOLD | 2OCLOADHOLD | S66;P1.4  S67;P1.4  S69;P1.34 |
| S67;P1.5 | LOADMEMINPUT | 2OCLOADMEMINPUT | S66;P1.5  S67;P1.5  S69;P1.70 |
| S67;P1.6 | RC | 2OCRC | S65;P1.5  S66;P1.6  S69;P1.75 |
| S67;P1.7 | *MAINT | 2OC*BMAINT | S67;P1.8  S66;P1.7  S67;P1.7 |
| S67;P1.8 | FLAG2 | 2OMFLAG1OUT | S67;P1.9 |
| S67;P1.9 | FLAG1OUT | 2OMFLAG1OUT | S65;P1.54#  S66;P1.10 |
| S67;P1.10 | XAD7 | 2OSXAD7 | S67;P1.12  S67;P1.10 |
| S67;P1.12 | OUT15 | 2OMMEMOUT15 | S66;P1.13  S68;P1.38 |
| S67;P1.13 | LDMEMOUTPUT | 2OCMEMREAD | S67;P1.13  S69;P1.78 |
| S67;P1.14 | PRIORITY | 2OMEVNPRI | S66;P1.12 |
| S67;P1.15 | SERIN | 2OMSEROUT2 | S66;P1.16 |
| S67;P1.16 | W15 | 2OCXCNT6 | S66;P1.17  S69;P1.44 |
| S67;P1.17 | R15 | 2OTMULT6 | S66;P1.18  S68;P1.20 |
| S67;P1.18 | W14 | 2OCXCNT5 | S66;P1.19  S69;P1.45 |
| S67;P1.19 | R14 | 2OTMULT5 | S66;P1.20  S68;P1.22 |
| S67;P1.20 | W13 | 2OCXCNT4 | S66;P1.22  S69;P1.46 |
| S67;P1.22 | R13 | 2OTMULT4 | S66;P1.23  S68;P1.23 |
| S67;P1.23 | W12 | 2OCXCNT3 | S66;P1.24  S69;P1.47 |
| S67;P1.24 | R12 | 2OTMULT3 | S68;P1.67 |
| S67;P1.25 | XAD10 | 2OSXAD10 | S65;P1.60#  S67;P1.25 |
| S67;P1.26 | XAD9 | 2OSXAD9 | S65;P1.58#  S67;P1.26 |
| S67;P1.27 | XAD8 | 2OSXAD8 | S65;P1.56#  S67;P1.27 |
| S67;P1.29 | WADDRSEL | 2OCWADDRSEL | S66;P1.29  S69;P1.77 |
| S67;P1.32 | W11 | 2OCXCNT2 | S66;P1.32  S69;P1.48 |
| S67;P1.33 | R11 | 2OTMULT2 | S66;P1.33  S68;P1.68 |
| S67;P1.34 | W10 | 2OCYCNT9 | S66;P1.34  S69;P1.62 |
| S67;P1.35 | R10 | 2OSR10 | S65;P1.26#  S67;P1.35 |
| S67;P1.36 | W9 | 2OCYCNT8 | S66;P1.36  S69;P1.63 |
| S67;P1.37 | R9 | 2OSR9 | S65;P1.28#  S67;P1.37 |
| S67;P1.38 | W8 | 2OCYCNT7 | S66;P1.38  S69;P1.64 |
| S67;P1.39 | R8 | 2OSR8 | S65;P1.30#  S67;P1.39 |
| S67;P1.42 | LA0IF2 | 2TG0INT6 | S53;P1.16#  S67;P1.42  S88;P1.43 |
| S67;P1.43 | LA0IF0 | 2TG0INT8 | S53;P1.12#  S67;P1.43  S88;P1.37 |
| S67;P1.44 | LA1IF2 | 2TG1INT6 | S54;P1.16#  S67;P1.44  S88;P1.44 |
| S67;P1.45 | LA1IF0 | 2TG1INT8 | S54;P1.12#  S67;P1.45  S88;P1.38 |
| S67;P1.52 | AGTB | 2OMAGTB | S67;P1.52  S69;P1.65 |
| S67;P1.53 | W7 | 2OCYCNT6 | S66;P1.53  S67;P1.54 |
| S67;P1.54 | R7 | 2OSR7 | S65;P1.34#  S69;P1.66 |
| S67;P1.55 | W6 | 2OCYCNT5 | S66;P1.55  S67;P1.56 |
| S67;P1.56 | R6 | 2OSR6 | S65;P1.36#  S69;P1.67 |
| S67;P1.57 | W5 | 2OCYCNT4 | S66;P1.57  S67;P1.58 |
| S67;P1.58 | R5 | 2OSR5 | S65;P1.38#  S66;P1.58 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | | |
|---|---|---|---|---|---|---|---|---|
| S67;P1.59 | W4 | 2OCYCNT3 | S66;P1.59 | S67;P1.59 | S69;P1.68 | | | |
| S67;P1.60 | R4 | 2OSR4 | S65;P1.40# | S66;P1.60 | S67;P1.60 | | | |
| S67;P1.62 | CAS | 2OCCAS | S66;P1.62 | S67;P1.62 | S69;P1.74 | | | |
| S67;P1.63 | MEMWRITE | 2OSWRTEVN | S65;P1.48# | S67;P1.63 | | | | |
| S67;P1.64 | MEMREF | 2OCMEMREF | S66;P1.64 | S67;P1.64 | | | | |
| S67;P1.65 | RAS | 2OCRAS | S66;P1.65 | S67;P1.65 | S69;P1.73 | | | |
| S67;P1.66 | SHIFTPRDATA | 2OCSHIFTPRDATA | S66;P1.66 | S67;P1.66 | S69;P1.76 | | | |
| S67;P1.67 | W3 | 2OCYCNT2 | S66;P1.67 | S67;P1.67 | S69;P1.14 | | | |
| S67;P1.68 | R3 | 2OSR3 | S65;P1.44# | S66;P1.68 | S69;P1.69 | | | |
| S67;P1.69 | W2 | 2OCYCNT1 | S66;P1.69 | S67;P1.68 | S69;P1.68 | | | |
| S67;P1.70 | R2 | 2OSR2 | S65;P1.46# | S66;P1.70 | S69;P1.59 | | | |
| S67;P1.72 | W1 | 2OCXCNT1 | S66;P1.72 | S67;P1.70 | S69;P1.70 | | | |
| S67;P1.73 | R1 | 2OTMULT1 | S66;P1.73 | S67;P1.72 | S69;P1.49 | | | |
| S67;P1.79 | VJUMP5 | -15V67 | B122;P1.10 | S67;P1.73 | S68;P1.69 | | | |
| S67;P1.80 | VJUMP10 | +12V67 | B123;P1.11 | S67;P1.79 | | | | |
| S68;P1.1 | | 1TW*CMCLK5 | S12;P1.80 | S13;P1.80 | S67;P1.80 | | | |
|  |  |  | S1;P1.1 | S2;P1.1 | S3;P1.1 | S46;P1.31 | | |
|  |  |  | S4;P1.1 | S5;P1.1 | S65;P1.1 | S66;P1.1 | S67;P1.1 | S68;P1.1 |
|  |  |  | S69;P1.1 | S72;P1.1 | S73;P1.80 | S76;P1.1 | S77;P1.80 | |
|  |  |  | S8;P1.80 | S9;P1.80 | S76;P1.80 | | | |
| S68;P1.3 | *CLOCK | *CMCLK8 | S1;P1.3 | S2;P1.3 | S3;P1.3 | S4;P1.3 | S5;P1.3 | |
|  |  |  | S65;P1.3 | S66;P1.3 | S67;P1.3 | S68;P1.3 | S69;P1.3 | |
| S68;P1.4 | *BMAINT | 2OC*BMAINT | S65;P1.5 | S66;P1.5 | S67;P1.5 | S68;P1.4 | S69;P1.4 | |
| S68;P1.6 | LOADMULT | 2OCLOADMULT | S68;P1.6 | S69;P1.22 | | | | |
| S68;P1.7 | LOADPROD | 2OCLOADPROD | S68;P1.7 | S69;P1.35 | | | | |
| S68;P1.8 | LOADINPUT | 2OCLOADINPUTDATA | S68;P1.8 | S69;P1.20 | | | | |
| S68;P1.9 | Y7 | 2DDYMD7 | S68;P1.9 | S72;P1.46 | S73;P1.46 | S82;P1.76# | S92;P1.58 | |
| S68;P1.10 | X7 | 2DDXMD7 | S47;P1.64 | S48;P1.37 | S49;P1.37 | S68;P1.10 | S70;P1.46 | S71;P1.46 |
|  |  |  | S81;P1.76# | | | | | |
| S68;P1.12 | Y6 | 2DDYMD6 | S68;P1.12 | S72;P1.40 | S73;P1.40 | S82;P1.75# | S92;P1.57 | |
| S68;P1.13 | X6 | 2DDXMD6 | S47;P1.62 | S48;P1.38 | S49;P1.36 | S68;P1.13 | S70;P1.40 | S71;P1.40 |
|  |  |  | S81;P1.75# | | | | | |
| S68;P1.14 | Y5 | 2DDYMD5 | S68;P1.14 | S72;P1.42 | S73;P1.42 | S82;P1.73# | S92;P1.56 | |
| S68;P1.15 | X5 | 2DDXMD5 | S47;P1.60 | S48;P1.39 | S49;P1.35 | S68;P1.15 | S70;P1.42 | S71;P1.42 |
|  |  |  | S81;P1.73# | | | | | |
| S68;P1.16 | Y4 | 2DDYMD4 | S68;P1.16 | S72;P1.55 | S73;P1.55 | S82;P1.77# | S92;P1.55 | |
| S68;P1.17 | X4 | 2DDXMD4 | S47;P1.58 | S48;P1.40 | S49;P1.34 | S68;P1.17 | S70;P1.55 | S71;P1.55 |
|  |  |  | S81;P1.77# | | | | | |
| S68;P1.19 | M7 | 2OTMULT7 | S65;P1.53 | S68;P1.19 | | | | |
| S68;P1.20 | M6 | 2OTMULT6 | S66;P1.17 | S67;P1.17 | S68;P1.20 | | | |
| S68;P1.22 | M5 | 2OTMULT5 | S66;P1.19 | S67;P1.19 | S68;P1.22 | | | |
| S68;P1.23 | M4 | 2OTMULT4 | S66;P1.22 | S67;P1.22 | S68;P1.23 | | | |
| S68;P1.24 | Y11 | 2DDYMD11 | S68;P1.24 | S72;P1.43 | S73;P1.43 | S82;P1.66# | S92;P1.63 | |
| S68;P1.25 | X11 | 2DDXMD11 | S47;P1.72 | S48;P1.42 | S49;P1.43 | S68;P1.25 | S70;P1.43 | S71;P1.43 |
|  |  |  | S81;P1.66# | | | | | |
| S68;P1.26 | Y10 | 2DDYMD10 | S68;P1.26 | S72;P1.30 | S73;P1.30 | S82;P1.68# | S92;P1.62 | |
| S68;P1.27 | X10 | 2DDXMD10 | S47;P1.70 | S48;P1.34 | S49;P1.40 | S68;P1.27 | S70;P1.30 | S71;P1.30 |
|  |  |  | S81;P1.68# | | | | | |
| S68;P1.28 | Y9 | 2DDYMD9 | S68;P1.28 | S72;P1.48 | S73;P1.48 | S82;P1.60 | S92;P1.60 | |
| S68;P1.29 | X9 | 2DDXMD9 | S47;P1.68 | S48;P1.35 | S49;P1.39 | S68;P1.29 | S70;P1.48 | S71;P1.48 |
|  |  |  | S81;P1.60 | | | | | |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | | | | | | |
|---|---|---|---|---|---|---|---|---|
| S68;P1.30 | Y8 | 2DDYMD8 | S68;P1.30 | S72;P1.18 | S73;P1.18 | S82;P1.65# | S92;P1.59 | S71;P1.18 |
| S68;P1.32 | X8 | 2DDXMD8 | S47;P1.66 | S48;P1.36 | S49;P1.38 | S68;P1.32 | S70;P1.18 | |
| | | | S81;P1.65# | S90;P1.59 | S94;P1.67 | | | |
| S68;P1.34 | M11 | 2OTXAD11 | S65;P1.14 | S68;P1.34 | | | | |
| S68;P1.35 | M10 | 2OTMULT10 | S65;P1.59 | S68;P1.35 | | | | |
| S68;P1.36 | M9 | 2OTMULT9 | S65;P1.57 | S68;P1.36 | | | | |
| S68;P1.37 | M8 | 2OTMULT8 | S65;P1.55 | S68;P1.37 | | | | |
| S68;P1.38 | SHIFTIN | 2OMMEMOUT15 | S67;P1.12 | S68;P1.38 | | | | |
| S68;P1.39 | PROD0 | 2OTPROD0 | S68;P1.39 | S69;P1.54 | | | | |
| S68;P1.40 | PROD1 | 2OTPROD1 | S65;P1.45 | S68;P1.40 | | | | |
| S68;P1.42 | PROD2 | 2OTPROD2 | S65;P1.43 | S68;P1.42 | | | | |
| S68;P1.43 | PROD3 | 2OTPROD3 | S65;P1.39 | S68;P1.43 | | | | |
| S68;P1.44 | PROD4 | 2OTPROD4 | S65;P1.37 | S68;P1.44 | | | | |
| S68;P1.45 | PROD5 | 2OTPROD5 | S65;P1.35 | S68;P1.45 | | | | |
| S68;P1.46 | PROD6 | 2OTPROD6 | S65;P1.33 | S68;P1.46 | | | | |
| S68;P1.47 | PROD7 | 2OTPROD7 | S65;P1.29 | S68;P1.47 | | | | |
| S68;P1.48 | PROD8 | 2OTPROD8 | S65;P1.27 | S68;P1.48 | | | | |
| S68;P1.49 | PROD9 | 2OTPROD9 | S65;P1.25 | S68;P1.49 | | | | |
| S68;P1.50 | PROD10 | 2OTYFRACT | S65;P1.18 | S68;P1.50 | | | | |
| S68;P1.52 | PROD11 | 2OTYLSB | S65;P1.12 | S68;P1.52 | | | | |
| S68;P1.54 | I11 | 2OTDATAIN11 | S68;P1.54 | S69;P1.36 | | | | |
| S68;P1.55 | 2GW | 2OC2GW | S68;P1.55 | S69;P1.8 | | | | |
| S68;P1.56 | 2WR0 | 2OC2WR0 | S68;P1.56 | S69;P1.28 | | | | |
| S68;P1.57 | 2WR1 | 2OC2WR1 | S68;P1.57 | S69;P1.15 | | | | |
| S68;P1.58 | 2WR2 | 2OC2WR2 | S68;P1.58 | S69;P1.16 | | | | |
| S68;P1.59 | 1GW | 2OC1GW | S68;P1.59 | S69;P1.9 | | | | |
| S68;P1.60 | 1W0 | 2OC1W0 | S68;P1.60 | S69;P1.17 | | | | |
| S68;P1.62 | 1W1 | 2OC1W1 | S68;P1.62 | S69;P1.18 | | | | |
| S68;P1.63 | 1W2 | 2OC1W2 | S68;P1.63 | S69;P1.19 | | | | |
| S68;P1.64 | 1R0 | 2OC1R0 | S68;P1.64 | S69;P1.32 | | | | |
| S68;P1.65 | 1R1 | 2OC1R1 | S68;P1.65 | S69;P1.30 | | | | |
| S68;P1.66 | 1R2 | 2OC1R2 | S68;P1.66 | S69;P1.29 | | | | |
| S68;P1.67 | M3 | 2OTMULT3 | S66;P1.24 | S67;P1.24 | S68;P1.67 | | | |
| S68;P1.68 | M2 | 2OTMULT2 | S66;P1.33 | S67;P1.33 | S68;P1.68 | | | |
| S68;P1.69 | M1 | 2OTMULT1 | S66;P1.73 | S67;P1.73 | S68;P1.69 | | | |
| S68;P1.72 | INPUTSELECT | 2OCSELYINPUT | S68;P1.72 | S69;P1.33 | | | | |
| S68;P1.73 | Y3 | 2DDYMD3 | S68;P1.67 | S72;P1.37 | S73;P1.37 | S82;P1.52# | S92;P1.54 | S71;P1.37 |
| S68;P1.74 | X3 | 2DDXMD3 | S47;P1.67 | S48;P1.42 | S49;P1.33 | S68;P1.74 | S70;P1.37 | |
| | | | S81;P1.52# | S90;P1.54 | | | | |
| S68;P1.75 | Y2 | 2DDYMD2 | S68;P1.75 | S72;P1.64 | S73;P1.64 | S82;P1.56# | S92;P1.53 | S71;P1.64 |
| S68;P1.76 | X2 | 2DDXMD2 | S47;P1.65 | S48;P1.43 | S49;P1.32 | S68;P1.76 | S70;P1.64 | |
| | | | S81;P1.56# | S90;P1.53 | | | | |
| S68;P1.77 | Y1 | 2DDYMD1 | S68;P1.77 | S72;P1.39 | S73;P1.39 | S82;P1.50# | S92;P1.52 | S71;P1.39 |
| S68;P1.78 | X1 | 2DDXMD1 | S47;P1.63 | S48;P1.44 | S49;P1.29 | S68;P1.78 | S70;P1.39 | |
| | | | S81;P1.50# | S90;P1.52 | | | | |
| S68;P1.79 | Y0 | 2DDYMD0 | S68;P1.79 | S72;P1.44 | S73;P1.44 | S82;P1.46# | S92;P1.50 | S71;P1.44 |
| S68;P1.80 | X0 | 2DDXMD0 | S47;P1.59 | S48;P1.45 | S49;P1.30 | S68;P1.80 | S70;P1.44 | |
| | | | S81;P1.46# | S90;P1.50 | | | | |
| S69;P1.1 | GROUND | 1TW*CMCLK5 | S12;P1.80 | S13;P1.80 | S1;P1.1 | S2;P1.1 | S3;P1.1 | S46;P1.31 |
| | | | S4;P1.1 | S5;P1.1 | S65;P1.1 | S66;P1.1 | S67;P1.1 | S68;P1.1 |

FIELD RPT BY PIN#   10-FEB-89   09:24:37

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S69;P1.3 | *CLOCK | *CMCLK8 | S69;P1.1  S72;P1.80  S73;P1.80  S76;P1.1  S76;P1.80  S77;P1.80  S8;P1.80  S9;P1.80 |
| S69;P1.4 | *BMAINT | 2OC*BMAINT | S1;P1.3  S2;P1.3  S3;P1.3  S46;P1.26  S4;P1.3  S5;P1.3 |
| S69;P1.5 | *CHAN | *CMCHN2 | S65;P1.3  S66;P1.3  S67;P1.3  S68;P1.3  S68;P1.3  S83;P1.3  S65;P1.5  S66;P1.7  S67;P1.7  S69;P1.4  S69;P1.4  S46;P1.53  S53;P1.66  S54;P1.66  S69;P1.5  S79;P1.52  S94;P1.45  S69;P1.7 |
| S69;P1.6 | *ITSME | *IMHERE | S15;P1.80  S19;P1.50#  S46;P1.79  S54;P1.6#  S5;P1.6  S64;P1.6#  S69;P1.6  S79;P1.80  S83;P1.50# |
| S69;P1.7 | SEROUT | MDOUT | S15;P1.76  S19;P1.55#  S46;P1.9  S54;P1.70#  S5;P1.7  S64;P1.70#  S69;P1.7  S79;P1.76  S83;P1.55# |
| S69;P1.8 | *ENABLEWRITE | 2OC2GW | S68;P1.55  S69;P1.8 |
| S69;P1.9 | *ENABLEWRITE | 2OC1GW | S68;P1.59  S69;P1.9 |
| S69;P1.10 | CTLYMOD | 2OCCTLYMOD | S65;P1.17  S69;P1.10  S30;P1.29  S46;P1.6  S53;P1.28  S54;P1.59 |
| S69;P1.12 | SHIFT | CMSHIFT | S15;P1.28  S19;P1.26  S64;P1.59  S69;P1.12  S79;P1.28  S83;P1.26  S5;P1.12  S63;P1.59  S94;P1.29 |
| S69;P1.13 | LOOP | CMDEVEN8 | S46;P1.67  S5;P1.13  S69;P1.13 |
| S69;P1.14 | SHIFTPRDATA | 2OCSHIFTPRDATA | S66;P1.66  S67;P1.66  S69;P1.14 |
| S69;P1.15 | 2WR1 | 2OC2WR1 | S68;P1.57  S69;P1.15 |
| S69;P1.16 | 2WR2 | 2OC2WR2 | S68;P1.58  S69;P1.16 |
| S69;P1.17 | 1W0 | 2OC1W0 | S68;P1.60  S69;P1.17 |
| S69;P1.18 | 1W1 | 2OC1W1 | S68;P1.62  S69;P1.18 |
| S69;P1.19 | 1W2 | 2OC1W2 | S68;P1.63  S69;P1.19 |
| S69;P1.20 | LDDATA | 2OCLOADINPUTDATA | S68;P1.8  S69;P1.20 |
| S69;P1.22 | LDMULT | 2OCLOADMULT | S68;P1.6  S69;P1.22 |
| S69;P1.23 | *DDACCEPT | *2DPACCEPT | S50;P1.39#  S69;P1.39#  S79;P1.53  S83;P1.16# |
| S69;P1.24 | *DPDECODE | *2DPDECODE | S50;P1.38#  S69;P1.24  S79;P1.44  S83;P1.32# |
| S69;P1.25 | WAITSTCT | 2ICWAITSTCT | S65;P1.19  S69;P1.25 |
| S69;P1.26 | DDAVAIL | 2ACDDAVAIL | S50;P1.37  S69;P1.26  S79;P1.46  S83;P1.37# |
| S69;P1.27 | *RESET | *CMGRE0 | S68;P1.18  S46;P1.13  S5;P1.27  S69;P1.27  S94;P1.18 |
| S69;P1.28 | 2WR0 | 2OC2WR0 | S68;P1.56  S69;P1.28 |
| S69;P1.29 | 1R2 | 2OC1R2 | S68;P1.66  S69;P1.29 |
| S69;P1.30 | 1R1 | 2OC1R1 | S68;P1.65  S69;P1.30 |
| S69;P1.32 | 1R0 | 2OC1R0 | S68;P1.64  S69;P1.32 |
| S69;P1.33 | SELINPUT | 2OCSELYINPUT | S68;P1.72  S69;P1.33  S69;P1.34 |
| S69;P1.34 | LDHOLD | 2OCLOADHOLD | S67;P1.4  S67;P1.4 |
| S69;P1.35 | LDPROD | 2OCLOADPROD | S68;P1.7  S67;P1.7  S69;P1.35 |
| S69;P1.36 | SHIFTIN | 2OTDATAIN11 | S68;P1.54  S69;P1.36 |
| S69;P1.37 | LIGHTPRIORIT | 2DDYB0 | S65;P1.62  S69;P1.37  S79;P1.49  S82;P1.18#  S83;P1.52 |
| S69;P1.38 | PERMITLIGHT | 2OCPERMITLIGHT | S69;P1.38  S83;P1.74 |
| S69;P1.39 | STOT1 | 2OCSTCT1 | S65;P1.49  S69;P1.39 |
| S69;P1.40 | STOT0 | 2OCSTCT0 | S65;P1.47  S69;P1.40  S69;P1.9 |
| S69;P1.42 | LOADYCNT | 2OCLOADYCNT | S50;P1.33  S69;P1.42  S79;P1.22  S82;P1.13#  S83;P1.6 |
| S69;P1.43 | Y20 | 2DDYB4 | S96;P1.68  S69;P1.43 |
| S69;P1.44 | XCNT6 | 2OCXCNT6 | S66;P1.16  S67;P1.16  S69;P1.44 |
| S69;P1.45 | XCNT5 | 2OCXCNT5 | S66;P1.18  S67;P1.18  S69;P1.45 |
| S69;P1.46 | XCNT4 | 2OCXCNT4 | S66;P1.20  S67;P1.20  S69;P1.46 |
| S69;P1.47 | XCNT3 | 2OCXCNT3 | S66;P1.23  S67;P1.23  S69;P1.47 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S69;P1.48 | XCNT2 | 2OCXCNT2 | S66;P1.32  S67;P1.32  S69;P1.48 |
| S69;P1.49 | XCNT1 | 2OCXCNT1 | S66;P1.72  S67;P1.72  S69;P1.49 |
| S69;P1.50 | DRAWSURF | 2ACDRAWSURF | S50;P1.29  S69;P1.50  S80;P1.29  S83;P1.18#  S88;P1.19  S90;P1.74  S92;P1.74 |
| S69;P1.52 | MEMPRIORITY | 2OSBLANKLIGHT | S65;P1.6#  S69;P1.52 |
| S69;P1.53 | AGTB | 2OMAGTB | S67;P1.52  S69;P1.53 |
| S69;P1.54 | YSIGN | 2OTPROD0 | S68;P1.39  S69;P1.54  S94;P1.70  S96;P1.70 |
| S69;P1.55 | Y18 | 2DDYB2 | S50;P1.30  S69;P1.55  S83;P1.4 |
| S69;P1.56 | Y21 | 2DDYB5 | S50;P1.34  S69;P1.56  S83;P1.45  S94;P1.47  S96;P1.47 |
| S69;P1.57 | Y22 | 2DDYB6 | S50;P1.35  S69;P1.57  S83;P1.44 |
| S69;P1.58 | Y23 | 2DDYB7 | S50;P1.36  S69;P1.58  S83;P1.76 |
| S69;P1.59 | YCNT1 | 2OCYCNT1 | S66;P1.69  S67;P1.69  S69;P1.59 |
| S69;P1.60 | *CMCLK20MHZ | *CMCLK20MHZ | S24;P1.69  S46;P1.14  S5;P1.60  S69;P1.60  S88;P1.69  S20;P1.71 |
| S69;P1.61 | GROUND | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.71  S16;P1.71  S47;P1.11  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.21  S46;P1.21  S74;P1.80  S5;P1.61  S6;P1.80  S69;P1.80  S70;P1.80  S71;P1.80  S80;P1.71  S75;P1.1  S78;P1.21  S79;P1.31  S7;P1.80  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80 |
| S69;P1.62 | YCNT9 | 2OCYCNT9 | S66;P1.34  S67;P1.34  S69;P1.62 |
| S69;P1.63 | YCNT8 | 2OCYCNT8 | S66;P1.36  S67;P1.36  S69;P1.63 |
| S69;P1.64 | YCNT7 | 2OCYCNT7 | S66;P1.38  S67;P1.38  S69;P1.64 |
| S69;P1.65 | YCNT6 | 2OCYCNT6 | S66;P1.53  S67;P1.53  S69;P1.65 |
| S69;P1.66 | YCNT5 | 2OCYCNT5 | S66;P1.55  S67;P1.55  S69;P1.66 |
| S69;P1.67 | YCNT4 | 2OCYCNT4 | S66;P1.57  S67;P1.57  S69;P1.67 |
| S69;P1.68 | YCNT3 | 2OCYCNT3 | S66;P1.59  S67;P1.59  S69;P1.68 |
| S69;P1.69 | YCNT2 | 2OCYCNT2 | S66;P1.67  S67;P1.67  S69;P1.69 |
| S69;P1.70 | LOADMEMINPUT | 2OCLOADMEMINPUT | S66;P1.5  S67;P1.5  S69;P1.70 |
| S69;P1.71 | GROUND | 1TW*CMCLK9 | S47;P1.31  S5;P1.71  S69;P1.71 |
| S69;P1.72 | *MAINTCLOCK | *CMCLK9 | S46;P1.28  S5;P1.72  S69;P1.72 |
| S69;P1.73 | MEMREF | 2OCMEMREF | S66;P1.64  S67;P1.64  S69;P1.73 |
| S69;P1.74 | CAS | 2OCCAS | S66;P1.62  S67;P1.62  S69;P1.74 |
| S69;P1.75 | RC | 2OCRC | S66;P1.6  S67;P1.6  S69;P1.75 |
| S69;P1.76 | RAS | 2OCRAS | S66;P1.65  S67;P1.65  S69;P1.76 |
| S69;P1.77 | WADDRSEL | 2OCWADDRSEL | S66;P1.29  S67;P1.29  S69;P1.77 |
| S69;P1.78 | MEMREAD | 2OCMEMREAD | S66;P1.13  S67;P1.13  S69;P1.78 |
| S69;P1.79 | MEMWRITE | 2OCMEMWRITE | S65;P1.20  S69;P1.79  S79;P1.23  S82;P1.15#  S83;P1.5  S94;P1.69 |
| S69;P1.80 | Y19 | 2DDYB3 | S50;P1.32  S69;P1.80  S96;P1.69 |
| S70;P1.2 | | +5V70 | S70;P1.4 |
| S70;P1.3 | *WAU | *2EEFWRTAUO | S79;P1.3 |
| S70;P1.4 | | +5V70 | S70;P1.2 |
| S70;P1.6 | *CEAU | 2EGOGND | S70;P1.41  S70;P1.58  S70;P1.6  S70;P1.67  S70;P1.69 |
| S70;P1.7 | ADR1 | 2FGOEADR1 | S70;P1.7  S74;P1.10 |
| S70;P1.8 | ADR2 | 2FGOEADR2 | S70;P1.8  S74;P1.63 |
| S70;P1.10 | ADR0 | 2FGOEADR0 | S70;P1.10  S74;P1.12 |
| S70;P1.12 | *A16 | *2EGOA16 | S70;P1.12  S74;P1.30 |
| S70;P1.14 | *A18 | *2EGOA18 | S70;P1.14  S74;P1.38 |
| S70;P1.15 | AUSIN | *2EGOA15 | S70;P1.15  S70;P1.63  S74;P1.29 |
| S70;P1.16 | *A17 | *2EGOA17 | S70;P1.16  S74;P1.35 |
| S70;P1.17 | *A19 | *2EGOA19 | S70;P1.17  S74;P1.36 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S70;P1.18 | *DI7 | 2DDXMD8 | S47;P1.66  S81;P1.65#  S48;P1.36  S90;P1.59  S49;P1.38  S94;P1.67  S68;P1.32  S70;P1.18  S71;P1.18 |
| S70;P1.19 | START | 2EGOSTART | S70;P1.19 |
| S70;P1.20 | ONES | 2EGOONES | S70;P1.20 |
| S70;P1.22 | *DI3 | 2DDXMD12 | S74;P1.6  S74;P1.7  S48;P1.32  S94;P1.60  S49;P1.44  S70;P1.22  S71;P1.22  S81;P1.63# |
| S70;P1.23 | *START | *2EGOSTART | S70;P1.23  S70;P1.76  S81;P1.58#  S90;P1.65 |
| S70;P1.27 | *DI2 | 2DDXMD13 | S47;P1.76  S94;P1.59  S49;P1.43  S96;P1.49  S70;P1.27  S71;P1.27  S81;P1.64#  S90;P1.66 |
| S70;P1.28 | *DI1 | 2DDXMD14 | S47;P1.78  S94;P1.49  S70;P1.28  S71;P1.28 |
| S70;P1.29 | LOAD | 2EFLOADA | S70;P1.29  S71;P1.29  S72;P1.29  S73;P1.29  S79;P1.33 |
| S70;P1.30 | *DI5 | 2DDXMD10 | S47;P1.70  S81;P1.68#  S48;P1.34  S90;P1.62  S49;P1.40  S94;P1.65  S68;P1.27  S70;P1.30  S71;P1.30 |
| S70;P1.33 | *SENSE | *2FGOSENSE | S70;P1.33  S74;P1.14  S74;P1.5  S74;P1.65  S75;P1.65 |
| S70;P1.34 | *A31 | 2EGOA31 | S70;P1.34  S71;P1.35  S72;P1.35  S73;P1.35 |
| S70;P1.35 | SHIFT | 2EFDEVB | S76;P1.65  S77;P1.65  S79;P1.29 |
| S70;P1.36 | SENSE | 2FGOSENSE | S70;P1.36  S71;P1.45  S74;P1.13  S49;P1.33  S68;P1.74 |
| S70;P1.37 | *DI12 | 2DDXMD3 | S47;P1.67  S81;P1.52#  S48;P1.42  S90;P1.54  S71;P1.38  S70;P1.37  S71;P1.37 |
| S70;P1.38 | CYIN | CMPUP | S46;P1.4  S7;P1.38  S6;P1.38  S8;P1.38  S70;P1.38  S9;P1.38  S68;P1.78  S72;P1.38  S73;P1.38 |
| S70;P1.39 | *DI14 | 2DDXMD1 | S47;P1.63  S81;P1.50#  S48;P1.44  S90;P1.52  S49;P1.29  S70;P1.39  S71;P1.39 |
| S70;P1.40 | *DI9 | 2DDXMD6 | S47;P1.62  S81;P1.75#  S48;P1.38  S90;P1.57  S49;P1.36  S68;P1.13  S70;P1.40  S71;P1.40 |
| S70;P1.41 |  | 2EGOGND | S70;P1.41  S70;P1.58  S70;P1.6  S70;P1.67  S70;P1.69 |
| S70;P1.42 | *DI10 | 2DDXMD5 | S47;P1.60  S81;P1.73#  S48;P1.39  S90;P1.56  S49;P1.35  S68;P1.15  S70;P1.42  S71;P1.42 |
| S70;P1.43 | *DI4 | 2DDXMD11 | S47;P1.72  S81;P1.66#  S48;P1.33  S90;P1.63  S49;P1.42  S94;P1.64  S68;P1.25  S70;P1.43  S71;P1.43 |
| S70;P1.44 | *DI15 | 2DDXMD0 | S47;P1.59  S81;P1.46#  S48;P1.45  S90;P1.50  S49;P1.30  S68;P1.80  S70;P1.44  S71;P1.44 |
| S70;P1.45 | ALSIN | 2PSENDF2 | S70;P1.45  S78;P1.47# |
| S70;P1.46 | *DI8 | 2DDXMD7 | S47;P1.64  S81;P1.76#  S48;P1.37  S90;P1.58  S49;P1.37  S68;P1.10  S70;P1.46  S71;P1.46 |
| S70;P1.48 | *DI6 | 2DDXMD9 | S47;P1.68  S81;P1.60  S48;P1.35  S90;P1.60  S49;P1.39  S94;P1.66  S68;P1.29  S70;P1.48  S71;P1.48 |
| S70;P1.50 | *A8 | *2EGOA8 | S70;P1.50  S74;P1.28 |
| S70;P1.53 | *A9 | *2EGOA9 | S70;P1.53  S74;P1.27 |
| S70;P1.54 | *A11 | *2EGOA11 | S70;P1.54  S74;P1.34 |
| S70;P1.55 | *DI11 | 2DDXMD4 | S47;P1.58  S81;P1.77#  S48;P1.40  S90;P1.55  S49;P1.34  S68;P1.17  S70;P1.55  S71;P1.55 |
| S70;P1.56 | *A10 | *2EGOA10 | S70;P1.56  S74;P1.33 |
| S70;P1.57 | SELSUM | 2EFSELSUM | S70;P1.57  S71;P1.57  S72;P1.57  S73;P1.57  S79;P1.32 |
| S70;P1.58 | *CEAL | 2EGOGND | S70;P1.58  S70;P1.6  S70;P1.67  S70;P1.69 |
| S70;P1.60 | *A12 | *2EGOA12 | S70;P1.60  S74;P1.32 |
| S70;P1.62 | *DI0 | 2DDXMD15 | S47;P1.80  S94;P1.50  S49;P1.47  S96;P1.50  S70;P1.62  S71;P1.62  S81;P1.57#  S90;P1.67 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S70;P1.63 | *A15 | *2EG0A15 | S70;P1.15, S74;P1.29, S68;P1.76, S71;P1.64 |
| S70;P1.64 | *DI13 | 2DDXMD2 | S47;P1.65, S48;P1.43, S49;P1.32, S81;P1.56#, S90;P1.53, S74;P1.67 |
| S70;P1.65 | *A13 | *2EG0A13 | S70;P1.66, S74;P1.37, S70;P1.67 |
| S70;P1.66 | *A14 | *2EG0A14 | S70;P1.41, S79;P1.5, S70;P1.6, S70;P1.69 |
| S70;P1.67 | *CEBU | 2EG0GND | S70;P1.68, S70;P1.58, S70;P1.6, S70;P1.67, S70;P1.69 |
| S70;P1.68 | *WAL | *2EFWRTALO | S70;P1.41, S79;P1.5 |
| S70;P1.69 | *CEBL | 2EG0GND | S70;P1.58, S79;P1.13 |
| S70;P1.70 | *WBU | *2EFWRTBUO | S79;P1.14, S79;P1.13 |
| S70;P1.72 | *WBL | *2EFWRTBLO | S79;P1.72, S74;P1.16 |
| S70;P1.73 | ADR4 | 2FG0EADR4 | S74;P1.16, S74;P1.15 |
| S70;P1.74 | ADR5 | 2FG0EADR5 | S74;P1.15, S74;P1.18 |
| S70;P1.76 | ADR3 | 2FG0EADR3 | S74;P1.18 |
| S70;P1.79 | *CLK | *CMCLK4 | S10;P1.79, S11;P1.79, S14;P1.22, S15;P1.34, S16;P1.21, S20;P1.72, S21;P1.72, S22;P1.72, S23;P1.72, S46;P1.19, S6;P1.79, S70;P1.79, S74;P1.79, S75;P1.3, S75;P1.22, S78;P1.22, S79;P1.79, S79;P1.34, S7;P1.79, S80;P1.72, S84;P1.72, S85;P1.72, S86;P1.72, S87;P1.72 |
| S70;P1.80 | | 1TW*CMCLK4 | S10;P1.80, S11;P1.80, S14;P1.21, S15;P1.31, S16;P1.21, S20;P1.71, S21;P1.71, S22;P1.71, S23;P1.71, S46;P1.21, S47;P1.11, S74;P1.80, S5;P1.61, S69;P1.61, S6;P1.80, S70;P1.80, S71;P1.80, S75;P1.1, S75;P1.80, S78;P1.21, S79;P1.31, S80;P1.71, S85;P1.71, S84;P1.71, S86;P1.71, S87;P1.71, S12;P1.80, S80;P1.71 |
| S71;P1.2 | | +5V71 | S71;P1.2, S71;P1.4 |
| S71;P1.3 | *WAU | *2EFWRTAU1 | S71;P1.3, S79;P1.6, S71;P1.6 |
| S71;P1.4 | | +5V71 | S71;P1.2, S79;P1.6, S71;P1.4 |
| S71;P1.6 | *CEAU | 2EG1GND | S71;P1.41, S71;P1.58 |
| S71;P1.7 | ADR1 | 2FG1EADR1 | S71;P1.7, S75;P1.10 |
| S71;P1.8 | ADR2 | 2FG1EADR2 | S71;P1.8, S75;P1.63 |
| S71;P1.10 | ADR0 | 2FG1EADR0 | S71;P1.10, S75;P1.12 |
| S71;P1.12 | *A16 | *2EG1A16 | S71;P1.12, S75;P1.30 |
| S71;P1.14 | *A18 | *2EG1A18 | S71;P1.14, S75;P1.38 |
| S71;P1.15 | AUSIN | *2EG1A15 | S71;P1.15, S71;P1.63, S75;P1.29 |
| S71;P1.16 | *A17 | *2EG1A17 | S71;P1.16, S75;P1.35 |
| S71;P1.17 | *A19 | *2EG1A19 | S71;P1.17, S75;P1.36 |
| S71;P1.18 | *DI7 | 2DDXMD8 | S47;P1.66, S48;P1.36, S49;P1.38, S68;P1.32, S70;P1.18, S71;P1.18, S81;P1.65#, S90;P1.59, S94;P1.67 |
| S71;P1.19 | START | 2EG1START | S71;P1.19, S75;P1.6 |
| S71;P1.20 | ONES | 2EG1ONES | S71;P1.20, S75;P1.7 |
| S71;P1.22 | *DI3 | 2DDXMD12 | S47;P1.74, S48;P1.32, S49;P1.44, S70;P1.22, S71;P1.22, S90;P1.64, S94;P1.60, S81;P1.63# |
| S71;P1.23 | *START | *2EG1START | S71;P1.23, S75;P1.76, S71;P1.27 |
| S71;P1.27 | *DI2 | 2DDXMD13 | S47;P1.76, S49;P1.45, S71;P1.27, S81;P1.58#, S94;P1.59, S90;P1.65 |
| S71;P1.28 | *DI1 | 2DDXMD14 | S49;P1.78, S96;P1.49, S70;P1.28, S71;P1.28, S81;P1.64#, S94;P1.49, S90;P1.66 |
| S71;P1.29 | LOAD | 2EFLOADA | S94;P1.49, S71;P1.29, S72;P1.29, S73;P1.33, S79;P1.33 |
| S71;P1.30 | *DI5 | 2DDXMD10 | S47;P1.70, S48;P1.34, S49;P1.40, S68;P1.27, S70;P1.30, S71;P1.30, S81;P1.68#, S90;P1.62, S94;P1.65 |
| S71;P1.33 | *SENSE | *2FG1SENSE | S71;P1.33, S75;P1.14 |
| S71;P1.34 | *A31 | 2EG1A31 | S71;P1.34, S75;P1.5 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S71;P1.35 | SHIFT | 2EFDEVB | S70;P1.35  S71;P1.35  S72;P1.35  S73;P1.35  S74;P1.65  S75;P1.65  S76;P1.65  S77;P1.65  S79;P1.29 |
| S71;P1.36 | SENSE | 2FG1SENSE | S71;P1.36  S75;P1.13  S79;P1.72 |
| S71;P1.37 | *DI12 | 2DDXMD3 | S47;P1.67  S48;P1.42  S49;P1.33  S68;P1.74  S70;P1.37  S71;P1.37  S81;P1.52#  S90;P1.54 |
| S71;P1.38 | CYIN | CMPUP | S46;P1.4  S6;P1.38  S70;P1.38  S71;P1.38  S72;P1.38  S73;P1.38  S7;P1.38  S8;P1.38  S9;P1.38 |
| S71;P1.39 | *DI14 | 2DDXMD1 | S47;P1.63  S48;P1.44  S49;P1.29  S68;P1.78  S70;P1.39  S71;P1.39  S81;P1.50#  S90;P1.52 |
| S71;P1.40 | *DI9 | 2DDXMD6 | S47;P1.62  S48;P1.38  S49;P1.36  S68;P1.13  S70;P1.40  S71;P1.40 |
| S71;P1.41 |  | 2EG1GND | S71;P1.41  S71;P1.58  S71;P1.6  S71;P1.67  S71;P1.69 |
| S71;P1.42 | *DI10 | 2DDXMD5 | S47;P1.60  S48;P1.39  S49;P1.35  S68;P1.15  S70;P1.42  S71;P1.42  S81;P1.73#  S90;P1.56  S49;P1.42 |
| S71;P1.43 | *DI4 | 2DDXMD11 | S47;P1.72  S90;P1.63  S94;P1.64  S68;P1.25  S70;P1.43  S71;P1.43  S81;P1.66#  S48;P1.33 |
| S71;P1.44 | *DI15 | 2DDXMD0 | S47;P1.59  S90;P1.50  S49;P1.30  S68;P1.80  S70;P1.44  S71;P1.44  S81;P1.46#  S48;P1.45 |
| S71;P1.45 | ALSIN | 2FG0SENSE | S70;P1.36  S71;P1.45  S74;P1.13  S68;P1.10 |
| S71;P1.46 | *DI8 | 2DDXMD7 | S47;P1.64  S48;P1.37  S49;P1.37  S68;P1.29  S70;P1.46  S71;P1.46  S81;P1.76#  S90;P1.58 |
| S71;P1.48 | *DI6 | 2DDXMD9 | S47;P1.68  S48;P1.35  S49;P1.39  S68;P1.17  S70;P1.48  S71;P1.48  S81;P1.60  S90;P1.60 |
| S71;P1.50 | *A8 | *2EG1A8 | S71;P1.50  S75;P1.28 |
| S71;P1.53 | *A9 | *2EG1A9 | S71;P1.53  S75;P1.27 |
| S71;P1.54 | *A11 | *2EG1A11 | S71;P1.54  S75;P1.34 |
| S71;P1.55 | *DI11 | 2DDXMD4 | S47;P1.58  S48;P1.40  S94;P1.66  S73;P1.57  S70;P1.55  S71;P1.55  S81;P1.77#  S90;P1.55 |
| S71;P1.56 | *A10 | *2EG1A10 | S71;P1.56  S75;P1.33 |
| S71;P1.57 | SELSUM | 2EFSELSUM | S70;P1.57  S71;P1.57  S72;P1.57  S73;P1.57  S79;P1.32 |
| S71;P1.58 | *CEAL | 2EG1GND | S71;P1.41  S71;P1.58  S71;P1.6  S71;P1.67  S71;P1.69 |
| S71;P1.60 | *A12 | *2EG1A12 | S71;P1.60  S75;P1.32  S70;P1.62 |
| S71;P1.62 | *DI0 | 2DDXMD15 | S47;P1.80  S94;P1.50  S49;P1.47  S96;P1.50  S75;P1.29  S71;P1.62  S81;P1.57#  S90;P1.67 |
| S71;P1.63 | *A15 | *2EG1A15 | S71;P1.15  S71;P1.63 |
| S71;P1.64 | *DI13 | 2DDXMD2 | S47;P1.65  S81;P1.56#  S48;P1.43  S90;P1.53  S49;P1.32  S68;P1.76  S70;P1.64  S71;P1.64 |
| S71;P1.65 | *A13 | *2EG1A13 | S71;P1.65  S75;P1.67 |
| S71;P1.66 | *A14 | *2EG1A14 | S71;P1.66  S75;P1.37 |
| S71;P1.67 | *CEBU | 2EG1GND | S71;P1.41  S71;P1.58  S71;P1.6  S71;P1.67  S71;P1.69 |
| S71;P1.68 | *WAL | *2EFWRTAL1 | S71;P1.68  S79;P1.7 |
| S71;P1.69 | *CEBL | 2EG1GND | S71;P1.41  S71;P1.58  S71;P1.6  S71;P1.67  S71;P1.69 |
| S71;P1.70 | *WBU | *2EFWRTBU1 | S71;P1.72  S79;P1.16 |
| S71;P1.72 | *WBL | *2EFWRTBL1 | S79;P1.72  S79;P1.16 |
| S71;P1.73 | ADR4 | 2FG1EADR4 | S75;P1.73  S75;P1.15  S16;P1.72  S20;P1.72 |
| S71;P1.74 | ADR5 | 2FG1EADR5 | S75;P1.74  S75;P1.15 |
| S71;P1.76 | ADR3 | 2FG1EADR3 | S75;P1.76  S75;P1.18  S6;P1.79  S70;P1.79 |
| S71;P1.79 | *CLK | *CMCLK4 | S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S71;P1.79  S74;P1.79  S75;P1.3  S75;P1.79  S78;P1.22  S79;P1.34 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S71;P1.80 | | 1TW*CMCLK4 | S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S72;P1.2 | | +5V72 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71 |
| S72;P1.3 | *WAU | *2EFWRTAU2 | S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S47;P1.11 |
| S72;P1.4 | | +5V72 | S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80 |
| S72;P1.6 | *CEAU | 2EG2GND | S75;P1.80  S75;P1.1  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71 |
| S72;P1.7 | ADR1 | 2FG2EADR1 | S72;P1.41  S72;P1.58  S72;P1.6  S72;P1.67  S72;P1.69 |
| S72;P1.8 | ADR2 | 2FG2EADR2 | S76;P1.10 |
| S72;P1.10 | ADR0 | 2FG2EADR0 | S76;P1.63  S76;P1.12 |
| S72;P1.12 | *A16 | *2EG2A16 | S76;P1.30 |
| S72;P1.14 | *A18 | *2EG2A18 | S76;P1.38 |
| S72;P1.15 | AUSIN | *2EG2A15 | S72;P1.63  S76;P1.35 |
| S72;P1.16 | *A17 | *2EG2A17 | S76;P1.36 |
| S72;P1.17 | *A19 | *2EG2A19 | S72;P1.18  S76;P1.18 |
| S72;P1.18 | *DI7 | 2DDYMD8 | S68;P1.30  S73;P1.18  S82;P1.65#  S92;P1.59 |
| S72;P1.19 | START | 2EG2START | S76;P1.6 |
| S72;P1.20 | ONES | 2EG2ONES | S76;P1.7 |
| S72;P1.22 | *DI3 | 2DDYMD12 | S72;P1.22  S73;P1.22  S82;P1.63#  S92;P1.64 |
| S72;P1.23 | *START | *2EG2START | S76;P1.76  S73;P1.23 |
| S72;P1.27 | *DI2 | 2DDYMD13 | S72;P1.27  S73;P1.27  S82;P1.58#  S92;P1.65  S94;P1.36  S96;P1.36 |
| S72;P1.28 | *DI1 | 2DDYMD14 | S72;P1.28  S73;P1.28  S82;P1.64#  S92;P1.66  S79;P1.33 |
| S72;P1.29 | LOAD | 2EFLOADA | S71;P1.29  S72;P1.29  S73;P1.29  S82;P1.29 |
| S72;P1.30 | *DI5 | 2DDYMD10 | S72;P1.30  S73;P1.30  S82;P1.68#  S92;P1.62 |
| S72;P1.33 | *SENSE | *2FG2SENSE | S72;P1.33  S76;P1.14  S75;P1.65 |
| S72;P1.34 | *A31 | 2EG2A31 | S72;P1.34  S76;P1.5 |
| S72;P1.35 | SHIFT | 2EFDEVB | S70;P1.35  S71;P1.35  S72;P1.35  S73;P1.35  S74;P1.65 |
| S72;P1.36 | SENSE | 2FG2SENSE | S76;P1.65  S76;P1.29  S73;P1.45  S82;P1.52#  S92;P1.54 |
| S72;P1.37 | *DI12 | 2DDYMD3 | S68;P1.73  S72;P1.37  S73;P1.37  S82;P1.52#  S92;P1.54 |
| S72;P1.38 | CYIN | CMPUP | S46;P1.4  S6;P1.38  S70;P1.38  S71;P1.38  S72;P1.38  S73;P1.38 |
| S72;P1.39 | *DI14 | 2DDYMD1 | S68;P1.77  S72;P1.39  S73;P1.39  S82;P1.50#  S92;P1.52 |
| S72;P1.40 | *DI9 | 2DDYMD6 | S68;P1.12  S72;P1.40  S73;P1.40  S82;P1.75#  S92;P1.57 |
| S72;P1.41 | | 2EG2GND | S72;P1.41  S72;P1.58  S72;P1.6  S72;P1.67  S72;P1.69 |
| S72;P1.42 | *DI10 | 2DDYMD5 | S68;P1.14  S72;P1.42  S73;P1.42  S82;P1.73#  S92;P1.56 |
| S72;P1.43 | *DI4 | 2DDYMD11 | S68;P1.24  S72;P1.43  S73;P1.43  S82;P1.66#  S92;P1.63 |
| S72;P1.44 | *DI15 | 2DDYMD0 | S68;P1.79  S72;P1.44  S73;P1.44  S82;P1.46#  S92;P1.50 |
| S72;P1.45 | ALSIN | CMSEROUT | S15;P1.70  S17;P1.5  S1;P1.23  S46;P1.37  S47;P1.40  S57;P1.40 |
| S72;P1.46 | *DI8 | 2DDYMD7 | S65;P1.23  S72;P1.45  S79;P1.70  S81;P1.5  S8;P1.45 |
| S72;P1.48 | *DI6 | 2DDYMD9 | S68;P1.9  S72;P1.46  S73;P1.46  S82;P1.76#  S92;P1.58 |
| S72;P1.50 | *A8 | *2EG2A8 | S68;P1.28  S72;P1.48  S73;P1.48  S82;P1.60  S92;P1.60 |
| S72;P1.53 | *A9 | *2EG2A9 | S72;P1.50  S76;P1.28 |
| S72;P1.54 | *A11 | *2EG2A11 | S72;P1.53  S76;P1.27 |
| S72;P1.55 | *DI11 | 2DDYMD4 | S76;P1.54  S72;P1.54  S73;P1.55  S82;P1.77#  S92;P1.55 |
| S72;P1.56 | *A10 | *2EG2A10 | S68;P1.16  S72;P1.55  S76;P1.33 |

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200116100A0
SP1T DP
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STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S72;P1.57 | SELSUM | 2EFSELSUM | S70;P1.57  S71;P1.57  S72;P1.57  S73;P1.57  S79;P1.32 |
| S72;P1.58 | *CEAL | 2EG2GND | S72;P1.41  S72;P1.58  S72;P1.6  S72;P1.69 |
| S72;P1.60 | *A12 | *2EG2A12 | S72;P1.60  S76;P1.32 |
| S72;P1.62 | *DI0 | 2DDYMD15 | S72;P1.62  S73;P1.62  S82;P1.57#  S94;P1.37  S96;P1.37 |
| S72;P1.63 | *A15 | *2EG2A15 | S72;P1.15  S72;P1.63  S76;P1.29 |
| S72;P1.64 | *DI13 | 2DDYMD2 | S68;P1.75  S72;P1.64  S73;P1.64  S82;P1.56#  S92;P1.53 |
| S72;P1.65 | *A13 | *2EG2A13 | S72;P1.65  S76;P1.67 |
| S72;P1.66 | *A14 | *2EG2A14 | S72;P1.66  S76;P1.37 |
| S72;P1.67 | *CEBU | 2EG2GND | S72;P1.41  S72;P1.58  S72;P1.6  S72;P1.69 |
| S72;P1.68 | *WAL | *2EFWRTAL2 | S72;P1.68  S79;P1.9 |
| S72;P1.69 | *CEBL | 2EG2GND | S72;P1.41  S72;P1.58  S72;P1.6  S72;P1.69 |
| S72;P1.70 | *WBU | *2EFWRTBU2 | S72;P1.70  S79;P1.17 |
| S72;P1.72 | *WBL | *2EFWRTBL2 | S72;P1.72  S79;P1.18 |
| S72;P1.73 | ADR4 | 2FG2EADR4 | S72;P1.73  S76;P1.16 |
| S72;P1.74 | ADR5 | 2FG2EADR5 | S72;P1.74  S76;P1.15 |
| S72;P1.76 | ADR3 | 2FG2EADR3 | S72;P1.76  S76;P1.18 |
| S72;P1.79 | *CLK | *CMCLK5 | S12;P1.79  S13;P1.79  S72;P1.79  S73;P1.79  S76;P1.3  S76;P1.79  S77;P1.79  S8;P1.79  S9;P1.79 |
| S72;P1.80 | | 1TW*CMCLK5 | S4;P1.1  S5;P1.1  S1;P1.1  S2;P1.1  S46;P1.31  S69;P1.1  S72;P1.80  S65;P1.1  S66;P1.1  S67;P1.1  S68;P1.1  S8;P1.80  S9;P1.80  S73;P1.80  S76;P1.1  S76;P1.1  S77;P1.80  S12;P1.80 |
| S73;P1.2 | | +5V73 | S73;P1.2  S73;P1.4 |
| S73;P1.3 | *WAU | *2EFWRTAU3 | S73;P1.3  S79;P1.10 |
| S73;P1.4 | | +5V73 | S73;P1.2  S73;P1.4 |
| S73;P1.6 | *CEAU | *2EG3GND | S73;P1.41  S73;P1.58  S73;P1.6  S73;P1.67  S73;P1.69 |
| S73;P1.7 | ADR1 | 2FG3EADR1 | S73;P1.7  S77;P1.63 |
| S73;P1.8 | ADR2 | 2FG3EADR2 | S73;P1.8  S77;P1.12 |
| S73;P1.10 | ADR0 | 2FG3EADR0 | S73;P1.10  S77;P1.30 |
| S73;P1.12 | *A16 | *2EG3A16 | S73;P1.12  S77;P1.38 |
| S73;P1.14 | *A18 | *2EG3A18 | S73;P1.14  S73;P1.63 |
| S73;P1.15 | AUSIN | *2EG3A15 | S73;P1.15  S77;P1.35 |
| S73;P1.16 | *A17 | *2EG3A17 | S73;P1.16  S77;P1.35 |
| S73;P1.17 | *A19 | *2EG3A19 | S73;P1.17  S77;P1.36 |
| S73;P1.18 | *DI7 | 2DDYMD8 | S68;P1.30  S72;P1.18  S73;P1.18  S82;P1.65#  S92;P1.59 |
| S73;P1.19 | START | 2EG3START | S73;P1.19  S77;P1.6 |
| S73;P1.20 | ONES | 2EG3ONES | S73;P1.20  S77;P1.7 |
| S73;P1.22 | *DI3 | 2DDYMD12 | S73;P1.22  S73;P1.63#  S82;P1.64  S92;P1.64 |
| S73;P1.23 | *START | *2EG3START | S73;P1.23  S77;P1.76 |
| S73;P1.27 | *DI2 | 2DDYMD13 | S72;P1.27  S73;P1.27  S82;P1.58#  S92;P1.65  S96;P1.36 |
| S73;P1.28 | *DI1 | 2DDYMD14 | S72;P1.28  S73;P1.28  S82;P1.64#  S92;P1.66  S79;P1.33 |
| S73;P1.29 | LOAD | 2EFLOADA | S70;P1.29  S71;P1.29  S72;P1.29  S73;P1.29  S92;P1.62 |
| S73;P1.30 | *DI5 | 2DDYMD10 | S68;P1.26  S72;P1.30  S73;P1.30  S82;P1.68# |
| S73;P1.33 | *SENSE | *2FG3SENSE | S73;P1.33  S77;P1.14 |
| S73;P1.34 | *A31 | 2EG3A31 | S73;P1.34  S77;P1.5 |
| S73;P1.35 | SHIFT | 2EFDEVB | S70;P1.35  S71;P1.35  S72;P1.35  S73;P1.35  S74;P1.65  S76;P1.65  S77;P1.65  S79;P1.29  S79;P1.75 |
| S73;P1.36 | SENSE | 2FG3SENSE | S73;P1.36  S77;P1.13 |
| S73;P1.37 | *DI12 | 2DDYMD3 | S68;P1.73  S72;P1.37  S82;P1.52#  S92;P1.54  S75;P1.65 |
| S73;P1.38 | CYIN | CMPUP | S46;P1.4  S6;P1.38  S70;P1.38  S71;P1.38  S72;P1.38  S73;P1.38 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S73;P1.39 | *DI14 | 2DDYMD1 | S7;P1.38  S8;P1.38  S9;P1.38 |
| S73;P1.40 | *DI9 | 2DDYMD6 | S68;P1.77  S68;P1.12  S72;P1.39  S73;P1.39 |
| S73;P1.41 | | 2EG3GND | S68;P1.12  S73;P1.41  S72;P1.40  S73;P1.40  S73;P1.40 |
| S73;P1.42 | *DI10 | 2DDYMD5 | S68;P1.14  S73;P1.42  S72;P1.42  S82;P1.50#  S92;P1.52 |
| S73;P1.43 | *DI4 | 2DDYMD11 | S68;P1.24  S73;P1.43  S72;P1.43  S82;P1.75#  S92;P1.57 |
| S73;P1.44 | *DI15 | 2DDYMD0 | S68;P1.79  S73;P1.58  S72;P1.44  S73;P1.6  S73;P1.67  S73;P1.69 |
| S73;P1.45 | ALSIN | 2FG2SENSE | S72;P1.36  S73;P1.45  S76;P1.13  S82;P1.73#  S92;P1.56 |
| S73;P1.46 | *DI8 | 2DDYMD7 | S68;P1.9  S72;P1.46  S73;P1.46  S82;P1.66#  S92;P1.63 |
| S73;P1.48 | *DI6 | 2DDYMD9 | S68;P1.28  S72;P1.48  S73;P1.48  S82;P1.46#  S92;P1.50 |
| S73;P1.50 | *A8 | *2EG3A8 | S73;P1.50  S77;P1.28  S82;P1.76#  S92;P1.58 |
| S73;P1.53 | *A9 | *2EG3A9 | S73;P1.53  S77;P1.27  S82;P1.60  S92;P1.60 |
| S73;P1.54 | *A11 | *2EG3A11 | S73;P1.54  S77;P1.34 |
| S73;P1.55 | *DI11 | 2DDYMD4 | S68;P1.16  S72;P1.55  S73;P1.55  S82;P1.77#  S92;P1.55 |
| S73;P1.56 | *A10 | *2EG3A10 | S73;P1.56  S71;P1.33  S73;P1.57  S73;P1.57  S79;P1.32 |
| S73;P1.57 | SELSUM | 2EFSELSUM | S70;P1.57  S71;P1.57  S73;P1.6  S73;P1.67  S73;P1.69 |
| S73;P1.58 | *CEAL | 2EG3GND | S73;P1.41  S73;P1.58 |
| S73;P1.60 | *A12 | *2EG3A12 | S73;P1.60  S73;P1.62  S82;P1.57#  S92;P1.67  S94;P1.37  S96;P1.37 |
| S73;P1.62 | *DI0 | 2DDYMD15 | S72;P1.62  S73;P1.62  S77;P1.29  S82;P1.56#  S92;P1.53 |
| S73;P1.63 | *A15 | *2EG3A15 | S73;P1.15  S73;P1.63  S72;P1.64 |
| S73;P1.64 | *DI13 | 2DDYMD2 | S68;P1.75  S73;P1.64 |
| S73;P1.65 | *A13 | *2EG3A13 | S73;P1.65  S77;P1.67 |
| S73;P1.66 | *A14 | *2EG3A14 | S73;P1.66  S77;P1.37 |
| S73;P1.67 | *CEBU | 2EG3GND | S73;P1.41  S73;P1.58  S73;P1.6  S73;P1.67  S73;P1.69 |
| S73;P1.68 | *WAL | *2EFWRTAL3 | S73;P1.68  S79;P1.12 |
| S73;P1.69 | *CEBL | 2EG3GND | S73;P1.41  S73;P1.41  S73;P1.6  S73;P1.67  S73;P1.69 |
| S73;P1.70 | *WBU | *2EFWRTBU3 | S73;P1.70  S79;P1.19 |
| S73;P1.72 | *WBL | *2EFWRTBL3 | S73;P1.72  S79;P1.20 |
| S73;P1.73 | ADR4 | 2FG3EADR4 | S73;P1.73  S77;P1.16 |
| S73;P1.74 | ADR5 | 2FG3EADR5 | S73;P1.74  S77;P1.15 |
| S73;P1.76 | ADR3 | 2FG3EADR3 | S73;P1.76  S77;P1.18  S73;P1.79  S76;P1.3 |
| S73;P1.79 | *CLK | *CMCLK5 | S12;P1.79  S13;P1.79  S46;P1.22  S72;P1.79  S73;P1.79  S46;P1.31 |
| S73;P1.80 | | 1TW*CMCLK5 | S12;P1.80  S13;P1.80  S8;P1.79  S9;P1.79  S3;P1.1  S68;P1.1 |
| S74;P1.2 | +5VDC | +5V74 | S4;P1.1  S5;P1.1  S1;P1.1  S2;P1.1  S3;P1.1 |
| S74;P1.4 | | +5V74 | S69;P1.1  S72;P1.1  S65;P1.1  S66;P1.1  S67;P1.1 |
| S74;P1.5 | PLUS | 2EG0A31 | S8;P1.80  S72;P1.80  S73;P1.80  S76;P1.1  S76;P1.80  S77;P1.80 |
| S74;P1.6 | START | 2EG0START | S70;P1.34  S74;P1.4 |
| S74;P1.7 | ONES | 2EG0ONES | S70;P1.19  S74;P1.5 |
| S74;P1.8 | NFFEGTS | 2EGNFFEGTS | S70;P1.20  S74;P1.6 |
| S74;P1.9 | FRONTFACE | 2FD13 | S70;P1.7  S74;P1.7 |
| S74;P1.10 | EA1 | 2FG0EADR1 | S74;P1.8  S76;P1.8  S77;P1.8  S76;P1.9 |
| S74;P1.12 | EA0 | 2FG0EADR0 | S74;P1.58  S75;P1.58  S77;P1.8  S78;P1.80 |
| S74;P1.13 | SENSE | 2FG0SENSE | S74;P1.9  S75;P1.9  S76;P1.9 |
| S74;P1.14 | *SENSE | *2FG0SENSE | S77;P1.58  S75;P1.58  S76;P1.58 |
| S74;P1.15 | EA5 | 2FG0EADR5 | S70;P1.7  S74;P1.10 |

FIELD RPT BY PIN#   10-FEB-89   09:24:37   PAGE 81

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | | |
|---|---|---|---|---|---|---|---|---|
| S74;P1.16 | EA4 | 2FG0EADR4 | S70;P1.73 | S74;P1.16 | S76;P1.17 | S77;P1.17 | S78;P1.15 | S80;P1.62 |
| S74;P1.17 | FD7 | 2FD7 | S74;P1.17 | S75;P1.17 | | | | |
| | | | S81;P1.39# | S82;P1.39# | | | | |
| S74;P1.18 | EA3 | 2FG0EADR3 | S70;P1.76 | S74;P1.18 | S76;P1.19 | S77;P1.19 | S78;P1.74# | S81;P1.34# |
| S74;P1.19 | FD5 | 2FD5 | S74;P1.19 | S75;P1.19 | S85;P1.22 | S86;P1.22 | S87;P1.22 | S81;P1.40# |
| | | | S82;P1.34# | S84;P1.22 | | | | |
| S74;P1.20 | FD6 | 2FD6 | S74;P1.20 | S75;P1.20 | S76;P1.20 | S77;P1.20 | S79;P1.65 | |
| | | | S82;P1.40# | | | | | |
| S74;P1.22 | FD4 | 2FD4 | S74;P1.22 | S75;P1.22 | S76;P1.22 | S77;P1.22 | S78;P1.73# | S81;P1.30# |
| | | | S82;P1.30# | S84;P1.10 | S85;P1.10 | S86;P1.10 | S87;P1.10 | |
| S74;P1.23 | FD2 | 2FD2 | S74;P1.23 | S75;P1.23 | S76;P1.23 | S77;P1.23 | S78;P1.18 | S80;P1.67 |
| | | | S81;P1.33# | S82;P1.33# | | | | |
| S74;P1.24 | FD3 | 2FD3 | S74;P1.24 | S75;P1.24 | S76;P1.24 | S77;P1.24 | S78;P1.76# | S81;P1.28# |
| | | | S82;P1.28# | S84;P1.59 | S85;P1.59 | S86;P1.59 | S87;P1.59 | |
| S74;P1.25 | FD1 | 2FD1 | S74;P1.25 | S75;P1.25 | S76;P1.25 | S77;P1.25 | S78;P1.72# | S81;P1.20# |
| | | | S82;P1.20# | | | | | |
| S74;P1.26 | FD0 | 2FD0 | S74;P1.26 | S75;P1.26 | S76;P1.26 | S77;P1.26 | S78;P1.79# | S81;P1.32# |
| | | | S82;P1.32# | | | | | |
| S74;P1.27 | *A9 | *2EG0A9 | S70;P1.53 | S74;P1.27 | | | | |
| S74;P1.28 | *A8 | *2EG0A8 | S70;P1.50 | S74;P1.28 | | | | |
| S74;P1.29 | *A15 | *2EG0A15 | S70;P1.15 | S70;P1.63 | S74;P1.29 | | | |
| S74;P1.30 | *A16 | *2EG0A16 | S70;P1.12 | S74;P1.30 | | | | |
| S74;P1.32 | *A12 | *2EG0A12 | S70;P1.60 | S74;P1.32 | | | | |
| S74;P1.33 | *A10 | *2EG0A10 | S70;P1.56 | S74;P1.33 | | | | |
| S74;P1.34 | *A11 | *2EG0A11 | S70;P1.54 | S74;P1.34 | | | | |
| S74;P1.35 | *A17 | *2EG0A17 | S70;P1.16 | S74;P1.35 | | | | |
| S74;P1.36 | *A19 | *2EG0A19 | S70;P1.17 | S74;P1.36 | | | | |
| S74;P1.37 | *A14 | *2EG0A14 | S70;P1.66 | S74;P1.37 | | | | |
| S74;P1.38 | *A18 | *2EG0A18 | S70;P1.14 | S74;P1.38 | | | | |
| S74;P1.39 | *STENDF1 | *2FGSTENDF1 | S74;P1.39 | S75;P1.39 | S76;P1.39 | S77;P1.39 | S78;P1.32 | |
| S74;P1.40 | *STENDF2 | *2FGSTENDF2 | S74;P1.40 | S75;P1.40 | S76;P1.40 | S77;P1.40 | S78;P1.33 | |
| S74;P1.42 | *STEND1 | *2FGSTEND1 | S74;P1.42 | S75;P1.42 | S76;P1.42 | S77;P1.43 | S78;P1.36 | |
| S74;P1.43 | *STEND0 | *2FGSTEND0 | S74;P1.43 | S75;P1.43 | S76;P1.43 | S77;P1.44 | S78;P1.37 | |
| S74;P1.44 | *STEND3 | *2FGSTEND3 | S74;P1.44 | S75;P1.44 | S76;P1.44 | S77;P1.45 | S78;P1.29 | |
| S74;P1.45 | *STEND2 | *2FGSTEND2 | S74;P1.45 | S75;P1.45 | S76;P1.45 | S77;P1.46 | S78;P1.30 | |
| S74;P1.46 | *STEND7 | *2FGSTEND7 | S74;P1.46 | S75;P1.46 | S76;P1.46 | S77;P1.47 | S78;P1.23 | |
| S74;P1.47 | *STEND8 | *2FGSTEND8 | S74;P1.47 | S75;P1.47 | S76;P1.47 | S77;P1.48 | S78;P1.27 | |
| S74;P1.48 | *STEND9 | *2FGSTEND9 | S74;P1.48 | S75;P1.48 | S76;P1.48 | S77;P1.49 | S78;P1.26 | |
| S74;P1.49 | *STEND4 | *2FGSTEND4 | S74;P1.49 | S75;P1.49 | S76;P1.49 | S77;P1.50 | S78;P1.35 | |
| S74;P1.50 | *STEND5 | *2FGSTEND5 | S74;P1.50 | S75;P1.50 | S76;P1.50 | S77;P1.52 | S78;P1.34 | |
| S74;P1.52 | FD9 | 2FD9 | S74;P1.52 | S75;P1.52 | S76;P1.52 | S77;P1.52 | S78;P1.7 | S80;P1.65 |
| | | | S81;P1.42# | S82;P1.42# | | | | |
| S74;P1.53 | FD8 | 2FD8 | S74;P1.53 | S75;P1.53 | S76;P1.53 | S77;P1.53 | S78;P1.17 | S80;P1.66 |
| | | | S81;P1.38# | S82;P1.38# | | | | |
| S74;P1.54 | FD10 | 2FD10 | S74;P1.54 | S75;P1.54 | S76;P1.54 | S77;P1.54 | S78;P1.12 | S80;P1.64 |
| | | | S81;P1.43# | S82;P1.43# | | | | |
| S74;P1.55 | FD11 | 2FD11 | S74;P1.55 | S75;P1.55 | S76;P1.55 | S77;P1.55 | S78;P1.14 | S80;P1.63 |
| | | | S81;P1.44# | S82;P1.44# | | | | |
| S74;P1.56 | FD14 | 2FD14 | S74;P1.56 | S75;P1.56 | S76;P1.56 | S77;P1.56 | S78;P1.66# | S84;P1.62 |
| | | | S85;P1.62 | S86;P1.62 | S87;P1.62 | | | |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | | |
|---|---|---|---|---|---|---|---|---|
| S74;P1.57 | FD15 | 2FD15 | S74;P1.57 | S75;P1.57 | S76;P1.57 | S77;P1.57 | S78;P1.68# | S84;P1.73 |
| | | | S85;P1.73 | S86;P1.73 | S87;P1.73 | | | |
| S74;P1.58 | FD13 | 2FD13 | S74;P1.58 | S74;P1.9 | S75;P1.58 | S75;P1.9 | S76;P1.58 | S76;P1.9 |
| | | | S85;P1.58 | | | | | |
| S74;P1.59 | FD12 | 2FD12 | S74;P1.59 | S75;P1.59 | S76;P1.59 | S77;P1.59 | S78;P1.67# | S84;P1.74 |
| | | | S85;P1.74 | S86;P1.74 | S87;P1.74 | | | |
| S74;P1.60 | *INCADR | *2EFINCFGADR | S74;P1.60 | S75;P1.60 | S76;P1.60 | S77;P1.60 | S79;P1.63 | |
| S74;P1.62 | FD17 | 2FD17 | S74;P1.62 | S75;P1.62 | S76;P1.62 | S77;P1.62 | S78;P1.77# | S84;P1.9 |
| | | | S85;P1.9 | S74;P1.63 | S86;P1.9 | S87;P1.9 | | |
| S74;P1.63 | EA2 | 2FGOEADR2 | S70;P1.8 | | | | | |
| S74;P1.64 | WRTEC | 2EFWRTEC0 | S74;P1.64 | S79;P1.24 | S79;P1.24 | | | |
| S74;P1.65 | *ENABFD | 2EFDEVB | S70;P1.35 | S71;P1.35 | S71;P1.35 | S72;P1.35 | S74;P1.65 | S75;P1.65 |
| | | | S76;P1.65 | S77;P1.65 | S77;P1.65 | S79;P1.29 | | |
| S74;P1.66 | GROUND | *2FGOITSME | S74;P1.66 | S83;P1.75 | S83;P1.75 | | S78;P1.24 | |
| S74;P1.67 | *A13 | *2EGOA13 | S70;P1.65 | S74;P1.67 | S74;P1.67 | | | |
| S74;P1.68 | *STEND6 | *2FGSTEND6 | S74;P1.68 | S75;P1.68 | S75;P1.68 | S76;P1.68 | S78;P1.78# | |
| S74;P1.69 | FD16 | 2FD16 | S74;P1.69 | S75;P1.69 | S75;P1.69 | S76;P1.69 | | |
| S74;P1.70 | CNTOVFL | 2FGOCNTOVFL | S74;P1.70 | S79;P1.37 | S79;P1.37 | | | |
| S74;P1.72 | *DEVICE | *2EFDEVB | S74;P1.72 | S75;P1.72 | S76;P1.72 | S77;P1.72 | S78;P1.13 | S79;P1.30 |
| | | | S80;P1.79 | S84;P1.55 | S85;P1.55 | S86;P1.55 | S87;P1.55 | |
| S74;P1.73 | *RESET | *CMGRE1 | S16;P1.80 | S11;P1.73 | S12;P1.73 | S13;P1.73 | S14;P1.10 | S15;P1.64 |
| | | | S60;P1.5 | S17;P1.78 | S18;P1.78 | S19;P1.46 | S46;P1.15 | S50;P1.5 |
| | | | S79;P1.64 | S74;P1.73 | S75;P1.73 | S76;P1.73 | S77;P1.73 | S78;P1.10 |
| | | | | S80;P1.80 | S81;P1.78 | S82;P1.78 | S83;P1.46 | |
| S74;P1.74 | FGOKEY | 2EFFGOKEY0 | S74;P1.74 | S79;P1.58 | | | | |
| S74;P1.75 | FD18 | 2FD18 | S85;P1.8 | S75;P1.75 | S75;P1.75 | S76;P1.75 | S78;P1.75# | S84;P1.8 |
| | | | | S86;P1.8 | | S87;P1.8 | | |
| S74;P1.76 | SERIN | *2EGOSTART | S70;P1.23 | S74;P1.76 | S74;P1.76 | | | |
| S74;P1.77 | *CLRADR | *2EFCLRFGADR | S74;P1.77 | S75;P1.77 | S75;P1.77 | S76;P1.77 | S79;P1.35 | S84;P1.76 |
| S74;P1.78 | FD19 | 2FD19 | S74;P1.78 | S75;P1.78 | S75;P1.78 | S76;P1.78 | S78;P1.69# | |
| | | | S85;P1.76 | S86;P1.76 | S87;P1.76 | | | |
| S74;P1.79 | *CLOCK | *CMCLK4 | S10;P1.79 | S11;P1.79 | S14;P1.22 | S15;P1.34 | S16;P1.72 | S20;P1.72 |
| | | | S21;P1.72 | S22;P1.72 | S23;P1.72 | S46;P1.19 | S6;P1.79 | S70;P1.79 |
| | | | S71;P1.79 | S74;P1.79 | S75;P1.3 | S75;P1.79 | S78;P1.22 | S79;P1.34 |
| | | | S7;P1.79 | S80;P1.72 | S84;P1.72 | S85;P1.72 | S86;P1.72 | S87;P1.72 |
| S74;P1.80 | GROUND | 1TW*CMCLK4 | S10;P1.80 | S11;P1.80 | S14;P1.21 | S15;P1.31 | S16;P1.71 | S20;P1.71 |
| | | | S21;P1.71 | S22;P1.71 | S23;P1.71 | S26;P1.21 | S46;P1.21 | S47;P1.11 |
| | | | S5;P1.61 | S69;P1.61 | S6;P1.80 | S70;P1.80 | S71;P1.80 | S74;P1.80 |
| | | | S75;P1.1 | S75;P1.80 | S78;P1.21 | S79;P1.31 | S7;P1.80 | S80;P1.71 |
| | | | S84;P1.71 | S85;P1.71 | S86;P1.71 | S87;P1.71 | S12;P1.80 | |
| S75;P1.1 | GROUND | 1TW*CMCLK4 | S10;P1.80 | S11;P1.80 | S14;P1.21 | S15;P1.31 | S16;P1.71 | S20;P1.71 |
| | | | S21;P1.71 | S22;P1.71 | S23;P1.71 | S26;P1.21 | S46;P1.21 | S47;P1.11 |
| | | | S5;P1.61 | S69;P1.61 | S6;P1.80 | S70;P1.80 | S71;P1.80 | S74;P1.80 |
| | | | S75;P1.1 | S75;P1.80 | S78;P1.21 | S79;P1.31 | S7;P1.80 | S80;P1.71 |
| | | | S84;P1.71 | S85;P1.71 | S86;P1.71 | S87;P1.71 | S12;P1.80 | |
| S75;P1.2 | +5VDC | +5V75 | S75;P1.2 | S75;P1.4 | | | | |
| S75;P1.3 | | *CMCLK4 | S10;P1.79 | S11;P1.79 | S14;P1.22 | S15;P1.34 | S16;P1.72 | S20;P1.72 |
| | | | S21;P1.72 | S22;P1.72 | S23;P1.72 | S46;P1.19 | S6;P1.79 | S70;P1.79 |
| | | | S71;P1.79 | S74;P1.79 | S75;P1.3 | S75;P1.79 | S78;P1.22 | S79;P1.34 |
| | | | S7;P1.79 | S80;P1.72 | S84;P1.72 | S85;P1.72 | S86;P1.72 | S87;P1.72 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S75;P1.4 | | +5V75 | S75;P1.2 |
| S75;P1.5 | PLUS | 2EG1A31 | S75;P1.34 |
| S75;P1.6 | START | 2EG1START | S71;P1.19 |
| S75;P1.7 | ONES | 2EG1ONES | S71;P1.20 |
| S75;P1.8 | NFFEGTS | 2EGNFFEGTS | S75;P1.8  S76;P1.8  S77;P1.8  S78;P1.80 |
| S75;P1.9 | FRONTFACE | 2FD13 | S74;P1.9  S75;P1.9  S75;P1.58  S76;P1.9  S76;P1.58  S77;P1.9  S78;P1.58 |
| S75;P1.10 | EA1 | 2FG1EADR1 | S71;P1.7 |
| S75;P1.12 | EA0 | 2FG1EADR0 | S71;P1.10 |
| S75;P1.13 | SENSE | 2FG1SENSE | S71;P1.36  S79;P1.72 |
| S75;P1.14 | *SENSE | *2FG1SENSE | S71;P1.33 |
| S75;P1.15 | EA5 | 2FG1EADR5 | S71;P1.74 |
| S75;P1.16 | EA4 | 2FG1EADR4 | S71;P1.73 |
| S75;P1.17 | FD7 | 2FD7 | S74;P1.17  S76;P1.17  S77;P1.17  S78;P1.15  S80;P1.62  S82;P1.39# |
| S75;P1.18 | EA3 | 2FG1EADR3 | S71;P1.76 |
| S75;P1.19 | FD5 | 2FD5 | S74;P1.19  S76;P1.19  S77;P1.19  S78;P1.74#  S81;P1.34#  S82;P1.34#  S85;P1.22  S86;P1.22  S87;P1.22 |
| S75;P1.20 | FD6 | 2FD6 | S74;P1.20  S76;P1.20  S77;P1.20  S79;P1.65  S81;P1.40#  S82;P1.40# |
| S75;P1.22 | FD4 | 2FD4 | S74;P1.22  S76;P1.22  S77;P1.22  S78;P1.73#  S81;P1.30#  S82;P1.30#  S85;P1.10  S86;P1.10  S87;P1.10 |
| S75;P1.23 | FD2 | 2FD2 | S74;P1.23  S76;P1.23  S77;P1.23  S78;P1.18  S80;P1.67  S81;P1.33# |
| S75;P1.24 | FD3 | 2FD3 | S74;P1.24  S76;P1.24  S77;P1.24  S78;P1.76#  S81;P1.28#  S82;P1.28# |
| S75;P1.25 | FD1 | 2FD1 | S74;P1.25  S76;P1.25  S77;P1.25  S78;P1.72#  S81;P1.20#  S82;P1.20#  S85;P1.59  S86;P1.59  S87;P1.59 |
| S75;P1.26 | FD0 | 2FD0 | S74;P1.26  S76;P1.26  S77;P1.26  S78;P1.79#  S81;P1.32#  S82;P1.32# |
| S75;P1.27 | *A9 | *2EG1A9 | S71;P1.53  S75;P1.27 |
| S75;P1.28 | *A8 | *2EG1A8 | S71;P1.50  S75;P1.28 |
| S75;P1.29 | *A15 | *2EG1A15 | S71;P1.15  S71;P1.63 |
| S75;P1.30 | *A16 | *2EG1A16 | S71;P1.12  S75;P1.30 |
| S75;P1.32 | *A12 | *2EG1A12 | S71;P1.60  S75;P1.32 |
| S75;P1.33 | *A10 | *2EG1A10 | S71;P1.56  S75;P1.33 |
| S75;P1.34 | *A11 | *2EG1A11 | S71;P1.16  S75;P1.34 |
| S75;P1.35 | *A17 | *2EG1A17 | S71;P1.17  S75;P1.35 |
| S75;P1.36 | *A19 | *2EG1A19 | S71;P1.66  S75;P1.36 |
| S75;P1.37 | *A14 | *2EG1A14 | S71;P1.14  S75;P1.37 |
| S75;P1.38 | *A18 | *2EG1A18 | S71;P1.38  S75;P1.38 |
| S75;P1.39 | *STENDF1 | *2FGSTENDF1 | S74;P1.39  S75;P1.39  S76;P1.39  S77;P1.39  S78;P1.32 |
| S75;P1.40 | *STENDF2 | *2FGSTENDF2 | S74;P1.40  S75;P1.40  S76;P1.40  S77;P1.40  S78;P1.33 |
| S75;P1.42 | *STEND1 | *2FGSTEND1 | S74;P1.42  S75;P1.42  S76;P1.42  S77;P1.42  S78;P1.36 |
| S75;P1.43 | *STEND0 | *2FGSTEND0 | S74;P1.43  S75;P1.43  S76;P1.43  S77;P1.43  S78;P1.37 |
| S75;P1.44 | *STEND3 | *2FGSTEND3 | S74;P1.44  S75;P1.44  S76;P1.44  S77;P1.44  S78;P1.29 |
| S75;P1.45 | *STEND2 | *2FGSTEND2 | S74;P1.45  S75;P1.45  S76;P1.45  S77;P1.45  S78;P1.30 |
| S75;P1.46 | *STEND7 | *2FGSTEND7 | S74;P1.46  S75;P1.46  S76;P1.46  S77;P1.46  S78;P1.23 |
| S75;P1.47 | *STEND8 | *2FGSTEND8 | S74;P1.47  S75;P1.47  S76;P1.47  S77;P1.47  S78;P1.27 |
| S75;P1.48 | *STEND9 | *2FGSTEND9 | S74;P1.48  S75;P1.48  S76;P1.48  S77;P1.48  S78;P1.26 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S75;P1.49 | *STEND4 | *2FGSTEND4 | S74;P1.49  S75;P1.49  S76;P1.49  S77;P1.49  S78;P1.35 |
| S75;P1.50 | *STEND5 | *2FGSTEND5 | S74;P1.50  S75;P1.50  S76;P1.50  S77;P1.50  S78;P1.34 |
| S75;P1.52 | FD9 | 2FD9 | S74;P1.52  S75;P1.52  S76;P1.52  S77;P1.52  S78;P1.7  S80;P1.65  S81;P1.42#  S82;P1.42# |
| S75;P1.53 | FD8 | 2FD8 | S74;P1.53  S75;P1.53  S76;P1.53  S77;P1.53  S78;P1.17  S80;P1.66  S81;P1.38#  S82;P1.38# |
| S75;P1.54 | FD10 | 2FD10 | S74;P1.54  S75;P1.54  S76;P1.54  S77;P1.54  S78;P1.12  S80;P1.64  S81;P1.43#  S82;P1.43# |
| S75;P1.55 | FD11 | 2FD11 | S74;P1.55  S75;P1.55  S76;P1.55  S77;P1.55  S78;P1.14  S80;P1.63  S81;P1.44#  S82;P1.44# |
| S75;P1.56 | FD14 | 2FD14 | S74;P1.56  S75;P1.56  S76;P1.56  S77;P1.56  S78;P1.66#  S84;P1.62  S85;P1.62  S86;P1.62  S87;P1.62 |
| S75;P1.57 | FD15 | 2FD15 | S74;P1.57  S75;P1.57  S76;P1.57  S77;P1.57  S78;P1.68#  S84;P1.73  S85;P1.73  S86;P1.73  S87;P1.73 |
| S75;P1.58 | FD13 | 2FD13 | S74;P1.9  S75;P1.9  S76;P1.9  S75;P1.58  S76;P1.58  S77;P1.58 |
| S75;P1.59 | FD12 | 2FD12 | S74;P1.59  S75;P1.59  S76;P1.59  S77;P1.59  S78;P1.67#  S84;P1.74  S85;P1.74  S86;P1.74  S87;P1.74 |
| S75;P1.60 | *INCADR | *2EFINCFGADR | S74;P1.60  S75;P1.60  S76;P1.60  S77;P1.60  S79;P1.63  S84;P1.9 |
| S75;P1.62 | FD17 | 2FD17 | S74;P1.62  S75;P1.62  S76;P1.62  S77;P1.62  S78;P1.77#  S85;P1.9  S86;P1.9  S87;P1.9 |
| S75;P1.63 | EA2 | 2FG1EADR2 | S71;P1.8  S79;P1.25 |
| S75;P1.64 | WRTEC | 2EFWRTEC1 | S70;P1.35  S71;P1.35  S72;P1.35  S73;P1.35  S75;P1.64  S79;P1.29 |
| S75;P1.65 | *ENABFD | 2EFDEVB | S74;P1.65  S75;P1.65  S76;P1.65  S77;P1.65  S79;P1.67  S79;P1.30 |
| S75;P1.66 | GROUND | *2FG1ITSME | S80;P1.79  S84;P1.55  S85;P1.55  S86;P1.55  S87;P1.55  S15;P1.64 |
| S75;P1.67 | *A13 | *2EG1A13 | S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S50;P1.5 |
| S75;P1.68 | *STEND6 | *2FGSTEND6 | S71;P1.68  S74;P1.68  S75;P1.68  S76;P1.68  S77;P1.68  S78;P1.24 |
| S75;P1.69 | FD16 | 2FD16 | S74;P1.69  S75;P1.69  S76;P1.69  S77;P1.69  S78;P1.78#  S84;P1.76 |
| S75;P1.72 | *DEVICE | *2EFDEVB | S74;P1.72  S75;P1.72  S76;P1.72  S77;P1.72  S78;P1.13  S20;P1.72 |
| S75;P1.73 | *RESET | *CMGRE1 | S74;P1.73  S75;P1.73  S76;P1.73  S77;P1.73  S78;P1.10  S16;P1.80  S60;P1.5  S79;P1.64 |
| S75;P1.74 | FGOKEY | 2EFFGOKEY1 | S75;P1.74  S79;P1.59  S17;P1.78  S18;P1.78  S19;P1.46  S83;P1.46 |
| S75;P1.75 | FD18 | 2FD18 | S74;P1.75  S75;P1.75  S76;P1.75  S77;P1.75  S78;P1.75#  S84;P1.8 |
| S75;P1.76 | SERIN | *2EG1START | S71;P1.23  S75;P1.76  S85;P1.8  S86;P1.8  S87;P1.8  S79;P1.35 |
| S75;P1.77 | *CLRADR | *2EFCLRFGADR | S74;P1.77  S75;P1.77  S76;P1.77  S77;P1.77  S78;P1.69#  S84;P1.76 |
| S75;P1.78 | FD19 | 2FD19 | S74;P1.78  S75;P1.78  S76;P1.78  S77;P1.78  S78;P1.22  S85;P1.76  S86;P1.76  S87;P1.76 |
| S75;P1.79 | *CLOCK | *CMCLK4 | S7;P1.79  S10;P1.72  S11;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S74;P1.79  S75;P1.79  S71;P1.79  S6;P1.79  S16;P1.72  S20;P1.72  S70;P1.79  S87;P1.72  S14;P1.22  S15;P1.34  S46;P1.19  S75;P1.3  S84;P1.72  S85;P1.72  S79;P1.34 |
| S75;P1.80 | GROUND | 1TW*CMCLK4 | S5;P1.61  S69;P1.61  S75;P1.1  S75;P1.80  S10;P1.80  S11;P1.80  S21;P1.71  S22;P1.71  S14;P1.21  S15;P1.31  S23;P1.71  S26;P1.71  S46;P1.21  S16;P1.71  S6;P1.80  S7;P1.80  S70;P1.80  S71;P1.80  S78;P1.21  S79;P1.31  S80;P1.72  S80;P1.71  S74;P1.80  S47;P1.11  S20;P1.71 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S76;P1.1 | GROUND | 1TW*CMCLK5 | S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80  S46;P1.31<br>S12;P1.80  S13;P1.80  S1;P1.1  S2;P1.1  S3;P1.1  S68;P1.1<br>S4;P1.1  S5;P1.1  S65;P1.1  S66;P1.1  S67;P1.1  S77;P1.80<br>S69;P1.1  S72;P1.80  S73;P1.80  S76;P1.1  S76;P1.80<br>S8;P1.80  S9;P1.80 |
| S76;P1.2 | +5VDC | +5V76 | S12;P1.79  S13;P1.79  S46;P1.22  S72;P1.79  S73;P1.79  S76;P1.3<br>S76;P1.79  S77;P1.79  S8;P1.79  S9;P1.79 |
| S76;P1.3 | | *CMCLK5 | S76;P1.4  S76;P1.2 |
| S76;P1.4 | PLUS | +5V76 | S76;P1.4  S76;P1.2 |
| S76;P1.5 | START | 2EG2A31 | S76;P1.5  S72;P1.34 |
| S76;P1.6 | ONES | 2EG2START | S76;P1.6  S72;P1.19 |
| S76;P1.7 | NFFEGTS | 2EG2ONES | S76;P1.7  S72;P1.20 |
| S76;P1.8 | FRONTFACE | 2FGNFFEGTS | S74;P1.8  S75;P1.8  S76;P1.8  S77;P1.8  S78;P1.80 |
| S76;P1.9 | | 2FD13 | S74;P1.9  S75;P1.58  S75;P1.9  S76;P1.58  S77;P1.9  S76;P1.58<br>S77;P1.58 |
| S76;P1.10 | EA1 | 2FG2EADR1 | S72;P1.7  S76;P1.10 |
| S76;P1.12 | EA0 | 2FG2EADR0 | S72;P1.10  S76;P1.12 |
| S76;P1.13 | SENSE | 2FG2SENSE | S73;P1.45  S76;P1.45  S76;P1.13 |
| S76;P1.14 | *SENSE | *2FG2SENSE | S72;P1.33  S76;P1.14 |
| S76;P1.15 | EA5 | 2FG2EADR5 | S72;P1.74  S76;P1.15 |
| S76;P1.16 | EA4 | 2FG2EADR4 | S72;P1.73  S76;P1.16  S77;P1.17  S78;P1.15 |
| S76;P1.17 | FD7 | 2FD7 | S74;P1.17  S75;P1.17  S76;P1.17  S77;P1.17  S80;P1.62 |
| S76;P1.18 | EA3 | 2FG2EADR3 | S81;P1.39#  S82;P1.39#  S72;P1.76 |
| S76;P1.19 | FD5 | 2FD5 | S72;P1.76  S74;P1.19  S75;P1.119  S76;P1.19  S77;P1.19  S81;P1.34#<br>S82;P1.34#  S84;P1.22  S85;P1.22  S86;P1.22  S87;P1.22  S81;P1.40# |
| S76;P1.20 | FD6 | 2FD6 | S74;P1.20  S82;P1.40#  S75;P1.20  S76;P1.20  S77;P1.20  S79;P1.65 |
| S76;P1.22 | FD4 | 2FD4 | S74;P1.22  S75;P1.22  S76;P1.22  S77;P1.22  S78;P1.73#  S81;P1.30#<br>S82;P1.30#  S84;P1.10  S85;P1.10  S86;P1.10  S87;P1.10  S78;P1.18 |
| S76;P1.23 | FD2 | 2FD2 | S74;P1.23  S75;P1.23  S76;P1.23  S77;P1.23  S80;P1.67 |
| S76;P1.24 | FD3 | 2FD3 | S81;P1.33#  S82;P1.33#  S74;P1.24  S75;P1.24  S76;P1.24  S77;P1.24  S78;P1.76#<br>S82;P1.28#  S84;P1.59  S85;P1.59  S86;P1.59  S87;P1.59  S81;P1.28# |
| S76;P1.25 | FD1 | 2FD1 | S74;P1.25  S75;P1.25  S76;P1.25  S77;P1.25  S78;P1.72#  S81;P1.20# |
| S76;P1.26 | FD0 | 2FD0 | S82;P1.20#  S82;P1.32#  S74;P1.26  S75;P1.26  S76;P1.26  S77;P1.26  S78;P1.79#<br>S81;P1.32# |
| S76;P1.27 | *A9 | *2EG2A9 | S72;P1.53  S76;P1.27 |
| S76;P1.28 | *A8 | *2EG2A8 | S72;P1.50  S76;P1.28 |
| S76;P1.29 | *A15 | *2EG2A15 | S72;P1.15  S72;P1.63  S76;P1.29 |
| S76;P1.30 | *A16 | *2EG2A16 | S72;P1.12  S76;P1.30 |
| S76;P1.32 | *A12 | *2EG2A12 | S72;P1.60  S76;P1.32 |
| S76;P1.33 | *A10 | *2EG2A10 | S72;P1.56  S76;P1.33 |
| S76;P1.34 | *A11 | *2EG2A11 | S72;P1.54  S76;P1.34 |
| S76;P1.35 | *A17 | *2EG2A17 | S72;P1.16  S76;P1.35 |
| S76;P1.36 | *A19 | *2EG2A19 | S72;P1.17  S76;P1.36 |
| S76;P1.37 | *A14 | *2EG2A14 | S72;P1.66  S76;P1.37 |
| S76;P1.38 | *A18 | *2EG2A18 | S72;P1.37  S76;P1.38 |
| S76;P1.39 | *STENDE1 | *2FGSTENDE1 | S72;P1.14  S74;P1.39  S75;P1.39  S76;P1.39  S77;P1.39  S78;P1.32 |

STRING PINS BY SLOT;CON.PIN NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S76;P1.40 | *STENDF2 | *2FGSTENDF2 | S74;P1.40  S75;P1.40  S76;P1.40  S77;P1.40  S78;P1.33 |
| S76;P1.42 | *STEND1 | *2FGSTEND1 | S74;P1.42  S75;P1.42  S76;P1.42  S77;P1.42  S78;P1.36 |
| S76;P1.43 | *STEND0 | *2FGSTEND0 | S74;P1.43  S75;P1.43  S76;P1.43  S77;P1.43  S78;P1.37 |
| S76;P1.44 | *STEND3 | *2FGSTEND3 | S74;P1.44  S75;P1.44  S76;P1.44  S77;P1.44  S78;P1.29 |
| S76;P1.45 | *STEND2 | *2FGSTEND2 | S74;P1.45  S75;P1.45  S76;P1.45  S77;P1.45  S78;P1.30 |
| S76;P1.46 | *STEND7 | *2FGSTEND7 | S74;P1.46  S75;P1.46  S76;P1.46  S77;P1.46  S78;P1.23 |
| S76;P1.47 | *STEND8 | *2FGSTEND8 | S74;P1.47  S75;P1.47  S76;P1.47  S77;P1.47  S78;P1.27 |
| S76;P1.48 | *STEND9 | *2FGSTEND9 | S74;P1.48  S75;P1.48  S76;P1.48  S77;P1.48  S78;P1.26 |
| S76;P1.49 | *STEND4 | *2FGSTEND4 | S74;P1.49  S75;P1.49  S76;P1.49  S77;P1.49  S78;P1.35 |
| S76;P1.50 | *STEND5 | *2FGSTEND5 | S74;P1.50  S75;P1.50  S76;P1.50  S77;P1.50  S78;P1.34 |
| S76;P1.52 | FD9 | 2FD9 | S74;P1.52  S81;P1.42#  S75;P1.52  S76;P1.52  S77;P1.52  S78;P1.7  S82;P1.42#  S80;P1.65 |
| S76;P1.53 | FD8 | 2FD8 | S74;P1.53  S81;P1.38#  S75;P1.53  S82;P1.38#  S76;P1.53  S77;P1.53  S78;P1.17  S80;P1.66 |
| S76;P1.54 | FD10 | 2FD10 | S74;P1.54  S81;P1.43#  S75;P1.54  S82;P1.43#  S76;P1.54  S77;P1.54  S78;P1.12  S80;P1.64 |
| S76;P1.55 | FD11 | 2FD11 | S74;P1.55  S81;P1.44#  S75;P1.55  S82;P1.44#  S76;P1.55  S77;P1.55  S78;P1.14  S80;P1.63 |
| S76;P1.56 | FD14 | 2FD14 | S74;P1.56  S85;P1.62  S75;P1.56  S86;P1.62  S76;P1.56  S77;P1.56  S87;P1.62  S78;P1.66#  S84;P1.62 |
| S76;P1.57 | FD15 | 2FD15 | S74;P1.57  S85;P1.73  S75;P1.57  S86;P1.73  S76;P1.57  S77;P1.57  S87;P1.73  S78;P1.68#  S84;P1.73 |
| S76;P1.58 | FD13 | 2FD13 | S74;P1.58  S77;P1.58  S75;P1.73  S74;P1.9  S76;P1.73  S77;P1.9  S78;P1.58  S76;P1.9 |
| S76;P1.59 | FD12 | 2FD12 | S74;P1.59  S85;P1.74  S75;P1.59  S86;P1.74  S76;P1.59  S77;P1.59  S87;P1.74  S78;P1.67#  S84;P1.74 |
| S76;P1.60 | *INCADR | *2EFINCFGADR | S74;P1.60  S75;P1.60  S76;P1.60  S77;P1.60  S79;P1.63  S84;P1.9 |
| S76;P1.62 | FD17 | 2FD17 | S74;P1.62  S75;P1.62  S76;P1.62  S77;P1.62  S78;P1.77# |
| S76;P1.63 | EA2 | 2FG2EADR2 | S72;P1.63  S76;P1.63  S87;P1.9  S85;P1.9  S86;P1.9 |
| S76;P1.64 | WRTEC | 2EFWRTEC2 | S76;P1.64  S79;P1.26 |
| S76;P1.65 | *ENABFD | 2EFDEVB | S70;P1.35  S77;P1.35  S73;P1.35  S71;P1.35  S72;P1.35  S74;P1.65  S75;P1.65 |
| S76;P1.66 | GROUND | ZZZBBA | S76;P1.66  S79;P1.78 |
| S76;P1.67 | *A13 | *2EG2A13 | S72;P1.65  S76;P1.67  S79;P1.65  S76;P1.65 |
| S76;P1.68 | *STEND6 | *2FGSTEND6 | S74;P1.68  S75;P1.68  S76;P1.68  S77;P1.68  S78;P1.78#  S79;P1.30 |
| S76;P1.69 | FD16 | 2FD16 | S74;P1.69  S75;P1.69  S76;P1.69  S77;P1.69  S78;P1.13 |
| S76;P1.72 | *DEVICE | *2EFDEVB | S74;P1.72  S75;P1.72  S76;P1.72  S77;P1.72  S85;P1.55  S86;P1.55  S87;P1.55 |
| S76;P1.73 | *RESET | *CMGRE1 | S80;P1.79  S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64 ; S16;P1.80  S17;P1.78  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5 ; S60;P1.5  S74;P1.73  S76;P1.73  S77;P1.73  S78;P1.10 ; S81;P1.73  S82;P1.78  S83;P1.46  S84;P1.55 |
| S76;P1.74 | FGOKEY | 2EFFGOKEY2 | S79;P1.64  S76;P1.74  S80;P1.80  S79;P1.60  S79;P1.75 |
| S76;P1.75 | FD18 | 2FD18 | S74;P1.75  S75;P1.75  S76;P1.75  S77;P1.75  S78;P1.75#  S84;P1.8 |
| S76;P1.76 | SERIN | *2EG2START | S85;P1.8  S86;P1.8  S87;P1.8  S75;P1.8  S76;P1.8  S74;P1.76 |
| S76;P1.77 | *CLRADR | *2EFCLRFGADR | S72;P1.23  S74;P1.77  S75;P1.77  S76;P1.77  S77;P1.77  S79;P1.35 |
| S76;P1.78 | FD19 | 2FD19 | S85;P1.76  S74;P1.78  S75;P1.78  S76;P1.76  S77;P1.78  S78;P1.69#  S84;P1.76  S86;P1.76  S87;P1.76 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S76;P1.79 | *CLOCK | *CMCLK5 | S12;P1.79  S13;P1.79  S46;P1.22  S72;P1.79  S73;P1.79  S76;P1.3  S76;P1.79  S77;P1.79  S8;P1.79  S9;P1.79 |
| S76;P1.80 | GROUND | 1TW*CMCLK5 | S12;P1.80  S13;P1.80  S1;P1.1  S2;P1.1  S3;P1.1  S46;P1.31  S4;P1.1  S5;P1.1  S65;P1.1  S66;P1.1  S67;P1.1  S68;P1.1  S69;P1.1  S72;P1.80  S73;P1.80  S76;P1.1  S76;P1.80  S77;P1.80  S8;P1.80  S9;P1.80 |
| S77;P1.2 | +5VDC | +5V77 | S77;P1.2  S77;P1.4 |
| S77;P1.4 | | +5V77 | S77;P1.2  S77;P1.4 |
| S77;P1.5 | PLUS | 2EG3A31 | S73;P1.34 |
| S77;P1.6 | START | 2EG3START | S73;P1.19 |
| S77;P1.7 | ONES | 2EG3ONES | S73;P1.20 |
| S77;P1.8 | NFFEGTS | 2FGNFFEGTS | S74;P1.58  S75;P1.8  S76;P1.8  S77;P1.8  S78;P1.80 |
| S77;P1.9 | FRONTFACE | 2FD13 | S74;P1.58  S74;P1.9  S75;P1.58  S75;P1.9  S76;P1.58  S76;P1.9  S77;P1.58  S77;P1.9 |
| S77;P1.10 | EA1 | 2FG3EADR1 | S73;P1.7  S77;P1.10 |
| S77;P1.12 | EAO | 2FG3EADR0 | S73;P1.10  S77;P1.12 |
| S77;P1.13 | SENSE | 2FG3SENSE | S73;P1.36  S77;P1.13  S79;P1.75 |
| S77;P1.14 | *SENSE | *2FG3SENSE | S73;P1.33  S77;P1.14 |
| S77;P1.15 | EA5 | 2FG3EADR5 | S73;P1.74  S77;P1.15 |
| S77;P1.16 | EA4 | 2FG3EADR4 | S73;P1.73  S77;P1.16 |
| S77;P1.17 | FD7 | 2FD7 | S74;P1.17  S75;P1.17  S76;P1.17  S77;P1.17  S78;P1.15  S80;P1.62  S81;P1.39# |
| S77;P1.18 | EA3 | 2FG3EADR3 | S73;P1.76  S77;P1.18 |
| S77;P1.19 | FD5 | 2FD5 | S74;P1.19  S75;P1.19  S76;P1.19  S77;P1.19  S78;P1.74#  S81;P1.34#  S82;P1.34#  S84;P1.22  S85;P1.22  S86;P1.22  S87;P1.22 |
| S77;P1.20 | FD6 | 2FD6 | S74;P1.20  S75;P1.20  S76;P1.20  S77;P1.20  S79;P1.65  S81;P1.40# |
| S77;P1.22 | FD4 | 2FD4 | S74;P1.22  S75;P1.22  S76;P1.22  S77;P1.22  S78;P1.73#  S81;P1.30#  S82;P1.30#  S84;P1.10  S85;P1.10  S86;P1.10  S87;P1.10 |
| S77;P1.23 | FD2 | 2FD2 | S74;P1.23  S75;P1.23  S76;P1.23  S77;P1.23  S78;P1.18  S80;P1.67  S81;P1.33# |
| S77;P1.24 | FD3 | 2FD3 | S74;P1.24  S75;P1.24  S76;P1.24  S77;P1.24  S78;P1.76#  S81;P1.28#  S82;P1.28#  S84;P1.59  S85;P1.59  S86;P1.59  S87;P1.59 |
| S77;P1.25 | FD1 | 2FD1 | S74;P1.25  S75;P1.25  S76;P1.25  S77;P1.25  S78;P1.72#  S81;P1.20#  S82;P1.20# |
| S77;P1.26 | FD0 | 2FD0 | S74;P1.26  S75;P1.26  S76;P1.26  S77;P1.26  S78;P1.79#  S81;P1.32#  S82;P1.32# |
| S77;P1.27 | *A9 | *2EG3A9 | S73;P1.53  S77;P1.27 |
| S77;P1.28 | *A8 | *2EG3A8 | S73;P1.50  S77;P1.28 |
| S77;P1.29 | *A15 | *2EG3A15 | S73;P1.15  S73;P1.63  S77;P1.29 |
| S77;P1.30 | *A16 | *2EG3A16 | S73;P1.12  S77;P1.30 |
| S77;P1.32 | *A12 | *2EG3A12 | S73;P1.60  S77;P1.32 |
| S77;P1.33 | *A10 | *2EG3A10 | S73;P1.56  S77;P1.33 |
| S77;P1.34 | *A11 | *2EG3A11 | S73;P1.54  S77;P1.34 |
| S77;P1.35 | *A17 | *2EG3A17 | S73;P1.16  S77;P1.35 |
| S77;P1.36 | *A19 | *2EG3A19 | S73;P1.17  S77;P1.36 |
| S77;P1.37 | *A14 | *2EG3A14 | S73;P1.66  S77;P1.37 |
| S77;P1.38 | *A18 | *2EG3A18 | S73;P1.14  S77;P1.38 |
| S77;P1.39 | *STENDF1 | *2FGSTENDF1 | S74;P1.39  S75;P1.39  S76;P1.39  S77;P1.39  S78;P1.32 |
| S77;P1.40 | *STENDF2 | *2FGSTENDF2 | S74;P1.40  S75;P1.40  S76;P1.40  S77;P1.40  S78;P1.33 |

200116100A0
SP1T DP

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S77;P1.42 | *STEND1 | *2FGSTEND1 | S74;P1.42  S75;P1.42  S76;P1.42  S77;P1.42  S78;P1.36 |
| S77;P1.43 | *STEND0 | *2FGSTEND0 | S74;P1.43  S75;P1.43  S76;P1.43  S77;P1.43  S78;P1.37 |
| S77;P1.44 | *STEND3 | *2FGSTEND3 | S74;P1.44  S75;P1.44  S76;P1.44  S77;P1.44  S78;P1.29 |
| S77;P1.45 | *STEND2 | *2FGSTEND2 | S74;P1.45  S75;P1.45  S76;P1.45  S77;P1.45  S78;P1.30 |
| S77;P1.46 | *STEND7 | *2FGSTEND7 | S74;P1.46  S75;P1.46  S76;P1.46  S77;P1.46  S78;P1.23 |
| S77;P1.47 | *STEND8 | *2FGSTEND8 | S74;P1.47  S75;P1.47  S76;P1.47  S77;P1.47  S78;P1.27 |
| S77;P1.48 | *STEND9 | *2FGSTEND9 | S74;P1.48  S75;P1.48  S76;P1.48  S77;P1.48  S78;P1.26 |
| S77;P1.49 | *STEND4 | *2FGSTEND4 | S74;P1.49  S75;P1.49  S76;P1.49  S77;P1.49  S78;P1.35 |
| S77;P1.50 | *STEND5 | *2FGSTEND5 | S74;P1.50  S75;P1.50  S76;P1.50  S77;P1.50  S78;P1.34 |
| S77;P1.52 | FD9 | 2FD9 | S74;P1.52  S75;P1.52  S76;P1.52  S77;P1.52  S78;P1.7  S80;P1.65 |
| S77;P1.53 | FD8 | 2FD8 | S81;P1.42#  S82;P1.42#  S74;P1.53  S75;P1.53  S76;P1.53  S77;P1.53  S78;P1.17  S80;P1.66 |
| S77;P1.54 | FD10 | 2FD10 | S81;P1.38#  S82;P1.38#  S74;P1.54  S75;P1.54  S76;P1.54  S77;P1.54  S78;P1.12  S80;P1.64 |
| S77;P1.55 | FD11 | 2FD11 | S81;P1.43#  S82;P1.43#  S74;P1.55  S75;P1.55  S76;P1.55  S77;P1.55  S78;P1.14  S80;P1.63 |
| S77;P1.56 | FD14 | 2FD14 | S81;P1.44#  S82;P1.44#  S74;P1.56  S75;P1.56  S76;P1.56  S77;P1.56  S78;P1.66#  S84;P1.62  S85;P1.62  S87;P1.62 |
| S77;P1.57 | FD15 | 2FD15 | S74;P1.57  S75;P1.57  S76;P1.57  S77;P1.57  S78;P1.68#  S84;P1.73  S85;P1.73  S86;P1.73  S87;P1.73 |
| S77;P1.58 | FD13 | 2FD13 | S74;P1.58  S75;P1.58  S76;P1.58  S77;P1.58  S78;P1.58  S76;P1.9  S74;P1.9  S75;P1.9  S77;P1.9 |
| S77;P1.59 | FD12 | 2FD12 | S74;P1.59  S75;P1.59  S76;P1.59  S77;P1.59  S78;P1.67#  S84;P1.74  S85;P1.74  S86;P1.74  S87;P1.74 |
| S77;P1.60 | *INCADR | *2EFINCFGADR | S74;P1.60  S75;P1.60  S76;P1.60  S77;P1.60  S78;P1.63  S84;P1.9  S85;P1.9  S86;P1.9  S87;P1.9 |
| S77;P1.62 | FD17 | 2FD17 | S74;P1.62  S75;P1.62  S76;P1.62  S77;P1.62  S78;P1.77# |
| S77;P1.63 | EA2 | 2FG3EADR2 | S73;P1.63  S77;P1.63 |
| S77;P1.64 | WRTEC | 2EFWRTEC3 | S77;P1.64  S79;P1.27  S77;P1.27 |
| S77;P1.65 | *ENABFD | 2EFDEVB | S76;P1.65  S77;P1.65  S79;P1.65  S77;P1.35  S79;P1.29  S73;P1.35  S75;P1.65 |
| S77;P1.66 | GROUND | ZZZBBB | S77;P1.66  S79;P1.79  S77;P1.79 |
| S77;P1.67 | *A13 | *2EG3A13 | S73;P1.65  S77;P1.67  S73;P1.65 |
| S77;P1.68 | *STEND6 | *2FGSTEND6 | S74;P1.68  S75;P1.68  S76;P1.68  S77;P1.68  S78;P1.24 |
| S77;P1.69 | FD16 | 2FD16 | S74;P1.69  S75;P1.69  S76;P1.69  S77;P1.69  S78;P1.78# |
| S77;P1.72 | *DEVICE | *2EFDEVB | S74;P1.72  S75;P1.72  S76;P1.72  S77;P1.72  S78;P1.13  S84;P1.55  S85;P1.55  S86;P1.55  S87;P1.55  S79;P1.30 |
| S77;P1.73 | *RESET | *CMGRE1 | S80;P1.79  S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64  S16;P1.80  S17;P1.78  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5  S78;P1.10 |
| S77;P1.74 | FGOKEY | 2EFFGOKEY3 | S79;P1.64  S77;P1.74  S74;P1.74  S75;P1.73  S76;P1.73  S80;P1.80  S81;P1.78  S82;P1.78  S83;P1.46  S84;P1.8 |
| S77;P1.75 | FD18 | 2FD18 | S74;P1.75  S75;P1.75  S76;P1.75  S77;P1.75  S78;P1.75# |
| S77;P1.76 | SERIN | *2EG3START | S85;P1.8  S86;P1.8  S87;P1.8  S73;P1.23  S79;P1.62  S77;P1.35 |
| S77;P1.77 | *CLRADR | *2EFCLRFGADR | S73;P1.23  S74;P1.77  S75;P1.77  S76;P1.77  S77;P1.77  S79;P1.35  S84;P1.76 |
| S77;P1.78 | FD19 | 2FD19 | S74;P1.78  S75;P1.78  S76;P1.78  S77;P1.78  S78;P1.69#  S84;P1.76 |
| S77;P1.79 | *CLOCK | *CMCLK5 | S12;P1.79  S13;P1.79  S46;P1.22  S72;P1.79  S73;P1.79  S76;P1.3 |

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200116100A0
SP1T DP
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| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S77;P1.80 | GROUND | 1TW*CMCLK5 | S76;P1.79 S77;P1.79 S8;P1.79 S9;P1.79 S3;P1.1 S46;P1.31 · S12;P1.80 S13;P1.80 S1;P1.1 S2;P1.1 S67;P1.1 S68;P1.1 · S4;P1.1 S5;P1.1 S65;P1.1 S66;P1.1 S76;P1.1 S77;P1.80 · S69;P1.1 S72;P1.80 S73;P1.80 S76;P1.1 · S8;P1.80 S9;P1.80 |
| S78;P1.2 | +5VDC | +5V78 | S78;P1.2 S78;P1.4 |
| S78;P1.3 | WRTDP | 2EFCNTWRT | S78;P1.3 S78;P1.8 S79;P1.56 S80;P1.48 |
| S78;P1.4 | | +5V78 | S78;P1.2 S78;P1.4 |
| S78;P1.5 | *LDBKTADR | *2SLLDBKTADR | S78;P1.5 S80;P1.49 |
| S78;P1.6 | WRTBKT | 2SLWRTBKT | S78;P1.6 S80;P1.50 |
| S78;P1.7 | PRI2 | 2FD9 | S74;P1.52 S75;P1.52 S76;P1.52 S77;P1.52 S78;P1.7 S80;P1.65 · S81;P1.42# S82;P1.42# |
| S78;P1.8 | CNTDPADR | 2EFCNTWRT | S78;P1.3 S78;P1.8 S79;P1.56 S80;P1.48 |
| S78;P1.9 | *LDPSOUT | *2SLLDPSOUT | S78;P1.9 S80;P1.55 |
| S78;P1.10 | *RESET | *CMGRE1 | S10;P1.73 S11;P1.73 S12;P1.73 S13;P1.73 S14;P1.10 S15;P1.64 · S16;P1.80 S17;P1.78 S18;P1.78 S19;P1.46 S46;P1.15 S50;P1.5 · S60;P1.5 S74;P1.73 S75;P1.73 S76;P1.73 S77;P1.73 S78;P1.10 |
| S78;P1.12 | PRI3 | 2FD10 | S74;P1.54 S75;P1.54 S76;P1.54 S77;P1.54 S78;P1.12 S80;P1.64 · S81;P1.43# S82;P1.43# |
| S78;P1.13 | *DEVICE | *2EFDEVB | S74;P1.72 S75;P1.72 S76;P1.72 S77;P1.72 S78;P1.13 S79;P1.30 |
| S78;P1.14 | PRI4 | 2FD11 | S74;P1.55 S75;P1.55 S76;P1.55 S77;P1.55 S78;P1.14 S80;P1.63 · S81;P1.44# S82;P1.44# |
| S78;P1.15 | PRI5 | 2FD7 | S74;P1.17 S75;P1.17 S76;P1.17 S77;P1.17 S78;P1.15 S80;P1.62 · S81;P1.39# S82;P1.39# |
| S78;P1.16 | CNTBKTADR | 2SLINCBKTADR | S78;P1.16 S80;P1.52 |
| S78;P1.17 | PRI1 | 2FD8 | S74;P1.53 S75;P1.53 S76;P1.53 S77;P1.53 S78;P1.17 S80;P1.66 · S81;P1.38# S82;P1.38# |
| S78;P1.18 | PRI0 | 2FD2 | S74;P1.23 S75;P1.23 S76;P1.23 S77;P1.23 S78;P1.18 S80;P1.67 · S81;P1.33# S82;P1.33# |
| S78;P1.19 | BKTADROFL | 2PSBKTADROFL | S78;P1.19 S80;P1.19 S80;P1.54 |
| S78;P1.20 | INSORTMODE | 2SLINSORTMODE | S78;P1.20 S80;P1.20 S80;P1.33 |
| S78;P1.21 | GROUND | 1TW*CMCLK4 | S10;P1.80 S11;P1.80 S14;P1.21 S15;P1.31 S16;P1.71 S20;P1.71 · S21;P1.71 S22;P1.71 S23;P1.71 S26;P1.71 S46;P1.21 S47;P1.11 · S5;P1.61 S69;P1.80 S6;P1.80 S70;P1.80 S71;P1.80 S74;P1.80 · S75;P1.1 S75;P1.80 S78;P1.21 S79;P1.31 S7;P1.80 S80;P1.71 · S84;P1.71 S85;P1.71 S86;P1.71 S87;P1.71 S12;P1.80 |
| S78;P1.22 | *CLOCK | *CMCLK4 | S10;P1.79 S11;P1.79 S14;P1.22 S15;P1.34 S16;P1.72 S20;P1.72 · S21;P1.72 S22;P1.72 S23;P1.72 S46;P1.19 S6;P1.79 S70;P1.79 · S71;P1.79 S74;P1.79 S75;P1.3 S75;P1.79 S78;P1.22 S79;P1.34 · S7;P1.79 S80;P1.72 S84;P1.72 S85;P1.72 S86;P1.72 S87;P1.72 |
| S78;P1.23 | *STEND7 | *2FGSTEND7 | S74;P1.46 S75;P1.46 S76;P1.46 S77;P1.46 S78;P1.23 |
| S78;P1.24 | *STEND6 | *2FGSTEND6 | S74;P1.68 S75;P1.68 S76;P1.68 S77;P1.68 S78;P1.24 |
| S78;P1.25 | SERIN | 2LAOSEROUT | S78;P1.25 S87;P1.23 S87;P1.25 |
| S78;P1.26 | *STEND9 | *2FGSTEND9 | S74;P1.48 S75;P1.48 S76;P1.48 S77;P1.48 S78;P1.26 |
| S78;P1.27 | *STEND8 | *2FGSTEND8 | S74;P1.47 S75;P1.47 S76;P1.47 S77;P1.47 S78;P1.27 |
| S78;P1.28 | MAINTSEL | 2SLMAINTSEL | S78;P1.28 S80;P1.28 S80;P1.59 |
| S78;P1.29 | *STEND3 | *2FGSTEND3 | S74;P1.44 S75;P1.44 S76;P1.44 S77;P1.44 S78;P1.29 |
| S78;P1.30 | *STEND2 | *2FGSTEND2 | S74;P1.45 S75;P1.45 S76;P1.45 S77;P1.45 S78;P1.30 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S78;P1.32 | *STENDF1 | *2FGSTENDF1 | S74;P1.39  S75;P1.39  S76;P1.39  S77;P1.39  S78;P1.32 |
| S78;P1.33 | *STENDF2 | *2FGSTENDF2 | S74;P1.40  S75;P1.40  S76;P1.40  S77;P1.40  S78;P1.33 |
| S78;P1.34 | *STEND5 | *2FGSTEND5 | S74;P1.50  S75;P1.50  S76;P1.50  S77;P1.50  S78;P1.34 |
| S78;P1.35 | *STEND4 | *2FGSTEND4 | S74;P1.49  S75;P1.49  S76;P1.49  S77;P1.49  S78;P1.35 |
| S78;P1.36 | *STEND1 | *2FGSTEND1 | S74;P1.42  S75;P1.42  S76;P1.42  S77;P1.42  S78;P1.36 |
| S78;P1.37 | *STEND0 | *2FGSTEND0 | S74;P1.43  S75;P1.43  S76;P1.43  S77;P1.43  S78;P1.37 |
| S78;P1.38 | START3 | 2PSSTART3 | S78;P1.38#  S84;P1.42  S85;P1.42  S86;P1.42  S87;P1.42 |
| S78;P1.39 | END2 | 2PSEND2 | S78;P1.39#  S84;P1.13  S85;P1.13  S86;P1.13  S87;P1.13 |
| S78;P1.40 | END3 | 2PSEND3 | S78;P1.40#  S84;P1.16  S85;P1.16  S86;P1.16  S87;P1.16 |
| S78;P1.42 | START2 | 2PSSTART2 | S78;P1.42#  S84;P1.38  S85;P1.38  S86;P1.38  S87;P1.38 |
| S78;P1.43 | *LAST | *2PSLAST | S78;P1.43#  S80;P1.56 |
| S78;P1.44 | START4 | 2PSSTART4 | S78;P1.44#  S84;P1.43  S85;P1.43  S86;P1.43  S87;P1.43 |
| S78;P1.45 | SPANADR4 | 2PSSPANADR4 | S78;P1.45#  S80;P1.23 |
| S78;P1.46 | END4 | 2PSEND4 | S78;P1.46#  S84;P1.17  S85;P1.17  S86;P1.17  S87;P1.17 |
| S78;P1.47 | ENDF2 | 2PSENDF2 | S78;P1.47#  S70;P1.45 |
| S78;P1.48 | PTRSEL | 2SLPTRSEL | S78;P1.48  S80;P1.57 |
| S78;P1.49 | *USED | *2PSUSED | S78;P1.49#  S80;P1.47 |
| S78;P1.53 | END0 | 2PSEND0 | S78;P1.53#  S84;P1.15  S85;P1.15  S86;P1.15  S87;P1.15 |
| S78;P1.55 | SPANADR3 | 2PSSPANADR3 | S78;P1.55#  S80;P1.20 |
| S78;P1.56 | END1 | 2PSEND1 | S78;P1.56#  S84;P1.14  S85;P1.14  S86;P1.14  S87;P1.14 |
| S78;P1.57 | SPANADR2 | 2PSSPANADR2 | S78;P1.57#  S80;P1.18 |
| S78;P1.58 | SPANADR1 | 2PSSPANADR1 | S78;P1.58#  S80;P1.16 |
| S78;P1.59 | SPANADR0 | 2PSSPANADR0 | S78;P1.59#  S80;P1.14 |
| S78;P1.60 | STEQEND | 2PSSTEQEND | S78;P1.60#  S80;P1.58 |
| S78;P1.62 | *CLRDPADR | *2SLSTARTFI | S78;P1.62  S79;P1.54 |
| S78;P1.63 | START1 | 2PSSTART1 | S78;P1.63#  S84;P1.39  S85;P1.39  S86;P1.39  S87;P1.39 |
| S78;P1.64 | START0 | 2PSSTART0 | S78;P1.64#  S84;P1.40  S85;P1.40  S86;P1.40  S87;P1.40 |
| S78;P1.65 | CNTMSB | 2SLINCMSB | S78;P1.65  S80;P1.44  S84;P1.30  S85;P1.30  S86;P1.30  S87;P1.30 |
| S78;P1.66 | PAR11 | 2FD14 | S74;P1.56  S75;P1.56  S76;P1.56  S77;P1.56  S78;P1.66#  S84;P1.62 |
| S78;P1.67 | PAR10 | 2FD12 | S74;P1.59  S75;P1.59  S76;P1.59  S77;P1.59  S78;P1.67#  S84;P1.74 |
| S78;P1.68 | PAR9 | 2FD15 | S74;P1.57  S75;P1.57  S76;P1.57  S77;P1.57  S78;P1.68#  S84;P1.73 |
| S78;P1.69 | PAR8 | 2FD19 | S74;P1.78  S75;P1.78  S76;P1.78  S77;P1.78  S78;P1.69#  S84;P1.76 |
| S78;P1.70 | *OUTEN | *2SLENPSDATA | S78;P1.70  S80;P1.53 |
| S78;P1.71 | GROUND | GND79B | S79;P1.67 |
| S78;P1.72 | PAR3 | 2FD1 | S74;P1.25  S75;P1.25  S76;P1.25  S77;P1.25  S78;P1.72#  S82;P1.20#  S81;P1.20# |
| S78;P1.73 | PAR1 | 2FD4 | S74;P1.22  S75;P1.22  S76;P1.22  S77;P1.22  S78;P1.73#  S82;P1.30#  S81;P1.30# |
| S78;P1.74 | PAR2 | 2FD5 | S74;P1.19  S75;P1.19  S76;P1.19  S77;P1.19  S78;P1.74#  S82;P1.34#  S81;P1.34# |
| S78;P1.75 | PAR7 | 2FD18 | S74;P1.75  S75;P1.75  S76;P1.75  S77;P1.75  S78;P1.75#  S84;P1.8 |
| S78;P1.76 | PAR0 | 2FD3 | S74;P1.24  S75;P1.24  S76;P1.24  S77;P1.24  S78;P1.76#  S82;P1.28#  S81;P1.28# |
| S78;P1.77 | PAR6 | 2FD17 | S74;P1.62  S75;P1.62  S76;P1.62  S77;P1.62  S78;P1.77#  S84;P1.9 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S78;P1.78 | PAR5 | 2FD16 | S74;P1.69  S75;P1.69  S76;P1.69  S77;P1.69  S78;P1.78# |
| S78;P1.79 | PAR4 | 2FD0 | S74;P1.26  S75;P1.26  S76;P1.26  S77;P1.26  S78;P1.79#  S81;P1.32#  S82;P1.32# |
| S78;P1.80 | NFFEGTS | 2FGNFFEGTS | S74;P1.8  S75;P1.8  S76;P1.8  S77;P1.8  S78;P1.80 |
| S79;P1.3 | *WRTAU0 | *2EFWRTAU0 | S70;P1.3  S79;P1.3 |
| S79;P1.5 | *WRTAL0 | *2EFWRTAL0 | S70;P1.68  S79;P1.5 |
| S79;P1.6 | *WRTAU1 | *2EFWRTAU1 | S71;P1.3  S79;P1.6 |
| S79;P1.7 | *WRTAL1 | *2EFWRTAL1 | S71;P1.68  S79;P1.7 |
| S79;P1.8 | *WRTAU2 | *2EFWRTAU2 | S72;P1.3  S79;P1.8 |
| S79;P1.9 | *WRTAL2 | *2EFWRTAL2 | S72;P1.68  S79;P1.9 |
| S79;P1.10 | *WRTAU3 | *2EFWRTAU3 | S73;P1.3  S79;P1.10 |
| S79;P1.12 | *WRTAL3 | *2EFWRTAL3 | S73;P1.68  S79;P1.12 |
| S79;P1.13 | *WRTBU0 | *2EFWRTBU0 | S70;P1.70  S79;P1.13 |
| S79;P1.14 | *WRTBL0 | *2EFWRTBL0 | S70;P1.72  S79;P1.14 |
| S79;P1.15 | *WRTBU1 | *2EFWRTBU1 | S71;P1.70  S79;P1.15 |
| S79;P1.16 | *WRTBL1 | *2EFWRTBL1 | S71;P1.72  S79;P1.16 |
| S79;P1.17 | *WRTBU2 | *2EFWRTBU2 | S72;P1.70  S79;P1.17 |
| S79;P1.18 | *WRTBL2 | *2EFWRTBL2 | S72;P1.72  S79;P1.18 |
| S79;P1.19 | *WRTBU3 | *2EFWRTBU3 | S73;P1.70  S79;P1.19 |
| S79;P1.20 | *WRTBL3 | *2EFWRTBL3 | S73;P1.72  S79;P1.20 |
| S79;P1.22 | DEVADR0 | 2DDYB4 | S50;P1.33  S69;P1.43  S79;P1.22  S82;P1.13#  S83;P1.6  S94;P1.68  S96;P1.68 |
| S79;P1.23 | DEVADR1 | 2DDYB3 | S50;P1.32  S69;P1.80  S79;P1.23  S82;P1.15#  S83;P1.5  S94;P1.69  S96;P1.69 |
| S79;P1.24 | WRTEC0 | 2EFWRTEC0 | S74;P1.64  S79;P1.24 |
| S79;P1.25 | WRTEC1 | 2EFWRTEC1 | S75;P1.64  S79;P1.25 |
| S79;P1.26 | WRTEC2 | 2EFWRTEC2 | S76;P1.64  S79;P1.26 |
| S79;P1.27 | WRTEC3 | 2EFWRTEC3 | S77;P1.64  S79;P1.27 |
| S79;P1.28 | SHIFT | CMSHIFT | S15;P1.28  S19;P1.26  S46;P1.6  S53;P1.59  S54;P1.59  S5;P1.12  S63;P1.59  S64;P1.59  S69;P1.12  S79;P1.28  S83;P1.26  S94;P1.29 |
| S79;P1.29 | DEVB | 2EFDEVB | S70;P1.35  S71;P1.35  S72;P1.35  S73;P1.35  S74;P1.65  S75;P1.65  S76;P1.65  S77;P1.65  S79;P1.29 |
| S79;P1.30 | *DEVB | *2EFDEVB | S74;P1.72  S75;P1.72  S76;P1.72  S77;P1.72  S78;P1.13  S79;P1.30  S80;P1.79  S84;P1.55  S85;P1.55  S86;P1.55  S87;P1.55 |
| S79;P1.31 | GND-U50 | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.21  S46;P1.21  S47;P1.11  S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80  S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S80;P1.71 |
| S79;P1.32 | SELSUM | 2EFSELSUM | S70;P1.57  S71;P1.57  S72;P1.57  S73;P1.57  S79;P1.32  S12;P1.80  S20;P1.72 |
| S79;P1.33 | LOADA | 2EFLOADA | S70;P1.29  S71;P1.29  S72;P1.29  S73;P1.29  S79;P1.33 |
| S79;P1.34 | *CLOCK | *CMCLK4 | S11;P1.79  S14;P1.22  S16;P1.72  S70;P1.79  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S71;P1.79  S74;P1.79  S75;P1.79  S78;P1.22  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S79;P1.35 | *CLRFGADR | *2EFCLRFGADR | S74;P1.77  S75;P1.77  S76;P1.77  S77;P1.77  S79;P1.35 |
| S79;P1.36 | STARTUP | 2SLSTARTUP | S79;P1.36  S80;P1.35 |
| S79;P1.37 | FGADROFL | 2FG0CNTOVFL | S74;P1.70  S79;P1.37 |
| S79;P1.38 | IDLEUP | 2EFIDLEUP | S79;P1.38  S80;P1.25 |

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SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | CON.PIN_NO |
|---|---|---|---|
| S79;P1.39 | DDINIT | 2DDYB1 | S79;P1.39  S82;P1.37#  S94;P1.54 |
| S79;P1.40 | IDLELD | 2EFIDLELD | S79;P1.40  S80;P1.30 |
| S79;P1.42 | HOLD | 2EFHOLD | S79;P1.42  S80;P1.78 |
| S79;P1.43 | *LDB | *2EFLDB | S79;P1.43  S81;P1.23  S83;P1.47 |
| S79;P1.44 | *DPDECODE | *2DPDECODE | S50;P1.38#  S69;P1.24  S79;P1.44 |
| S79;P1.45 | MYWORD | 2EFMYWORD | S79;P1.45  S80;P1.32 |
| S79;P1.46 | DDAVAIL | 2ACDDAVAIL | S50;P1.37  S69;P1.26  S79;P1.46  S83;P1.37# |
| S79;P1.47 | FACE | 2ACFACE | S79;P1.47  S83;P1.77# |
| S79;P1.48 | EDGE | 2ACEDGE | S79;P1.48  S83;P1.63# |
| S79;P1.49 | DDEOL | 2DDYB0 | S65;P1.62  S69;P1.37  S79;P1.49  S82;P1.18#  S83;P1.52 |
| S79;P1.50 | STARTLD | 2SLSTARTLD | S79;P1.50  S80;P1.40 |
| S79;P1.52 | *CHAN | *CMCHN2 | S46;P1.53  S53;P1.66  S54;P1.66  S69;P1.5  S79;P1.52  S83;P1.3 |
| S79;P1.53 | *ACCEPTDD | *2DPACCEPT | S50;P1.39#  S69;P1.23  S79;P1.53  S83;P1.16# |
| S79;P1.54 | *STARTFI | *2SLSTARTFI | S78;P1.62  S79;P1.54  S80;P1.39 |
| S79;P1.55 | IDLEFI | 2EFIDLEFI | S78;P1.55  S79;P1.55  S80;P1.26  S80;P1.76 |
| S79;P1.56 | CNTWRT | 2EFCNTWRT | S78;P1.3  S79;P1.56  S80;P1.56 |
| S79;P1.57 | LDBKTADRFI | 2EFLDBKTADRFI | S79;P1.57  S80;P1.46 |
| S79;P1.58 | FGOKEY0 | 2EFFGOKEY0 | S74;P1.74  S79;P1.58  S80;P1.58 |
| S79;P1.59 | FGOKEY1 | 2EFFGOKEY1 | S75;P1.74  S79;P1.59  S80;P1.59 |
| S79;P1.60 | FGOKEY2 | 2EFFGOKEY2 | S76;P1.74  S79;P1.60  S80;P1.60 |
| S79;P1.62 | FGOKEY3 | 2EFFGOKEY3 | S77;P1.74  S79;P1.62  S80;P1.62 |
| S79;P1.63 | *INCFGADR | *2EFINCFGADR | S74;P1.60  S75;P1.60  S76;P1.60  S77;P1.60  S79;P1.63  S81;P1.40# |
| S79;P1.64 | *RESET | *CMGRE1 | S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64  S16;P1.80  S17;P1.78  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5  S60;P1.5  S75;P1.73  S76;P1.73  S77;P1.73  S78;P1.10  S81;P1.78  S82;P1.78  S83;P1.46 |
| S79;P1.65 | FGEOL | 2FD6 | S74;P1.20  S75;P1.20  S76;P1.20  S77;P1.20  S79;P1.65  S82;P1.40# |
| S79;P1.66 | LOOPA | CMDEVEN4 | S15;P1.66  S46;P1.59  S79;P1.66 |
| S79;P1.67 | LOOPB | GND79B | S78;P1.71  S79;P1.67  S79;P1.71 |
| S79;P1.68 | LOOPC | GND79A | S79;P1.68  S79;P1.71 |
| S79;P1.69 | LOOPD | LOOPB | S15;P1.69  S46;P1.60  S79;P1.69 |
| S79;P1.70 | SERIN | CMSEROUT | S15;P1.70  S17;P1.5  S57;P1.40  S79;P1.70 |
| S79;P1.71 | SERINA | GND79A | S8;P1.45  S47;P1.40  S65;P1.23  S72;P1.45  S79;P1.71  S81;P1.5 |
| S79;P1.72 | SERIND | 2FG1SENSE | S71;P1.36  S75;P1.13  S79;P1.36  S79;P1.72 |
| S79;P1.75 | SEROUT | 2FG3SENSE | S5;P1.7  S54;P1.70#  S73;P1.76  S77;P1.13  S79;P1.75 |
| S79;P1.76 | | MDOUT | S5;P1.7  S15;P1.76  S19;P1.55#  S46;P1.9  S79;P1.76  S83;P1.55# |
| S79;P1.77 | *ITSME1 | *2FG1ITSME | S75;P1.66  S79;P1.7  S79;P1.77 |
| S79;P1.78 | *ITSME2 | ZZZBBA | S76;P1.66  S79;P1.66  S79;P1.78 |
| S79;P1.79 | *ITSME3 | ZZZBBB | S77;P1.66  S79;P1.71  S79;P1.79 |
| S79;P1.80 | *SPEXISTS | *IMHERE | S15;P1.50#  S19;P1.50#  S46;P1.79  S54;P1.6#  S64;P1.6#  S79;P1.80  S83;P1.50# |
| S80;P1.14 | SPANADRO | 2PSSPANADRO | S69;P1.6  S78;P1.59#  S80;P1.14  S85;P1.7  S86;P1.7  S87;P1.7 |
| S80;P1.15 | LAADRO | 2SLLAADRO | S80;P1.15  S84;P1.7  S85;P1.7 |
| S80;P1.16 | SPANADR1 | 2SSPANADR1 | S78;P1.58#  S80;P1.16  S86;P1.5  S87;P1.5 |
| S80;P1.17 | LAADR1 | 2SLLAADR1 | S80;P1.57#  S84;P1.5  S85;P1.5 |
| S80;P1.18 | SPANADR2 | 2PSSPANADR2 | S78;P1.57#  S80;P1.18 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S80;P1.19 | LAADR2 | 2SLLAADR2 | S80;P1.19  S84;P1.19  S85;P1.75  S86;P1.75  S87;P1.75 |
| S80;P1.20 | SPANADR3 | 2PSSPANADR3 | S78;P1.55#  S80;P1.20  S85;P1.78  S86;P1.78  S87;P1.78 |
| S80;P1.22 | LAADR3 | 2SLLAADR3 | S80;P1.22  S84;P1.78 |
| S80;P1.23 | SPANADR4 | 2PSSPANADR4 | S78;P1.45#  S80;P1.23 |
| S80;P1.24 | LAADR4 | 2SLLAADR4 | S80;P1.24  S84;P1.77  S85;P1.77  S86;P1.77  S87;P1.77 |
| S80;P1.25 | IDLEUP | 2EFIDLEUP | S79;P1.38  S80;P1.25 |
| S80;P1.26 | IDLEFI | 2EFIDLEFI | S79;P1.55  S80;P1.26  S80;P1.76 |
| S80;P1.27 | CLRINP | 2SICLRINP | S80;P1.27  S84;P1.49  S85;P1.49  S86;P1.49  S87;P1.49 |
| S80;P1.28 | MAIN0 | 2SLSERLINK | S80;P1.28  S84;P1.28 |
| S80;P1.29 | DRAWSURF | 2ACDRAWSURF | S80;P1.29  S50;P1.29  S69;P1.50  S83;P1.18#  S88;P1.19  S90;P1.74 |
| | | | |
| S80;P1.30 | IDLELD | 2EFIDLELD | S79;P1.40  S80;P1.30 |
| S80;P1.32 | MYWORD | 2EFMYWORD | S79;P1.45  S80;P1.32 |
| S80;P1.33 | INSORTMODE | 2SLINSORTMODE | S78;P1.20  S80;P1.33 |
| S80;P1.34 | SP-LINEDONE | 2SLSP-LINEDONE | S80;P1.34  S83;P1.59 |
| S80;P1.35 | STARTUP | 2SLSTARTUP | S79;P1.36  S80;P1.35 |
| S80;P1.36 | LAADR5 | 2SLLAADR5 | S80;P1.36  S84;P1.79  S85;P1.79  S86;P1.79  S87;P1.79 |
| S80;P1.37 | SELWRT | 2SLSELWRT | S80;P1.37  S84;P1.50  S85;P1.50  S86;P1.50  S87;P1.50 |
| S80;P1.38 | LAWRITE | 2SLLAWRITE | S80;P1.38  S84;P1.12  S85;P1.12  S86;P1.12  S87;P1.12 |
| S80;P1.39 | *STARTFILC | *2SLSTARTFI | S78;P1.62  S79;P1.54  S80;P1.39 |
| S80;P1.40 | STARTLD | 2SLSTARTLD | S79;P1.50  S80;P1.40  S80;P1.68  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.41 | | 2SLGND | S80;P1.41  S80;P1.75  S80;P1.69  S92;P1.74 |
| | | | |
| S80;P1.42 | LRB | 2SLPOKELAOUT | S80;P1.42  S84;P1.65  S85;P1.65  S86;P1.65  S87;P1.65 |
| S80;P1.43 | LRA | 2SLLOADIAOUT | S80;P1.43  S84;P1.58  S85;P1.58  S86;P1.58  S87;P1.58 |
| S80;P1.44 | INCMSB | 2SLINCMSB | S78;P1.65  S80;P1.44  S84;P1.30  S85;P1.30  S86;P1.30  S87;P1.30 |
| S80;P1.46 | LDIN | 2EFLDBKTADRFI | S79;P1.57  S80;P1.46 |
| S80;P1.47 | *USED | *2PSUSED | S78;P1.49#  S80;P1.47 |
| S80;P1.48 | WRTIN | 2EFCNTWRT | S78;P1.3  S78;P1.8  S79;P1.56  S80;P1.48 |
| S80;P1.49 | *LDBKTADR | *2SLLDBKTADR | S78;P1.5  S80;P1.49 |
| S80;P1.50 | WRTBKT | 2SLWRTBKT | S78;P1.6  S80;P1.50 |
| S80;P1.52 | INCBKTADR | 2SLINCBKTADR | S78;P1.16  S80;P1.52 |
| S80;P1.53 | *ENPSDATA | *2SLENPSDATA | S78;P1.70  S80;P1.53 |
| S80;P1.54 | BKTADROFL | 2PSBKTADROFL | S78;P1.19#  S80;P1.54 |
| S80;P1.55 | *LDPSOUT | *2SLLDPSOUT | S78;P1.9  S80;P1.55 |
| S80;P1.56 | *LAST | *2PSLAST | S78;P1.43#  S80;P1.56 |
| S80;P1.57 | PTRSEL | 2SLPTRSEL | S78;P1.48  S80;P1.57 |
| S80;P1.58 | STEQEND | 2SLSTEQEND | S78;P1.60#  S80;P1.58 |
| S80;P1.59 | | 2PSSTEQEND | S78;P1.28  S80;P1.59 |
| S80;P1.59 | MAINTSEL | 2SLMAINTSEL | S78;P1.60  S80;P1.28 |
| S80;P1.60 | *FIRST | *2SLFIRST | S80;P1.60  S84;P1.25  S85;P1.25  S86;P1.25  S87;P1.25 |
| S80;P1.62 | MINPRI5 | 2FD7 | S74;P1.17  S75;P1.17  S76;P1.17  S77;P1.17  S78;P1.15  S80;P1.62 |
| S80;P1.63 | MINPRI4 | 2FD11 | S81;P1.39#  S82;P1.39#  S74;P1.55  S75;P1.55  S76;P1.55  S77;P1.55  S78;P1.14  S80;P1.63 |
| S80;P1.64 | MINPRI3 | 2FD10 | S81;P1.44#  S82;P1.44#  S74;P1.54  S75;P1.54  S76;P1.54  S77;P1.54  S78;P1.12  S80;P1.64 |
| S80;P1.65 | MINPRI2 | 2FD9 | S81;P1.43#  S82;P1.43#  S74;P1.52  S75;P1.52  S76;P1.52  S77;P1.52  S78;P1.7  S80;P1.65 |
| S80;P1.66 | MINPRI1 | 2FD8 | S81;P1.42#  S82;P1.42#  S74;P1.53  S75;P1.53  S76;P1.53  S77;P1.53  S78;P1.17  S80;P1.66 |
| | | | S81;P1.38#  S82;P1.38# |

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20011610A0
SP1T DP
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FIELD RPT BY PIN#          10-FEB-89     09:24:37     PAGE     94

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S80;P1.67 | MINPRIO | 2FD2 | S74;P1.23  S75;P1.23  S76;P1.23  S77;P1.23  S78;P1.18  S80;P1.67  S81;P1.33#  S82;P1.33# |
| S80;P1.68 | PRI5 | 2SLGND | S80;P1.41  S80;P1.68  S80;P1.69  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.69 | PRI4 | 2SLGND | S80;P1.41  S80;P1.68  S80;P1.69  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.70 | PRI3 | 2SLGND | S80;P1.41  S80;P1.68  S80;P1.69  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.71 |  | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.11  S46;P1.11  S47;P1.11  S5;P1.61  S69;P1.61  S6;P1.80  S70;P1.80  S71;P1.80  S74;P1.80  S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S7;P1.80  S80;P1.71  S84;P1.71  S85;P1.71  S86;P1.71  S87;P1.71  S12;P1.80 |
| S80;P1.72 | *CLOCK | *CMCLK4 | S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.72  S20;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S6;P1.79  S70;P1.79  S71;P1.72  S74;P1.79  S75;P1.3  S75;P1.72  S78;P1.22  S79;P1.34  S7;P1.79  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72  S80;P1.69  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.73 | PRI2 | 2SLGND | S80;P1.41  S80;P1.68  S80;P1.69  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.74 | PRI1 | 2SLGND | S80;P1.41  S80;P1.68  S80;P1.69  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.75 | PRI0 | 2SLGND | S80;P1.41  S80;P1.68  S80;P1.69  S80;P1.70  S80;P1.73  S80;P1.74 |
| S80;P1.76 | SERIN | 2EFIDLEFI | S80;P1.55  S80;P1.26  S80;P1.76  S77;P1.72  S78;P1.13  S79;P1.30 |
| S80;P1.78 | HOLD | 2EFHOLD | S79;P1.42  S80;P1.78  S76;P1.72  S86;P1.55  S87;P1.55 |
| S80;P1.79 | *DEVICE | *2EFDEVB | S74;P1.72  S75;P1.72  S85;P1.55  S13;P1.73  S14;P1.10 |
| S80;P1.80 | *RESET | *CMGRE1 | S80;P1.79  S84;P1.79  S12;P1.73  S19;P1.46  S46;P1.15  S15;P1.64  S10;P1.73  S11;P1.73  S18;P1.78  S76;P1.73  S77;P1.73  S50;P1.5  S16;P1.80  S17;P1.78  S75;P1.73  S82;P1.78  S83;P1.46  S78;P1.10  S60;P1.5  S74;P1.73  S81;P1.78  S79;P1.64  S80;P1.80  S81;P1.80 |
| S81;P1.2 | +5VDC | +5V81 | S81;P1.2  S81;P1.4  S81;P1.80  S82;P1.54#  S88;P1.18 |
| S81;P1.3 | DDADDIN | 2DDYA15 | S81;P1.3 |
| S81;P1.4 |  | +5V81 | S81;P1.2  S81;P1.4  S81;P1.80  S82;P1.54#  S88;P1.18 |
| S81;P1.5 | MAINTSERIN | CMSEROUT | S15;P1.70  S17;P1.5  S1;P1.23  S46;P1.37  S47;P1.40  S57;P1.40  S65;P1.23  S72;P1.45  S79;P1.70  S81;P1.5  S8;P1.45  S81;P1.54#  S82;P1.6  S88;P1.73  S94;P1.33 |
| S81;P1.6 | OFSSERIN | 2DDXA15 | S72;P1.45  S81;P1.6 |
| S81;P1.7 | DDB6 | 2DDXB6 | S50;P1.43  S65;P1.77  S81;P1.7# |
| S81;P1.8 | DDB7 | 2DDXB7 | S50;P1.45  S65;P1.79  S81;P1.8# |
| S81;P1.9 | *ACINPACCEPT | *2ACINPACCEPT | S81;P1.9  S83;P1.43# |
| S81;P1.10 | *DBAVAIL | *2DDXDBAVAIL | S81;P1.10  S83;P1.39 |
| S81;P1.12 | DDXCARD | 2DDXPUP | S81;P1.12  S81;P1.48 |
| S81;P1.13 | DDB4 | 2DDXB4 | S50;P1.46  S65;P1.73  S81;P1.13#  S94;P1.63 |
| S81;P1.14 | DDB5 | 2DDXB5 | S50;P1.48  S65;P1.75  S81;P1.14#  S83;P1.60 |
| S81;P1.15 | DDB3 | 2DDXB3 | S50;P1.44  S65;P1.69  S81;P1.15#  S94;P1.38 |
| S81;P1.16 | ACLDB | 2ACLDB | S82;P1.16  S83;P1.30#  S94;P1.35  S96;P1.38 |
| S81;P1.17 | DDB2 | 2DDXB2 | S50;P1.42  S65;P1.67  S81;P1.17#  S94;P1.43  S96;P1.35 |
| S81;P1.18 | DDB0 | 2DDXB0 | S50;P1.8  S65;P1.63  S83;P1.18#  S94;P1.43  S96;P1.43 |
| S81;P1.19 | CTL0 | 2ACDDCODE0 | S81;P1.19  S82;P1.19 |
| S81;P1.20 | FD10 | 2FD1 | S74;P1.25  S75;P1.25  S76;P1.25  S77;P1.25  S78;P1.72#  S81;P1.20# |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S81;P1.22 | ACLDA | 2ACLDA | S82;P1.20# |
| S81;P1.23 | *FE1 | *2EFLDB | S82;P1.22  S83;P1.17#  S90;P1.76  S92;P1.76  S94;P1.23# |
| S81;P1.24 | CTL4 | *2ACDRAWPGM | S79;P1.43  S83;P1.47  S77;P1.24  S78;P1.76#  S81;P1.28# |
| S81;P1.25 | CTL2 | 2ACDDCODE2 | S81;P1.24  S83;P1.8#  S86;P1.59  S87;P1.59 |
| S81;P1.26 | CTL1 | 2ACDDCODE1 | S81;P1.25  S83;P1.34# |
| S81;P1.27 | *BMAINT | *2SD0BMAINT | S81;P1.26  S83;P1.35#  S88;P1.66 |
| S81;P1.28 | FD8 | 2FD3 | S81;P1.27  S82;P1.27  S76;P1.24  S77;P1.24  S78;P1.24# |
| S81;P1.28 |  |  | S82;P1.28#  S84;P1.59  S85;P1.59  S86;P1.59  S87;P1.59 |
| S81;P1.29 | *FE2 | *2ACFE2X | S81;P1.29  S83;P1.68#  S76;P1.22  S78;P1.73#  S81;P1.30# |
| S81;P1.30 | FD7 | 2FD4 | S74;P1.22  S75;P1.22  S85;P1.10  S77;P1.22  S87;P1.10 |
| S81;P1.32 | FD11 | 2FD0 | S82;P1.30#  S84;P1.10  S76;P1.26  S78;P1.79#  S81;P1.32# |
| S81;P1.33 | FD9 | 2FD2 | S74;P1.26  S75;P1.26  S77;P1.26  S80;P1.67 |
| S81;P1.34 | FD6 | 2FD5 | S82;P1.32#  S75;P1.23  S76;P1.23  S77;P1.23  S78;P1.18 |
| S81;P1.35 | *FE0 | *2ACFE0X | S74;P1.23  S82;P1.33#  S76;P1.19  S78;P1.74#  S81;P1.34# |
| S81;P1.36 | CTL3 | 2ACDDCODE3 | S81;P1.33#  S75;P1.19  S85;P1.22  S77;P1.19  S87;P1.22 |
| S81;P1.37 | DDB1 | 2DDXB1 | S74;P1.19  S82;P1.34#  S76;P1.22  S86;P1.22 |
| S81;P1.38 | FD3 | 2FD8 | S82;P1.34#  S83;P1.66#  S83;P1.33#  S94;P1.42  S96;P1.42 |
| S81;P1.38 |  |  | S81;P1.35  S82;P1.36  S81;P1.37#  S77;P1.53  S78;P1.17 |
| S81;P1.39 | FD4 | 2FD7 | S81;P1.36  S65;P1.65  S76;P1.53  S77;P1.17  S80;P1.62 |
| S81;P1.40 | FD5 | 2FD6 | S50;P1.40  S75;P1.53  S76;P1.17  S79;P1.65  S80;P1.62 |
| S81;P1.41 | GROUND | 2DDXGND | S74;P1.53  S82;P1.38#  S76;P1.20  S78;P1.15  S81;P1.40# |
| S81;P1.42 | FD2 | 2FD9 | S81;P1.38#  S75;P1.17  S77;P1.20  S78;P1.20 |
| S81;P1.43 | FD1 | 2FD10 | S74;P1.17  S82;P1.39#  S77;P1.52  S78;P1.7  S80;P1.65 |
| S81;P1.44 | FD0 | 2FD11 | S81;P1.39#  S75;P1.20  S76;P1.52  S78;P1.12  S80;P1.64 |
| S81;P1.45 | DDA7 | 2DDXA7 | S74;P1.20  S82;P1.40#  S76;P1.54  S78;P1.14  S80;P1.63 |
| S81;P1.46 | DDMD0 | 2DDXMD0 | S81;P1.41  S75;P1.52  S77;P1.54  S68;P1.80 |
| S81;P1.48 | PUP | 2DDXPUP | S74;P1.52  S81;P1.62  S76;P1.55  S70;P1.44  S71;P1.44 |
| S81;P1.50 | DDMD1 | 2DDXMD1 | S81;P1.42#  S75;P1.54  S77;P1.55  S68;P1.78  S71;P1.39 |
| S81;P1.52 | DDMD3 | 2DDXMD3 | S74;P1.54  S82;P1.42#  S49;P1.30  S70;P1.39  S71;P1.37 |
| S81;P1.53 | ACMSW | 2ACMSW | S81;P1.43#  S75;P1.55  S49;P1.29  S70;P1.37 |
| S81;P1.54 | DDA15 | 2DDXA15 | S74;P1.55  S82;P1.43#  S49;P1.33  S88;P1.73  S94;P1.33 |
| S81;P1.55 | DDA15XOR | 2DDXA15XOR | S81;P1.44#  S82;P1.44#  S83;P1.53#  S68;P1.74 |
| S81;P1.56 | DDMD2 | 2DDXMD2 | S81;P1.45#  S88;P1.80  S82;P1.6  S71;P1.64 |
| S81;P1.57 | DDMD15 | 2DDXMD15 | S47;P1.59  S48;P1.45  S49;P1.32  S68;P1.76  S70;P1.64 |
| S81;P1.57 |  |  | S81;P1.46#  S90;P1.50  S70;P1.62  S71;P1.62  S81;P1.57# |
| S81;P1.58 | DDMD13 | 2DDXMD13 | S81;P1.12  S81;P1.48  S70;P1.27  S71;P1.27  S81;P1.58# |
| S81;P1.58 |  |  | S47;P1.63  S48;P1.44  S90;P1.52  S47;P1.67  S48;P1.42 |
| S81;P1.58 |  |  | S90;P1.54  S81;P1.52#  S82;P1.53  S81;P1.6  S88;P1.79 |
| S81;P1.58 |  |  | S47;P1.65  S48;P1.43  S90;P1.53  S47;P1.80  S49;P1.47 |
| S81;P1.58 |  |  | S94;P1.50  S96;P1.50  S47;P1.76  S49;P1.45  S70;P1.27 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S81;P1.60 | DDMD9 | 2DDXMD9 | S94;P1.59  S94;P1.35  S49;P1.39  S68;P1.29  S70;P1.48  S71;P1.48 |
| S81;P1.62 | DDYCARD | 2DDXGND | S47;P1.68  S81;P1.60  S90;P1.66  S94;P1.22  S71;P1.22  S81;P1.63# |
| S81;P1.63 | DDMD12 | 2DDXMD12 | S81;P1.41  S81;P1.62  S71;P1.28  S81;P1.64#  S90;P1.66 |
| S81;P1.64 | DDMD14 | 2DDXMD14 | S47;P1.74  S48;P1.74  S49;P1.44  S71;P1.28  S81;P1.64#  S90;P1.66 |
| S81;P1.65 | DDMD8 | 2DDXMD8 | S90;P1.64  S48;P1.32  S70;P1.28  S68;P1.32  S70;P1.18  S71;P1.18 |
| S81;P1.66 | DDMD11 | 2DDXMD11 | S47;P1.78  S94;P1.60  S49;P1.38  S68;P1.32  S70;P1.43  S71;P1.43 |
| S81;P1.67 | DDK1 | 2DDXK1 | S94;P1.49  S47;P1.43  S94;P1.67  S68;P1.25  S70;P1.18  S71;P1.18 |
| S81;P1.68 | DDMD10 | 2DDXMD10 | S47;P1.66  S96;P1.49  S49;P1.42  S68;P1.27  S70;P1.30  S71;P1.30 |
| S81;P1.69 | DDK3 | 2DDXK3 | S81;P1.65#  S47;P1.36  S94;P1.64 |
| S81;P1.70 | DDK2 | 2DDXK2 | S47;P1.72  S90;P1.59  S49;P1.40  S24;P1.61  S24;P1.71  S26;P1.80 |
| S81;P1.71 | GROUND | 1TW*CMCLK3 | S81;P1.66#  S48;P1.33  S94;P1.65  S46;P1.11  S81;P1.71  S82;P1.71 |
| S81;P1.72 | *CLK | *CMCLK3 | S81;P1.67#  S90;P1.63  S19;P1.41  S90;P1.80  S92;P1.80  S94;P1.51 |
| S81;P1.73 | DDMD5 | 2DDXMD5 | S47;P1.70  S88;P1.48  S32;P1.51  S24;P1.72  S26;P1.79  S28;P1.79 |
| S81;P1.74 | DDK4 | 2DDXK4 | S81;P1.68#  S48;P1.34  S88;P1.71  S81;P1.72  S82;P1.72  S83;P1.42 |
| S81;P1.75 | DDMD6 | 2DDXMD6 | S81;P1.69#  S90;P1.62  S19;P1.42  S94;P1.52  S96;P1.52  S71;P1.42 |
| S81;P1.76 | DDMD7 | 2DDXMD7 | S81;P1.70#  S88;P1.53  S46;P1.18  S68;P1.15  S70;P1.42 |
| S81;P1.77 | DDMD4 | 2DDXMD4 | S17;P1.71  S88;P1.57  S92;P1.79 |
| S81;P1.78 | *RESET | *CMGRE1 | S28;P1.80  S18;P1.71  S49;P1.35  S68;P1.13  S70;P1.40  S71;P1.40 |
| S81;P1.80 | | +5V81 | S83;P1.41  S30;P1.51  S49;P1.36  S68;P1.10  S70;P1.46  S71;P1.46 |
| S82;P1.1 | GROUND | 2DDYGND | S96;P1.51  S88;P1.61  S49;P1.37  S68;P1.17  S70;P1.55  S71;P1.55 |
| S82;P1.2 | +5VDC | +5V82 | S17;P1.72  S18;P1.72  S49;P1.34 |
| S82;P1.3 | DDADDIN | 2DDYGND | S30;P1.52  S32;P1.52  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64 |
| S82;P1.4 | | +5V82 | S88;P1.72  S90;P1.79  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5 |
| S82;P1.5 | MAINTSERIN | 2SD0SEROUT | S47;P1.60  S48;P1.39  S75;P1.73  S76;P1.73  S77;P1.73  S78;P1.10 |
| S82;P1.6 | OFSSERIN | 2DDXA15 | S81;P1.73#  S90;P1.56  S81;P1.78  S82;P1.78  S83;P1.46 |
| S82;P1.7 | DDB6 | 2DDYB6 | S88;P1.23  S48;P1.38  S82;P1.3  S88;P1.73  S94;P1.33  S96;P1.47 |
| S82;P1.8 | DDB7 | 2DDYB7 | S47;P1.62  S90;P1.57  S82;P1.3  S83;P1.44  S94;P1.47 |
| S82;P1.12 | DDXCARD | 2DDYGND | S81;P1.75#  S48;P1.37  S82;P1.6  S83;P1.76  S83;P1.6 |
| S82;P1.13 | DDB4 | 2DDYB4 | S47;P1.64  S90;P1.58  S82;P1.7#  S82;P1.13# |
| S82;P1.14 | DDB5 | 2DDYB5 | S81;P1.76#  S48;P1.40  S82;P1.8#  S82;P1.14#  S83;P1.45  S94;P1.68 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| S82;P1.15 | DDB3 | 2DDYB3 | S50;P1.32 | S69;P1.80 | S79;P1.23 | S82;P1.15# | S83;P1.5 | S94;P1.69 | S96;P1.69 |
| S82;P1.16 | ACLDB | 2ACLDB | S81;P1.16 | S69;P1.16 | S83;P1.30# | S82;P1.16 | | | |
| S82;P1.17 | DDB2 | 2DDYB2 | S50;P1.30 | S69;P1.55 | S82;P1.17# | S83;P1.4 | S94;P1.70 | S96;P1.70 | |
| S82;P1.18 | DDB0 | 2DDYB0 | S65;P1.62 | S69;P1.37 | S79;P1.49 | S82;P1.18# | S83;P1.52 | | |
| S82;P1.19 | CTL0 | 2ACDDCODE0 | S81;P1.19 | S82;P1.19 | S83;P1.36# | S76;P1.25 | S77;P1.25 | | |
| S82;P1.20 | FD10 | 2FD1 | S74;P1.25 | S75;P1.25 | S76;P1.25 | S77;P1.25 | S78;P1.72# | S81;P1.20# | S82;P1.20# |
| S82;P1.22 | ACLDA | 2ACLDA | S81;P1.22 | S82;P1.22 | S83;P1.17# | S87;P1.59 | S92;P1.76 | S94;P1.23# | |
| S82;P1.23 | *FE1 | 2DDYPUP | S82;P1.23 | S82;P1.48 | S83;P1.62 | S76;P1.24 | S77;P1.24 | S78;P1.76# | S81;P1.28# |
| S82;P1.24 | CTL4 | *2ACDRAWPGM | S81;P1.24 | S82;P1.24 | S83;P1.8# | | | | |
| S82;P1.25 | CTL2 | 2ACDDCODE2 | S81;P1.25 | S82;P1.25 | S83;P1.34# | | | | |
| S82;P1.26 | CTL1 | 2ACDDCODE1 | S81;P1.26 | S82;P1.26 | S83;P1.35# | S88;P1.66 | S90;P1.76 | S92;P1.76 | |
| S82;P1.27 | *BMAINT | *2SD0BMAINT | S81;P1.27 | S82;P1.27 | S76;P1.24 | S85;P1.59 | S87;P1.59 | | |
| S82;P1.28 | FD8 | 2FD3 | S74;P1.24 | S75;P1.24 | S76;P1.24 | S77;P1.24 | S78;P1.76# | S81;P1.28# | S82;P1.28# |
| S82;P1.29 | *FE2 | *2ACFE2Y | S83;P1.69# | S75;P1.22 | S76;P1.22 | S77;P1.22 | S78;P1.73# | S81;P1.30# | |
| S82;P1.30 | FD7 | 2FD4 | S75;P1.22 | S84;P1.10 | S85;P1.10 | S86;P1.10 | S87;P1.10 | S81;P1.32# | |
| S82;P1.32 | FD11 | 2FD0 | S82;P1.30# | S75;P1.26 | S76;P1.26 | S77;P1.26 | S78;P1.79# | S81;P1.32# | |
| S82;P1.33 | FD9 | 2FD2 | S74;P1.26 | S75;P1.23 | S76;P1.23 | S77;P1.23 | S78;P1.18 | S80;P1.67 | S82;P1.32# |
| S82;P1.34 | FD6 | 2FD5 | S74;P1.23 | S75;P1.19 | S76;P1.19 | S77;P1.19 | S78;P1.74# | S81;P1.34# | S81;P1.33# |
| S82;P1.35 | *FE0 | *2ACFE0Y | S74;P1.19 | S75;P1.19 | S76;P1.19 | S77;P1.19 | S86;P1.22 | S87;P1.22 | |
| S82;P1.36 | CTL3 | 2ACDDCODE3 | S82;P1.34# | S82;P1.33# | S83;P1.33# | S84;P1.22 | S85;P1.22 | | |
| S82;P1.37 | DDB1 | 2DDYB1 | S82;P1.35 | S82;P1.36 | S83;P1.37# | S94;P1.54 | | | |
| S82;P1.38 | FD3 | 2FD8 | S81;P1.36 | S75;P1.53 | S76;P1.53 | S77;P1.53 | S78;P1.17 | S80;P1.66 | S82;P1.37# |
| S82;P1.39 | FD4 | 2FD7 | S79;P1.39 | S75;P1.17 | S76;P1.17 | S77;P1.17 | S78;P1.15 | S80;P1.62 | |
| S82;P1.40 | FD5 | 2FD6 | S74;P1.53 | S75;P1.20 | S76;P1.20 | S77;P1.20 | S79;P1.65 | S81;P1.40# | S81;P1.38# |
| S82;P1.42 | FD2 | 2FD9 | S74;P1.52 | S75;P1.52 | S76;P1.52 | S77;P1.52 | S78;P1.7 | S80;P1.65 | S81;P1.42# |
| S82;P1.43 | FD1 | 2FD10 | S74;P1.54 | S75;P1.54 | S76;P1.54 | S77;P1.54 | S78;P1.12 | S80;P1.64 | S81;P1.43# |
| S82;P1.44 | FD0 | 2FD11 | S74;P1.55 | S75;P1.55 | S76;P1.55 | S77;P1.55 | S78;P1.14 | S80;P1.63 | S81;P1.44# |
| S82;P1.45 | DDA7 | 2DDYA7 | S81;P1.44# | S82;P1.44# | S88;P1.74 | | | | |
| S82;P1.46 | DDMD0 | 2DDYMD0 | S68;P1.79 | S72;P1.44 | S73;P1.44 | | | | |
| S82;P1.47 | DDYSEL | 2DDYSEL | S82;P1.47# | S88;P1.54 | | | | | |
| S82;P1.48 | PUP | 2DDYPUP | S82;P1.23 | S82;P1.48 | | | | | |
| S82;P1.50 | DDMD1 | 2DDYMD1 | S68;P1.77 | S72;P1.39 | S73;P1.39 | S82;P1.50# | S92;P1.50 | S92;P1.52 | |
| S82;P1.52 | DDMD3 | 2DDYMD3 | S68;P1.73 | S72;P1.37 | S73;P1.37 | S82;P1.52# | S92;P1.54 | | |
| S82;P1.53 | ACMSW | 2ACMSW | S81;P1.53 | S82;P1.53 | S83;P1.53# | S88;P1.18 | | | |
| S82;P1.54 | DDA15 | 2DDYA15 | S81;P1.3 | S88;P1.18 | | | | | |
| S82;P1.56 | DDMD2 | 2DDYMD2 | S68;P1.75 | S72;P1.64 | S73;P1.64 | S82;P1.56# | S92;P1.53 | | |
| S82;P1.57 | DDMD15 | 2DDYMD15 | S72;P1.62 | S73;P1.62 | S82;P1.57# | S92;P1.37 | S94;P1.37 | S96;P1.37 | |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S82;P1.58 | DDMD13 | 2DDYMD13 | S72;P1.27  S82;P1.27  S92;P1.65  S82;P1.58# |
| S82;P1.60 | DDMD9 | 2DDYMD9 | S68;P1.28  S72;P1.48  S82;P1.60  S73;P1.48 |
| S82;P1.62 | DDYCARD | 2DDYPUP | S82;P1.23  S82;P1.48  S82;P1.62  S92;P1.60  S96;P1.36 |
| S82;P1.63 | DDMD12 | 2DDYMD12 | S72;P1.22  S73;P1.22  S92;P1.64  S82;P1.63# |
| S82;P1.64 | DDMD14 | 2DDYMD14 | S72;P1.28  S73;P1.28  S92;P1.66  S82;P1.64#  S94;P1.36 |
| S82;P1.65 | DDMD8 | 2DDYMD8 | S68;P1.30  S72;P1.18  S82;P1.65#  S73;P1.18  S92;P1.59 |
| S82;P1.66 | DDMD11 | 2DDYMD11 | S68;P1.24  S72;P1.43  S82;P1.66#  S73;P1.43  S92;P1.63 |
| S82;P1.67 | DDK1 | 2DDYK1 | S82;P1.67#  S88;P1.56 |
| S82;P1.68 | DDMD10 | 2DDYMD10 | S68;P1.26  S72;P1.30  S82;P1.68#  S73;P1.30  S92;P1.62 |
| S82;P1.69 | DDK3 | 2DDYK3 | S82;P1.69#  S88;P1.52 |
| S82;P1.70 | DDK2 | 2DDYK2 | S82;P1.70#  S88;P1.55 |
| S82;P1.71 | GROUND | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.61  S24;P1.71  S26;P1.80  S28;P1.80  S30;P1.51  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71  S83;P1.41  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51  S96;P1.51 |
| S82;P1.72 | *CLK | *CMCLK3 | S17;P1.72  S18;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79  S30;P1.52  S32;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42  S88;P1.72  S90;P1.79  S92;P1.72  S94;P1.52  S96;P1.52 |
| S82;P1.73 | DDMD5 | 2DDYMD5 | S68;P1.14  S72;P1.72  S82;P1.73#  S73;P1.72  S92;P1.73# |
| S82;P1.74 | DDK4 | 2DDYK4 | S82;P1.74#  S88;P1.51 |
| S82;P1.75 | DDMD6 | 2DDYMD6 | S68;P1.12  S72;P1.40  S82;P1.75#  S73;P1.40  S92;P1.75#  S92;P1.57 |
| S82;P1.76 | DDMD7 | 2DDYMD7 | S68;P1.9  S72;P1.46  S82;P1.76#  S73;P1.46  S92;P1.76#  S92;P1.58 |
| S82;P1.77 | DDMD4 | 2DDYMD4 | S68;P1.16  S72;P1.55  S82;P1.77#  S73;P1.55  S92;P1.77#  S92;P1.55 |
| S82;P1.78 | *RESET | *CMGRE1 | S10;P1.73  S11;P1.73  S12;P1.73  S13;P1.73  S14;P1.10  S15;P1.64  S16;P1.80  S17;P1.73  S18;P1.78  S19;P1.46  S46;P1.15  S50;P1.5  S60;P1.5  S75;P1.73  S76;P1.73  S77;P1.73  S78;P1.10  S82;P1.78  S83;P1.46 |
| S83;P1.3 | *CHAN | *CMCHN2 | S46;P1.53  S53;P1.66  S54;P1.66  S69;P1.5  S79;P1.52  S83;P1.3  S94;P1.45 |
| S83;P1.4 | DDYB2 | 2DDYB2 | S50;P1.30  S69;P1.55  S82;P1.17#  S83;P1.4  S94;P1.70  S96;P1.70 |
| S83;P1.5 | DDYB3 | 2DDYB3 | S50;P1.32  S69;P1.23  S79;P1.23  S82;P1.15#  S83;P1.5  S94;P1.69 |
| S83;P1.6 | DDYB4 | 2DDYB4 | S50;P1.33  S79;P1.22  S82;P1.13#  S83;P1.6  S94;P1.68 |
| S83;P1.7 | MAINTSERIN | 2DAYMSBRAMP | S83;P1.7  S92;P1.7  S92;P1.42 |
| S83;P1.8 | *DRAWPGM | *2ACDRAWPGM | S81;P1.24  S82;P1.24  S83;P1.8# |
| S83;P1.9 | DPDONEBUSS | DPDONEBUSS | S19;P1.9#  S46;P1.10  S50;P1.6  S83;P1.9# |
| S83;P1.10 | LDKI | 2ACLDKI | S83;P1.10#  S88;P1.40 |
| S83;P1.12 | LDLIGHT | 2ACLDLIGHT | S83;P1.12#  S88;P1.5 |
| S83;P1.13 | BLOCK3 | CMBLOCK3 | S19;P1.13  S46;P1.43  S83;P1.13 |
| S83;P1.14 | FORCEWAIT | CMFORCEWAIT | S19;P1.14  S46;P1.36  S83;P1.14 |
| S83;P1.15 | *BETACARRY | *2AIBETACARRY | S83;P1.15  S88;P1.25# |
| S83;P1.16 | DPACCEPT | *2DPACCEPT | S50;P1.39#  S79;P1.53  S83;P1.16# |
| S83;P1.17 | LDA | 2ACLDA | S81;P1.22  S82;P1.22  S83;P1.17# |
| S83;P1.18 | DRAWSURF | 2ACDRAWSURF | S50;P1.22  S69;P1.50  S80;P1.29  S83;P1.18  S88;P1.19 |
| S83;P1.19 | *LDN | *2ACLDN | S92;P1.74  S94;P1.62  S83;P1.19# |
| S83;P1.20 | *INCN | *2ACINCN | S83;P1.20#  S94;P1.53 |
| S83;P1.21 | GROUND | GND83 | S83;P1.21  S83;P1.25 |
| S83;P1.22 | *SHACOFS | *2ACSHACOFS | S83;P1.22#  S94;P1.26 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S83;P1.23 | *LDBETA | *2ACLDBETA | S83;P1.23#  S88;P1.26 |
| S83;P1.24 | *SHALPHA | *2ACSHALPHA | S83;P1.24#  S88;P1.78 |
| S83;P1.25 | LOOPDBM | GND83 | S83;P1.21  S83;P1.25 |
| S83;P1.26 | SHIFT | CMSHIFT | S5;P1.12  S15;P1.28  S19;P1.26  S63;P1.59  S30;P1.29  S46;P1.6  S53;P1.59  S54;P1.59  S79;P1.28  S83;P1.26 |
| S83;P1.27 | LDANREGS | 2ACLDANREGS | S94;P1.29  S90;P1.70  S92;P1.39  S94;P1.39  S96;P1.39  S83;P1.27# |
| S83;P1.28 | CTXTOY | 2ACCTXTOY | S83;P1.22  S88;P1.22  S83;P1.28# |
| S83;P1.29 | LOOPDPB | CMDEVEN3 | S19;P1.29  S46;P1.58  S83;P1.29 |
| S83;P1.30 | LDB | 2ACLDB | S81;P1.16  S82;P1.16  S83;P1.30# |
| S83;P1.32 | *DPDECODE | *2DPDECODE | S50;P1.38#  S69;P1.24  S79;P1.44  S83;P1.32# |
| S83;P1.33 | DDCODE3 | 2ACDDCODE3 | S81;P1.36  S82;P1.36  S83;P1.33# |
| S83;P1.34 | DDCODE2 | 2ACDDCODE2 | S81;P1.25  S82;P1.25  S83;P1.34# |
| S83;P1.35 | DDCODE1 | 2ACDDCODE1 | S81;P1.26  S82;P1.26  S83;P1.35# |
| S83;P1.36 | DDCODE0 | 2ACDDCODE0 | S81;P1.19  S82;P1.19  S83;P1.36# |
| S83;P1.37 | DDAVAIL | 2ACDDAVAIL | S50;P1.37  S69;P1.26  S79;P1.46  S83;P1.37# |
| S83;P1.38 | SETLIN | 2SD0COMPOSITESETL | S83;P1.38  S94;P1.4# |
| S83;P1.39 | *DBAVAIL | *2DDXDBAVAIL | S81;P1.10  S83;P1.39  S83;P1.37# |
| S83;P1.40 | BLOCK2 | CMBLOCK2 | S19;P1.40  S46;P1.44  S19;P1.41  S24;P1.61  S83;P1.40  S46;P1.61  S24;P1.71  S81;P1.71  S26;P1.80 |
| S83;P1.41 | GROUND | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S30;P1.51  S32;P1.51  S88;P1.71  S28;P1.80  S30;P1.80  S83;P1.41  S90;P1.80  S92;P1.80  S94;P1.51  S96;P1.51  S82;P1.71  S46;P1.71 |
| S83;P1.42 | *CLK | *CMCLK3 | S17;P1.72  S30;P1.52  S88;P1.72  S96;P1.51  S19;P1.42  S46;P1.18  S92;P1.79  S24;P1.72  S81;P1.72  S94;P1.52  S26;P1.79  S82;P1.72  S96;P1.52  S28;P1.79  S83;P1.42 |
| S83;P1.43 | *INPACCEPT | *2ACINPACCEPT | S81;P1.9  S83;P1.43#  S82;P1.7#  S83;P1.44  S94;P1.47  S96;P1.47 |
| S83;P1.44 | DDYB6 | 2DDYB6 | S50;P1.35  S69;P1.57  S82;P1.14#  S83;P1.44  S83;P1.45 |
| S83;P1.45 | DDYB5 | 2DDYB5 | S50;P1.34  S69;P1.56  S82;P1.14#  S12;P1.73  S13;P1.73 |
| S83;P1.46 | *RESET | *CMGRE1 | S10;P1.73  S11;P1.73  S17;P1.78  S18;P1.78  S19;P1.46  S14;P1.10  S46;P1.15  S83;P1.46 |
| S83;P1.47 | *SPLOADACTIV | *2EFLDB | S16;P1.80  S60;P1.5  S74;P1.73  S75;P1.73  S76;P1.73  S77;P1.73  S81;P1.78  S82;P1.78  S83;P1.47 |
| S83;P1.48 | *ENABFD | *2ACENABFD | S79;P1.64  S79;P1.43  S81;P1.23  S88;P1.58  S83;P1.48# |
| S83;P1.49 | SDYSEL | 2SD0YSEL | S83;P1.48#  S83;P1.49  S94;P1.32# |
| S83;P1.50 | *ITSME | *IMHERE | S15;P1.80  S19;P1.50#  S46;P1.79  S83;P1.50#  S64;P1.6# |
| S83;P1.52 | DDYB0 | 2DDYB0 | S69;P1.6  S69;P1.37  S79;P1.80  S79;P1.49  S82;P1.18#  S54;P1.6# |
| S83;P1.53 | MSW | 2ACMSW | S65;P1.62  S81;P1.53  S82;P1.53  S83;P1.53#  S83;P1.52 |
| S83;P1.54 | DPGO | CMGO | S19;P1.54  S46;P1.25  S83;P1.54  S46;P1.9  S83;P1.9  S54;P1.70# |
| S83;P1.55 | SEROUT | MDOUT | S15;P1.76  S19;P1.55#  S79;P1.55#  S5;P1.7  S54;P1.70# |
| S83;P1.56 | READAVAIL | AVAILOUT | S69;P1.7  S19;P1.56#  S46;P1.77  S83;P1.55#  S83;P1.56# |
| S83;P1.57 | LOADK(J) | 2ACLOADK(J) | S83;P1.57#  S88;P1.47  S83;P1.56# |
| S83;P1.58 | LOADK(J+1) | 2ACLOADK(JPLUS1) | S83;P1.58#  S88;P1.17  S83;P1.57# |
| S83;P1.59 | SPLINEDONE | 2SLSP-LINEDONE | S80;P1.34  S83;P1.59  S83;P1.58# |
| S83;P1.60 | DDXB5 | 2DDXB5 | S50;P1.48  S65;P1.75  S83;P1.60 |
| S83;P1.62 | LDSLOPE | 2ACLDSLOPE | S83;P1.62#  S90;P1.69  S92;P1.62#  S81;P1.14# |
| S83;P1.63 | EDGE | 2ACEDGE | S79;P1.48  S83;P1.63#  S92;P1.69 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S83;P1.64 | LIGB | 2ACLIGB | S83;P1.64#  S88;P1.20 |
| S83;P1.65 | LIGHTB | 2ACLIGHTB | S83;P1.65#  S88;P1.76 |
| S83;P1.66 | *FEOX | *2ACFEOX | S81;P1.35  S83;P1.66# |
| S83;P1.67 | *FEOY | *2ACFEOY | S82;P1.35  S83;P1.67# |
| S83;P1.68 | *FE2X | *2ACFE2X | S81;P1.29  S83;P1.68# |
| S83;P1.69 | *FE2Y | *2ACFE2Y | S82;P1.29  S83;P1.69# |
| S83;P1.70 | *SHIFTB | *2ACSHIFTB | S83;P1.70#  S88;P1.75 |
| S83;P1.72 | *SHIFTA | *2ACSHIFTA | S83;P1.72#  S88;P1.77 |
| S83;P1.73 | NCOUNTDONE | 2SDONCOUNTDONE | S83;P1.73  S94;P1.3# |
| S83;P1.74 | PERMITLIGHT | 2OCPERMITLIGHT | S69;P1.38  S83;P1.74 |
| S83;P1.75 | *SPEXISTS | *2FGOITSME | S74;P1.66  S83;P1.75 |
| S83;P1.76 | DDYB7 | 2DDYB7 | S50;P1.36  S69;P1.58  S83;P1.76 |
| S83;P1.77 | FACE | 2ACFACE | S79;P1.47  S83;P1.77# |
| S83;P1.78 | UNBLANK | 2ACUNBLANK | S83;P1.78#  S94;P1.20 |
| S83;P1.79 | FORCEAVAIL | CMFORCEAVAIL | S19;P1.79  S46;P1.35  S83;P1.79 |
| S83;P1.80 | *DDYB6 | *2DDYB6 | S83;P1.80#  S90;P1.75  S92;P1.75 |
| S84;P1.2 | +5V84 | +5V84 | S84;P1.2  S84;P1.4 |
| S84;P1.3 | ELSEROUT0 | 2LA3ELSER0 | S84;P1.3  S86;P1.28 |
| S84;P1.4 | +5V84 | +5V84 | S84;P1.2  S84;P1.4 |
| S84;P1.5 | ADR1 | 2SLLAADR1 | S80;P1.17  S84;P1.5  S85;P1.5  S86;P1.5  S87;P1.5 |
| S84;P1.6 | ENDF2 | 2LA3GND | S84;P1.36  S84;P1.41  S84;P1.6 |
| S84;P1.7 | ADR0 | 2SLLAADR0 | S80;P1.15  S84;P1.7  S85;P1.7  S86;P1.7  S87;P1.7 |
| S84;P1.8 | *DIN4 | 2FD18 | S74;P1.75  S75;P1.75  S76;P1.75  S77;P1.75#  S78;P1.75#  S84;P1.8 |
| S84;P1.9 | *DIN5 | 2FD17 | S74;P1.62  S75;P1.62  S76;P1.62  S77;P1.62  S78;P1.77#  S84;P1.9 |
| S84;P1.10 | *DIN7 | 2FD4 | S85;P1.9  S86;P1.9  S87;P1.9  S78;P1.73#  S81;P1.30# |
| S84;P1.12 | WRITE | 2SLLAWRITE | S74;P1.22  S75;P1.22  S76;P1.22  S77;P1.22 |
| S84;P1.13 | END2 | 2PSEND2 | S82;P1.30#  S84;P1.10  S85;P1.10  S86;P1.10  S87;P1.10 |
| S84;P1.14 | END1 | 2PSEND1 | S80;P1.38  S84;P1.12  S85;P1.12  S86;P1.12  S87;P1.12 |
| S84;P1.15 | END0 | 2PSEND0 | S78;P1.39#  S84;P1.13  S85;P1.13  S86;P1.13  S87;P1.13 |
| S84;P1.16 | END3 | 2PSEND3 | S78;P1.56#  S84;P1.14  S85;P1.14  S86;P1.14  S87;P1.14 |
| S84;P1.17 | END4 | 2PSEND4 | S78;P1.53#  S84;P1.15  S85;P1.15  S86;P1.15  S87;P1.15 |
| S84;P1.18 | ENDF0 | 2LA3PUP | S78;P1.40#  S84;P1.16  S85;P1.16  S86;P1.16  S87;P1.16 |
| S84;P1.19 | ENDF1 | 2LA3PUP | S78;P1.46#  S84;P1.17  S85;P1.17  S86;P1.17  S87;P1.17 |
| S84;P1.20 | ELSEROUT1 | 2LA3ELSER1 | S84;P1.18  S84;P1.19  S84;P1.44  S84;P1.45  S84;P1.46  S81;P1.34# |
| S84;P1.22 | *DIN6 | 2FD5 | S84;P1.18  S84;P1.19  S84;P1.44  S84;P1.45  S84;P1.46 |
| S84;P1.23 | SEROUT | 2LA3SEROUT | S84;P1.20  S86;P1.24  S77;P1.19  S78;P1.74# |
| S84;P1.24 | ELSERIN1 | 2LAOELSER0 | S75;P1.19  S84;P1.22  S86;P1.22  S87;P1.22 |
| S84;P1.25 | *FIRSTSPAN | *2SLFIRST | S82;P1.34#  S84;P1.24  S87;P1.3 |
| S84;P1.26 | ELSEROUT2 | 2LA3ELSER2 | S84;P1.23  S86;P1.57 |
| S84;P1.28 | ELSERIN0 | 2SLSERLINK | S53;P1.23  S84;P1.26 |
| S84;P1.29 | ELSERIN2 | 2LAOELSER1 | S80;P1.60  S84;P1.25  S85;P1.25  S86;P1.25  S87;P1.25 |
| S84;P1.30 | *LASTSPAN | 2SLINCMSB | S84;P1.26  S85;P1.30  S86;P1.30  S87;P1.30 |
| S84;P1.34 | ELSEROUT3 | 2LA3ELSER3 | S80;P1.28  S84;P1.28 |
| S84;P1.35 | ELSERIN3 | 2LAOELSER2 | S53;P1.30  S84;P1.44 |
| S84;P1.36 | STF2 | 2LA3GND | S84;P1.6  S84;P1.36  S84;P1.41 |
| S84;P1.37 | ELSEROUT4 | 2LA3ELSER4 | S84;P1.34  S86;P1.47 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS (SLOT;CON.PIN_NO) |
|---|---|---|---|
| S84;P1.38 | ST2 | 2PSSTART2 | S78;P1.42# S84;P1.38 S85;P1.38 S86;P1.38 S87;P1.38 |
| S84;P1.39 | ST1 | 2PSSTART1 | S78;P1.63# S84;P1.39 S85;P1.39 S86;P1.39 S87;P1.39 |
| S84;P1.40 | ST0 | 2PSSTART0 | S78;P1.64# S84;P1.40 S85;P1.40 S86;P1.40 S87;P1.40 |
| S84;P1.41 | | 2LA3GND | S84;P1.36 S84;P1.41 S84;P1.6 |
| S84;P1.42 | ST3 | 2PSSTART3 | S78;P1.38# S84;P1.42 S85;P1.42 S86;P1.42 S87;P1.42 |
| S84;P1.43 | ST4 | 2PSSTART4 | S78;P1.44# S84;P1.43 S85;P1.43 S86;P1.43 S87;P1.43 |
| S84;P1.44 | STF0 | 2LA3PUP | S84;P1.18 S84;P1.19 S84;P1.44 S84;P1.45 S84;P1.46 |
| S84;P1.45 | STF1 | 2LA3PUP | S84;P1.18 S84;P1.19 S84;P1.44 S84;P1.45 S84;P1.46 |
| S84;P1.46 | PUP | 2LA3PUP | S84;P1.18 S84;P1.19 S84;P1.44 S84;P1.45 S84;P1.46 |
| S84;P1.47 | ELSERIN4 | 2LA0ELSER3 | S53;P1.26 S84;P1.47 S87;P1.34 |
| S84;P1.48 | ELSEROUT5 | 2LA3ELSER5 | S84;P1.48 S86;P1.52 |
| S84;P1.49 | CLRINP | 2SLCLRINP | S80;P1.27 S84;P1.49 S85;P1.49 S86;P1.49 S87;P1.49 |
| S84;P1.50 | SELWRT | 2SLSELWRT | S80;P1.37 S84;P1.50 S85;P1.50 S86;P1.50 S87;P1.50 |
| S84;P1.52 | ELSERIN5 | 2LA0ELSER4 | S53;P1.24 S84;P1.52 S87;P1.37 |
| S84;P1.53 | ELSERIN6 | 2LA0ELSER5 | S53;P1.22 S84;P1.53 S87;P1.48 |
| S84;P1.54 | ELSEROUT6 | 2LA3ELSER6 | S84;P1.54 S86;P1.53 |
| S84;P1.55 | *DEV | *2EFDEVB | S74;P1.72 S75;P1.72 S76;P1.72 S77;P1.72 S78;P1.13 S79;P1.30 S80;P1.79 S84;P1.55 S85;P1.55 S86;P1.55 S87;P1.55 |
| S84;P1.56 | ELSEROUT7 | 2LA3ELSER7 | S84;P1.56 S86;P1.63 |
| S84;P1.57 | SERIN | 2LA0ELSER8 | S53;P1.25 S84;P1.57 S87;P1.66 |
| S84;P1.58 | LOADOUT | 2SLLOADLAOUT | S80;P1.43 S84;P1.58 S85;P1.58 S86;P1.58 S87;P1.58 |
| S84;P1.59 | *DIN8 | 2FD3 | S74;P1.24 S75;P1.24 S76;P1.24 S77;P1.24 S78;P1.76# S81;P1.28# S82;P1.28# S84;P1.59 S85;P1.59 S86;P1.59 S87;P1.59 |
| S84;P1.62 | *DIN0 | 2FD14 | S74;P1.56 S75;P1.56 S76;P1.56 S77;P1.56 S78;P1.66# S84;P1.62 S85;P1.62 S86;P1.62 S87;P1.62 |
| S84;P1.63 | ELSERIN7 | 2LA0ELSER6 | S53;P1.29 S84;P1.63 S87;P1.54 |
| S84;P1.64 | ELSERIN8 | 2LA0ELSER7 | S53;P1.27 S84;P1.64 S87;P1.56 |
| S84;P1.65 | POKEOUT | 2SLPOKELAOUT | S80;P1.42 S84;P1.65 S85;P1.65 S86;P1.65 S87;P1.65 |
| S84;P1.66 | ELSEROUT8 | 2LA3ELSER8 | S84;P1.66 S86;P1.64 |
| S84;P1.68 | CLKINP | 2LA3CLKINP | S84;P1.68 S84;P1.70 |
| S84;P1.70 | CLK | 2LA3CLKINP | S84;P1.68 S84;P1.70 |
| S84;P1.71 | GROUND | 1TW*CMCLK4 | S10;P1.80 S11;P1.80 S14;P1.21 S15;P1.31 S16;P1.71 S20;P1.71 S21;P1.71 S22;P1.71 S23;P1.71 S26;P1.71 S46;P1.19 S47;P1.11 S5;P1.61 S69;P1.61 S6;P1.80 S70;P1.80 S71;P1.80 S74;P1.80 S75;P1.1 S75;P1.80 S78;P1.21 S79;P1.31 S7;P1.80 S80;P1.71 S84;P1.71 S85;P1.71 S86;P1.71 S87;P1.71 S12;P1.80 |
| S84;P1.72 | *CLKINP | *CMCLK4 | S10;P1.79 S11;P1.79 S14;P1.22 S15;P1.34 S16;P1.72 S20;P1.72 S21;P1.72 S22;P1.72 S23;P1.72 S46;P1.19 S6;P1.79 S70;P1.79 S71;P1.79 S74;P1.79 S75;P1.3 S75;P1.79 S85;P1.79 S79;P1.34 S7;P1.79 S80;P1.72 S84;P1.72 S86;P1.72 S87;P1.72 |
| S84;P1.73 | *DIN2 | 2FD15 | S74;P1.57 S75;P1.57 S76;P1.57 S77;P1.57 S78;P1.67# S84;P1.73 |
| S84;P1.74 | *DIN1 | 2FD12 | S74;P1.59 S75;P1.59 S76;P1.59 S77;P1.59 S78;P1.59 S84;P1.74 |
| S84;P1.75 | ADR2 | 2SLLAADR2 | S80;P1.19 S84;P1.75 S85;P1.75 S86;P1.75 S87;P1.75 |
| S84;P1.76 | *DIN3 | 2FD19 | S74;P1.78 S75;P1.78 S76;P1.78 S77;P1.78 S78;P1.69# S84;P1.76 |
| S84;P1.77 | ADR4 | 2SLLAADR4 | S80;P1.24 S84;P1.77 S85;P1.77 S86;P1.77 S87;P1.77 |
| S84;P1.78 | ADR3 | 2SLLAADR3 | S80;P1.22 S84;P1.78 S85;P1.78 S86;P1.78 S87;P1.78 |
| S84;P1.79 | ADR5 | 2SLLAADR5 | S80;P1.36 S84;P1.79 S85;P1.79 S86;P1.79 S87;P1.79 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S85;P1.2 | | +5V85 | S85;P1.2  S85;P1.4 |
| S85;P1.3 | ELSEROUT0 | 2LA2ELSER0 | S85;P1.3  S87;P1.28 |
| S85;P1.4 | | +5V85 | S85;P1.2  S85;P1.4 |
| S85;P1.5 | ADR1 | 2SLLAADR1 | S80;P1.17  S84;P1.5  S85;P1.5  S86;P1.5  S86;P1.36 |
| S85;P1.6 | ENDF2 | 2LA2GND | S85;P1.18  S85;P1.36  S85;P1.41  S85;P1.44 |
| S85;P1.7 | ADR0 | 2SLLAADR0 | S80;P1.15  S84;P1.7  S85;P1.7  S86;P1.7  S84;P1.8 |
| S85;P1.8 | *DIN4 | 2FD18 | S74;P1.75#  S75;P1.75#  S76;P1.75  S77;P1.75#  S78;P1.75#  S85;P1.8  S86;P1.8  S87;P1.8  S84;P1.9 |
| S85;P1.9 | *DIN5 | 2FD17 | S74;P1.62  S75;P1.62  S76;P1.62  S77;P1.62  S85;P1.9  S86;P1.9  S87;P1.9 |
| S85;P1.10 | *DIN7 | 2FD4 | S74;P1.22  S75;P1.22  S76;P1.22  S77;P1.22  S78;P1.73#  S82;P1.30#  S84;P1.10  S85;P1.10  S86;P1.10  S87;P1.10  S81;P1.30# |
| S85;P1.12 | WRITE | 2SLLAWRITE | S80;P1.38  S84;P1.12  S85;P1.12  S86;P1.12  S87;P1.12 |
| S85;P1.13 | END2 | 2PSEND2 | S78;P1.39#  S84;P1.13  S85;P1.13  S86;P1.13  S87;P1.13 |
| S85;P1.14 | END1 | 2PSEND1 | S78;P1.56#  S84;P1.14  S85;P1.14  S86;P1.14  S87;P1.14 |
| S85;P1.15 | END0 | 2PSEND0 | S78;P1.53#  S84;P1.15  S85;P1.15  S86;P1.15  S87;P1.15 |
| S85;P1.16 | END3 | 2PSEND3 | S78;P1.40#  S84;P1.16  S85;P1.16  S86;P1.16  S87;P1.16 |
| S85;P1.17 | END4 | 2PSEND4 | S78;P1.46#  S84;P1.17  S85;P1.17  S86;P1.17  S87;P1.17 |
| S85;P1.18 | ENDF0 | 2LA2GND | S85;P1.18  S85;P1.36  S85;P1.41  S85;P1.44 |
| S85;P1.19 | ENDF1 | 2LA2PUP | S85;P1.19  S85;P1.45  S85;P1.46 |
| S85;P1.20 | ELSEROUT1 | 2LA2ELSER1 | S85;P1.20  S87;P1.24  S85;P1.6 |
| S85;P1.22 | *DIN6 | 2FD5 | S74;P1.34#  S75;P1.19  S76;P1.19  S77;P1.19  S78;P1.74#  S82;P1.22  S84;P1.22  S85;P1.22  S86;P1.22  S87;P1.22  S81;P1.34# |
| S85;P1.23 | SEROUT | 2LA2SEROUT | S85;P1.23  S87;P1.57 |
| S85;P1.24 | ELSERIN1 | 2LA1ELSER1 | S85;P1.30  S85;P1.24 |
| S85;P1.25 | *FIRSTSPAN | *2SLFIRST | S80;P1.60  S84;P1.25  S85;P1.25  S86;P1.25  S87;P1.25 |
| S85;P1.26 | ELSEROUT2 | 2LA2ELSER2 | S85;P1.26  S87;P1.29 |
| S85;P1.28 | ELSERIN0 | 2LA1ELSER0 | S54;P1.23  S85;P1.28 |
| S85;P1.29 | ELSERIN2 | 2LA1ELSER2 | S54;P1.28  S85;P1.29 |
| S85;P1.30 | *LASTSPAN | 2SLINCMSB | S78;P1.65  S80;P1.44  S84;P1.30  S85;P1.30  S86;P1.30  S87;P1.30 |
| S85;P1.34 | ELSEROUT3 | 2LA2ELSER3 | S85;P1.34  S87;P1.35  S85;P1.44  S86;P1.36 |
| S85;P1.35 | ELSERIN3 | 2LA1ELSER3 | S54;P1.26  S85;P1.35 |
| S85;P1.36 | STF2 | 2LA2GND | S85;P1.18  S85;P1.36  S85;P1.41  S85;P1.44 |
| S85;P1.37 | ELSEROUT4 | 2LA2ELSER4 | S85;P1.37  S87;P1.47  S85;P1.6  S86;P1.36 |
| S85;P1.38 | ST2 | 2PSSTART2 | S78;P1.42#  S84;P1.38  S85;P1.38  S86;P1.38  S87;P1.38 |
| S85;P1.39 | ST1 | 2PSSTART1 | S78;P1.63#  S84;P1.39  S85;P1.39  S86;P1.39  S87;P1.39 |
| S85;P1.40 | ST0 | 2PSSTART0 | S78;P1.64#  S84;P1.40  S85;P1.40  S86;P1.40  S87;P1.40 |
| S85;P1.41 | | 2LA2GND | S85;P1.18  S85;P1.36  S85;P1.41  S85;P1.44  S85;P1.6 |
| S85;P1.42 | ST3 | 2PSSTART3 | S78;P1.38#  S84;P1.42  S85;P1.42  S86;P1.42  S87;P1.42 |
| S85;P1.43 | ST4 | 2PSSTART4 | S78;P1.44#  S84;P1.43  S85;P1.43  S86;P1.43  S87;P1.43 |
| S85;P1.44 | STF0 | 2LA2GND | S85;P1.18  S85;P1.36  S85;P1.41  S85;P1.44  S85;P1.6 |
| S85;P1.45 | STF1 | 2LA2PUP | S85;P1.19  S85;P1.45  S85;P1.46 |
| S85;P1.46 | PUP | 2LA2PUP | S85;P1.19  S85;P1.45  S85;P1.46  S86;P1.37 |
| S85;P1.47 | ELSERIN4 | 2LA1ELSER4 | S54;P1.24  S85;P1.47 |
| S85;P1.48 | ELSEROUT5 | 2LA2ELSER5 | S85;P1.48  S87;P1.52 |
| S85;P1.49 | CLRINP | 2SLCLRINP | S80;P1.27  S84;P1.49  S85;P1.49  S86;P1.49  S87;P1.49 |
| S85;P1.50 | SELWRT | 2SLSELWRT | S80;P1.37  S84;P1.50  S85;P1.50  S86;P1.50  S87;P1.50 |
| S85;P1.52 | ELSERIN5 | 2LA1ELSER5 | S54;P1.22  S85;P1.52 |
| S85;P1.53 | ELSERIN6 | 2LA1ELSER6 | S54;P1.29  S85;P1.53 |
| S85;P1.54 | ELSEROUT6 | 2LA2ELSER6 | S85;P1.54  S87;P1.53 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S85;P1.55 | *DEV | *2EFDEVB | S74;P1.72  S75;P1.72  S76;P1.72  S77;P1.72  S78;P1.13  S79;P1.30  S80;P1.79  S84;P1.55  S85;P1.55  S86;P1.55  S87;P1.55 |
| S85;P1.56 | ELSEROUT7 | 2LA2ELSER7 | S85;P1.56  S85;P1.63 |
| S85;P1.57 | SERIN | 2LA1SEROUT | S85;P1.57  S86;P1.23  S87;P1.56 |
| S85;P1.58 | LOADOUT | 2SLLOADLAOUT | S80;P1.43  S85;P1.58  S86;P1.58  S87;P1.58  S81;P1.28# |
| S85;P1.59 | *DIN8 | 2FD3 | S74;P1.24  S75;P1.24  S76;P1.24  S77;P1.24  S78;P1.76#  S82;P1.28#  S85;P1.59  S86;P1.59  S87;P1.59 |
| S85;P1.62 | *DIN0 | 2FD14 | S74;P1.56  S75;P1.56  S76;P1.56  S77;P1.56  S78;P1.66#  S84;P1.62  S85;P1.62  S86;P1.62  S87;P1.62 |
| S85;P1.63 | ELSERIN7 | 2LA1ELSER7 | S54;P1.27  S85;P1.27 |
| S85;P1.64 | ELSERIN8 | 2LA1ELSER8 | S85;P1.25  S85;P1.64 |
| S85;P1.65 | POKEOUT | 2SLPOKELAOUT | S80;P1.42  S84;P1.65  S85;P1.65  S86;P1.65  S87;P1.65 |
| S85;P1.66 | ELSEROUT8 | 2IA2ELSER8 | S85;P1.66  S85;P1.64  S86;P1.66  S87;P1.64 |
| S85;P1.68 | CLKINP | 2LA2CLKINP | S85;P1.68  S85;P1.70  S85;P1.68 |
| S85;P1.70 | CLK | 2LA2CLKINP | S85;P1.68  S85;P1.70 |
| S85;P1.71 | GROUND | 1TW*CMCLK4 | S5;P1.61  S6;P1.80  S10;P1.80  S11;P1.80  S12;P1.80  S15;P1.31  S16;P1.71  S20;P1.71  S21;P1.71  S22;P1.71  S23;P1.71  S26;P1.71  S46;P1.21  S47;P1.11  S69;P1.61  S70;P1.80  S71;P1.80  S74;P1.80  S75;P1.1  S75;P1.80  S78;P1.21  S79;P1.31  S79;P1.80  S80;P1.71 |
| S85;P1.72 | *CLKINP | *CMCLK4 | S7;P1.79  S10;P1.79  S11;P1.79  S14;P1.22  S15;P1.34  S16;P1.72  S20;P1.72  S21;P1.72  S22;P1.72  S23;P1.72  S46;P1.19  S70;P1.79  S71;P1.79  S74;P1.79  S75;P1.3  S75;P1.79  S78;P1.22  S79;P1.34  S80;P1.72  S84;P1.72  S85;P1.72  S86;P1.72  S87;P1.72 |
| S85;P1.73 | *DIN2 | 2FD15 | S74;P1.57  S75;P1.57  S76;P1.57  S77;P1.57  S78;P1.68#  S84;P1.73  S85;P1.73  S86;P1.73 |
| S85;P1.74 | *DIN1 | 2FD12 | S74;P1.59  S75;P1.59  S76;P1.59  S77;P1.59  S78;P1.67#  S84;P1.74  S85;P1.74  S86;P1.74 |
| S85;P1.75 | ADR2 | 2SLLAADR2 | S80;P1.19  S84;P1.75  S85;P1.75  S86;P1.75  S87;P1.75 |
| S85;P1.76 | *DIN3 | 2FD19 | S74;P1.78  S75;P1.78  S76;P1.78  S77;P1.78  S78;P1.69#  S84;P1.76  S85;P1.76  S86;P1.76 |
| S85;P1.77 | ADR4 | 2SLLAADR4 | S80;P1.24  S84;P1.77  S85;P1.77  S86;P1.77  S87;P1.77 |
| S85;P1.78 | ADR3 | 2SLLAADR3 | S80;P1.22  S84;P1.78  S85;P1.78  S86;P1.78  S87;P1.78 |
| S85;P1.79 | ADR5 | 2SLLAADR5 | S80;P1.36  S84;P1.79  S85;P1.79  S86;P1.79  S87;P1.79 |
| S86;P1.2 | +5V86 | +5V86 | S86;P1.2  S86;P1.4 |
| S86;P1.3 | ELSEROUT0 | 2LA1ELSER0 | S54;P1.23  S85;P1.23  S86;P1.3 |
| S86;P1.4 | +5V86 | +5V86 | S86;P1.2  S86;P1.4 |
| S86;P1.5 | ADR1 | 2SLLAADR1 | S80;P1.17  S84;P1.5  S85;P1.5  S86;P1.5  S87;P1.5 |
| S86;P1.6 | ENDF2 | 2LA1GND | S86;P1.19  S86;P1.41  S86;P1.45  S86;P1.6 |
| S86;P1.7 | ADR0 | 2SLLAADR0 | S80;P1.15  S84;P1.7  S85;P1.7  S86;P1.7  S87;P1.7 |
| S86;P1.8 | *DIN4 | 2FD18 | S74;P1.75  S75;P1.75  S76;P1.75  S77;P1.75  S78;P1.75#  S84;P1.8  S85;P1.8  S86;P1.8  S87;P1.8 |
| S86;P1.9 | *DIN5 | 2FD17 | S74;P1.62  S75;P1.62  S76;P1.62  S77;P1.62  S78;P1.77#  S84;P1.9  S85;P1.9  S86;P1.9  S87;P1.9 |
| S86;P1.10 | *DIN7 | 2FD4 | S74;P1.22  S75;P1.22  S76;P1.22  S77;P1.22  S78;P1.73#  S82;P1.30#  S85;P1.10  S86;P1.10  S87;P1.10  S81;P1.30# |
| S86;P1.12 | WRITE | 2SLLAWRITE | S80;P1.38  S84;P1.12  S85;P1.12  S86;P1.12  S87;P1.12 |
| S86;P1.13 | END2 | 2PSEND2 | S78;P1.39#  S84;P1.13  S85;P1.13  S86;P1.13  S87;P1.13 |
| S86;P1.14 | END1 | 2PSEND1 | S78;P1.56#  S84;P1.14  S85;P1.14  S86;P1.14  S87;P1.14 |
| S86;P1.15 | END0 | 2PSEND0 | S78;P1.53#  S84;P1.15  S85;P1.15  S86;P1.15  S87;P1.15 |

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STRING PINS BY SLOT;CON.PIN NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN NO |
|---|---|---|---|
| S86;P1.16 | END3 | 2PSEND3 | S78;P1.40#  S84;P1.16  S85;P1.16  S86;P1.16  S87;P1.16 |
| S86;P1.17 | END4 | 2PSEND4 | S78;P1.46#  S84;P1.17  S85;P1.17  S86;P1.17  S87;P1.17 |
| S86;P1.18 | ENDF0 | 2LA1PUP | S86;P1.18  S86;P1.44  S86;P1.46  S86;P1.6  S86;P1.6 |
| S86;P1.19 | ENDF1 | 2LA1GND | S86;P1.19  S86;P1.41  S86;P1.45 |
| S86;P1.20 | ELSEROUT1 | 2LA1ELSER1 | S54;P1.30  S85;P1.24  S86;P1.20 |
| S86;P1.22 | *DIN6 | 2FD5 | S74;P1.19  S75;P1.19  S76;P1.19  S77;P1.19  S78;P1.74#  S81;P1.34#  S82;P1.34#  S84;P1.22  S85;P1.22  S86;P1.22  S87;P1.22 |
| S86;P1.23 | SEROUT | 2LA1SEROUT | S85;P1.57  S85;P1.23 |
| S86;P1.24 | ELSERIN1 | 2LA3ELSER1 | S84;P1.20  S84;P1.24 |
| S86;P1.25 | *FIRSTSPAN | *2SLFIRST | S80;P1.60  S84;P1.25  S85;P1.25  S86;P1.25  S87;P1.25 |
| S86;P1.26 | ELSEROUT2 | 2LA1ELSER2 | S54;P1.28  S85;P1.29  S86;P1.26 |
| S86;P1.28 | ELSERIN0 | 2LA3ELSER0 | S84;P1.3  S86;P1.28 |
| S86;P1.29 | ELSERIN2 | 2LA3ELSER2 | S84;P1.26  S86;P1.29 |
| S86;P1.30 | *LASTSPAN | 2SLINCMSB | S78;P1.65  S84;P1.30  S85;P1.30  S86;P1.30  S87;P1.30 |
| S86;P1.34 | ELSEROUT3 | 2LA1ELSER3 | S54;P1.26  S85;P1.35  S86;P1.34 |
| S86;P1.35 | ELSERIN3 | 2LA3ELSER3 | S84;P1.34  S86;P1.35 |
| S86;P1.36 | STF2 | 2LA2GND | S85;P1.18  S85;P1.44  S86;P1.6  S85;P1.6  S86;P1.36 |
| S86;P1.37 | ELSEROUT4 | 2LA1ELSER4 | S54;P1.24  S85;P1.47  S86;P1.37 |
| S86;P1.38 | ST2 | 2PSSTART2 | S78;P1.42#  S84;P1.38  S85;P1.38  S86;P1.38  S87;P1.38 |
| S86;P1.39 | ST1 | 2PSSTART1 | S78;P1.63#  S84;P1.39  S85;P1.39  S86;P1.39  S87;P1.39 |
| S86;P1.40 | ST0 | 2PSSTART0 | S78;P1.64#  S84;P1.40  S85;P1.40  S86;P1.40  S87;P1.40 |
| S86;P1.41 |  | 2LA1GND | S86;P1.19  S86;P1.41  S86;P1.45 |
| S86;P1.42 | ST3 | 2PSSTART3 | S78;P1.38#  S84;P1.42  S85;P1.42  S86;P1.42  S87;P1.42 |
| S86;P1.43 | ST4 | 2PSSTART4 | S78;P1.44#  S84;P1.43  S85;P1.43  S86;P1.43  S87;P1.43 |
| S86;P1.44 | STF0 | 2LA1PUP | S86;P1.18  S86;P1.44  S86;P1.46  S86;P1.6 |
| S86;P1.45 | STF1 | 2LA1GND | S86;P1.19  S86;P1.41  S86;P1.45 |
| S86;P1.46 | PUP | 2LA1PUP | S86;P1.18  S86;P1.44  S86;P1.46  S86;P1.6 |
| S86;P1.47 | ELSERIN4 | 2LA3ELSER4 | S84;P1.37  S86;P1.47 |
| S86;P1.48 | ELSEROUT5 | 2LA1ELSER5 | S54;P1.22  S85;P1.52  S86;P1.48 |
| S86;P1.49 | CLRINP | 2SLCLRINP | S80;P1.27  S84;P1.49  S85;P1.49  S86;P1.49  S87;P1.49 |
| S86;P1.50 | SELWRT | 2SLSELWRT | S80;P1.37  S84;P1.50  S85;P1.50  S86;P1.50  S87;P1.50 |
| S86;P1.52 | ELSERIN5 | 2LA3ELSER5 | S84;P1.48  S86;P1.52 |
| S86;P1.53 | ELSERIN6 | 2LA3ELSER6 | S84;P1.54  S86;P1.53 |
| S86;P1.54 | ELSEROUT6 | 2LA1ELSER6 | S54;P1.29  S85;P1.53  S86;P1.54 |
| S86;P1.55 | *DEV | *2EFDEVB | S74;P1.72  S76;P1.72  S77;P1.72  S78;P1.13  S79;P1.30 |
| S86;P1.56 | ELSEROUT7 | 2LA1ELSER7 | S80;P1.79  S84;P1.55  S85;P1.55  S86;P1.55  S87;P1.55 |
| S86;P1.57 | SERIN | 2LA3SEROUT | S54;P1.27  S85;P1.57  S86;P1.56 |
| S86;P1.58 | LOADOUT | 2SLLOADLAOUT | S80;P1.43  S84;P1.58  S85;P1.58  S86;P1.58  S87;P1.58 |
| S86;P1.59 | *DIN8 | 2FD3 | S74;P1.24  S75;P1.24  S76;P1.24  S77;P1.24  S78;P1.76#  S81;P1.28#  S82;P1.28#  S84;P1.59  S85;P1.59  S86;P1.59  S87;P1.59 |
| S86;P1.62 | *DIN0 | 2FD14 | S74;P1.56  S75;P1.56  S76;P1.56  S77;P1.56  S78;P1.66#  S84;P1.62 |
| S86;P1.63 | ELSERIN7 | 2LA3ELSER7 | S85;P1.62  S86;P1.63 |
| S86;P1.64 | ELSERIN8 | 2LA3ELSER8 | S84;P1.56  S86;P1.64 |
| S86;P1.65 | POKEOUT | 2SLPOKELAOUT | S80;P1.42  S84;P1.65  S85;P1.65  S86;P1.65  S87;P1.65 |
| S86;P1.66 | ELSEROUT8 | 2LA1ELSER8 | S54;P1.25  S84;P1.66  S85;P1.66  S86;P1.66 |
| S86;P1.68 | CLKINP | 2LA1CLKINP | S86;P1.68  S86;P1.70 |
| S86;P1.70 | CLK | 2LA1CLKINP | S86;P1.68  S86;P1.70 |
| S86;P1.71 | GROUND | 1TW*CMCLK4 | S10;P1.80  S11;P1.80  S14;P1.21  S15;P1.31  S16;P1.71  S20;P1.71 |

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SP1T DP

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME |
|---|---|---|
| S86;P1.72 | *CLKINP | *CMCLK4 |
| S86;P1.73 | *DIN2 | 2FD15 |
| S86;P1.74 | *DIN1 | 2FD12 |
| S86;P1.75 | ADR2 | 2SLLAADR2 |
| S86;P1.76 | *DIN3 | 2FD19 |
| S86;P1.77 | ADR4 | 2SLLAADR4 |
| S86;P1.78 | ADR3 | 2SLLAADR3 |
| S86;P1.79 | ADR5 | 2SLLAADR5 |
| S87;P1.2 | +5V87 | +5V87 |
| S87;P1.3 | ELSEROUT0 | 2LA0ELSER0 |
| S87;P1.4 | | +5V87 |
| S87;P1.5 | ADR1 | 2SLLAADR1 |
| S87;P1.6 | ENDF2 | 2LA0GND |
| S87;P1.7 | ADR0 | 2SLLAADR0 |
| S87;P1.8 | *DIN4 | 2FD18 |
| S87;P1.9 | *DIN5 | 2FD17 |
| S87;P1.10 | *DIN7 | 2FD4 |
| S87;P1.12 | WRITE | 2SLLAWRITE |
| S87;P1.13 | END2 | 2PSEND2 |
| S87;P1.14 | END1 | 2PSEND1 |
| S87;P1.15 | END0 | 2PSEND0 |
| S87;P1.16 | END3 | 2PSEND3 |
| S87;P1.17 | END4 | 2PSEND4 |
| S87;P1.18 | ENDF0 | 2LA0GND |
| S87;P1.19 | ENDF1 | 2LA0GND |
| S87;P1.20 | ELSEROUT1 | 2LA0ELSER1 |
| S87;P1.22 | *DIN6 | 2FD5 |
| S87;P1.23 | SEROUT | 2LA0SEROUT |
| S87;P1.24 | ELSERIN1 | 2LA2ELSER1 |
| S87;P1.25 | *FIRSTSPAN | *2SLFIRST |
| S87;P1.26 | ELSEROUT2 | 2LA0ELSER2 |
| S87;P1.28 | ELSERIN0 | 2LA2ELSER0 |
| S87;P1.29 | ELSERIN2 | 2LA2ELSER2 |

STRING PINS BY SLOT;CON.PIN_NO (six-column listing, read top-to-bottom):

| col 1 | col 2 | col 3 | col 4 | col 5 | col 6 |
|---|---|---|---|---|---|
| S21;P1.71 | S22;P1.71 | S23;P1.71 | S26;P1.71 | S46;P1.21 | S47;P1.11 |
| S5;P1.61 | S69;P1.61 | S6;P1.80 | S70;P1.80 | S71;P1.80 | S74;P1.80 |
| S75;P1.1 | S75;P1.80 | S78;P1.21 | S79;P1.31 | S7;P1.80 | S80;P1.71 |
| S84;P1.71 | S85;P1.71 | S86;P1.71 | S87;P1.71 | S12;P1.80 | |
| S10;P1.79 | S11;P1.79 | S14;P1.22 | S15;P1.34 | S16;P1.72 | S20;P1.72 |
| S21;P1.72 | S22;P1.72 | S23;P1.72 | S46;P1.19 | S6;P1.79 | S70;P1.79 |
| S71;P1.79 | S74;P1.79 | S75;P1.3 | S75;P1.79 | S78;P1.22 | S79;P1.34 |
| S7;P1.79 | S80;P1.72 | S84;P1.72 | S85;P1.72 | S86;P1.72 | S87;P1.72 |
| S74;P1.57 | S75;P1.57 | S76;P1.78 | S85;P1.78 | S78;P1.68# | S84;P1.73 |
| S85;P1.73 | S86;P1.73 | S87;P1.74 | S86;P1.77 | S78;P1.67# | |
| S74;P1.59 | S86;P1.59 | S87;P1.59 | S77;P1.59 | S86;P1.75 | S84;P1.74 |
| S85;P1.74 | S86;P1.74 | S87;P1.74 | S85;P1.75 | S78;P1.69# | |
| S80;P1.19 | S84;P1.75 | S85;P1.75 | S86;P1.77 | S86;P1.77 | S84;P1.76 |
| S74;P1.78 | S75;P1.78 | S76;P1.78 | S85;P1.78 | S86;P1.78 | |
| S85;P1.76 | S86;P1.76 | S85;P1.79 | S85;P1.79 | S86;P1.79 | |
| S80;P1.24 | S84;P1.77 | S85;P1.77 | | | |
| S80;P1.22 | S84;P1.78 | S85;P1.78 | | | |
| S80;P1.36 | S84;P1.79 | S85;P1.79 | | | |
| S87;P1.2 | S87;P1.4 | S87;P1.3 | | | |
| S53;P1.23 | S84;P1.24 | S84;P1.24 | | | |
| S87;P1.2 | S87;P1.2 | S87;P1.4 | | S87;P1.5 | S87;P1.45 |
| S80;P1.17 | S84;P1.17 | S84;P1.5 | | S87;P1.44 | |
| S87;P1.18 | S87;P1.19 | S87;P1.19 | | S87;P1.7 | S84;P1.8 |
| S87;P1.6 | S87;P1.6 | S87;P1.6 | | S78;P1.75# | S84;P1.9 |
| S80;P1.15 | S84;P1.75 | S84;P1.7 | S86;P1.7 | S87;P1.7 | |
| S74;P1.75 | S86;P1.8 | S75;P1.75 | S77;P1.75 | S78;P1.75# | |
| S85;P1.8 | S87;P1.9 | S86;P1.8 | S87;P1.8 | | |
| S74;P1.62 | S76;P1.22 | S75;P1.62 | S76;P1.62 | S77;P1.62 | S78;P1.77# |
| S85;P1.9 | S86;P1.9 | S86;P1.9 | S87;P1.9 | | |
| S74;P1.22 | S75;P1.22 | S75;P1.22 | S76;P1.22 | S77;P1.22 | S78;P1.73# |
| S82;P1.30# | | | | S78;P1.73# | S81;P1.30# |
| S80;P1.38 | S84;P1.10 | S84;P1.13 | S85;P1.12 | S86;P1.12 | S87;P1.10 |
| S78;P1.39# | S84;P1.13 | S85;P1.13 | S85;P1.13 | S86;P1.13 | S87;P1.12 |
| S78;P1.56# | S84;P1.14 | S85;P1.14 | S85;P1.14 | S86;P1.14 | S87;P1.13 |
| S78;P1.53# | S84;P1.15 | S85;P1.15 | S85;P1.15 | S86;P1.15 | S87;P1.14 |
| S78;P1.40# | S84;P1.16 | S85;P1.16 | S85;P1.16 | S86;P1.16 | S87;P1.15 |
| S78;P1.46# | S84;P1.17 | S85;P1.17 | S85;P1.17 | S86;P1.17 | S87;P1.16 |
| S87;P1.18 | S87;P1.19 | S87;P1.19 | S87;P1.36 | S87;P1.41 | S87;P1.17 |
| S87;P1.18 | S87;P1.18 | S87;P1.18 | S87;P1.36 | S87;P1.44 | S87;P1.45 |
| S87;P1.6 | S87;P1.6 | S87;P1.6 | S87;P1.41 | S87;P1.44 | S87;P1.45 |
| S53;P1.30 | S84;P1.29 | S87;P1.18 | | | |
| S74;P1.19 | S75;P1.19 | S75;P1.19 | S76;P1.19 | S77;P1.19 | S78;P1.74# |
| S82;P1.34# | S84;P1.22 | S82;P1.34# | S85;P1.22 | S86;P1.22 | S81;P1.34# |
| S78;P1.25 | S87;P1.23 | S87;P1.23 | S78;P1.25 | S87;P1.22 | |
| S85;P1.20 | S87;P1.24 | S87;P1.24 | S87;P1.24 | | |
| S80;P1.60 | S84;P1.25 | S87;P1.25 | S85;P1.25 | S86;P1.25 | S87;P1.25 |
| S53;P1.28 | S84;P1.35 | S84;P1.25 | S87;P1.26 | | |
| S85;P1.3 | S87;P1.28 | S87;P1.28 | S85;P1.28 | | |
| S85;P1.26 | S87;P1.29 | S87;P1.29 | S85;P1.26 | | |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | | | | |
|---|---|---|---|---|---|---|---|---|
| S87;P1.30 | *LASTSPAN | 2SLINCMSB | S78;P1.65 | S80;P1.44 | S84;P1.30 | S85;P1.30 | S86;P1.30 | S87;P1.30 |
| S87;P1.34 | ELSEROUT3 | 2LA0ELSER3 | S53;P1.26 | S84;P1.47 | S84;P1.34 | S85;P1.30 | | |
| S87;P1.35 | ELSERIN3 | 2LA2ELSER3 | S85;P1.34 | S87;P1.35 | S87;P1.34 | | | |
| S87;P1.36 | STF2 | 2LA0GND | S87;P1.18 | S87;P1.19 | S87;P1.36 | S87;P1.41 | S87;P1.44 | S87;P1.45 |
| S87;P1.37 | ELSEROUT4 | 2LA0ELSER4 | S87;P1.6 | S84;P1.52 | S87;P1.37 | | | |
| S87;P1.38 | ST2 | 2PSSTART2 | S53;P1.24 | S84;P1.38 | S85;P1.38 | S86;P1.38 | S87;P1.38 | |
| S87;P1.39 | ST1 | 2PSSTART1 | S78;P1.42# | S84;P1.39 | S85;P1.39 | S86;P1.39 | S87;P1.39 | |
| S87;P1.40 | ST0 | 2PSSTART0 | S78;P1.63# | S84;P1.40 | S85;P1.40 | S86;P1.40 | S87;P1.40 | |
| S87;P1.41 | | 2LA0GND | S78;P1.64# | S87;P1.19 | S87;P1.36 | S87;P1.41 | S87;P1.44 | |
| S87;P1.42 | ST3 | 2PSSTART3 | S78;P1.38# | S84;P1.42 | S85;P1.42 | S86;P1.42 | S87;P1.42 | |
| S87;P1.43 | ST4 | 2PSSTART4 | S78;P1.44# | S84;P1.43 | S85;P1.43 | S86;P1.43 | S87;P1.43 | |
| S87;P1.44 | STF0 | 2LA0GND | S87;P1.18 | S87;P1.19 | S87;P1.36 | S87;P1.41 | S87;P1.44 | |
| S87;P1.45 | STF1 | 2LA0GND | S87;P1.18 | S87;P1.19 | S87;P1.36 | S87;P1.41 | S87;P1.44 | S87;P1.45 |
| S87;P1.47 | ELSERIN4 | 2LA2ELSER4 | S85;P1.37 | S87;P1.47 | S87;P1.48 | | | |
| S87;P1.48 | ELSEROUT5 | 2LA0ELSER5 | S53;P1.22 | S84;P1.53 | S85;P1.49 | | | |
| S87;P1.49 | CLRINP | 2SLCLRINP | S80;P1.27 | S84;P1.49 | S85;P1.49 | S86;P1.49 | S87;P1.49 | |
| S87;P1.50 | SELWRT | 2SLSELWRT | S85;P1.48 | S87;P1.52 | S85;P1.50 | S86;P1.50 | S87;P1.50 | |
| S87;P1.52 | ELSERIN5 | 2LA2ELSER5 | S85;P1.54 | S87;P1.53 | | | | |
| S87;P1.53 | ELSERIN6 | 2LA2ELSER6 | S53;P1.29 | S84;P1.63 | | | | |
| S87;P1.54 | ELSEROUT6 | 2LA0ELSER6 | S74;P1.72 | S75;P1.72 | S87;P1.54 | S77;P1.72 | S78;P1.13 | S79;P1.30 |
| S87;P1.55 | *DEV | *2EFDEVB | S80;P1.79 | S84;P1.55 | S76;P1.72 | S86;P1.55 | S87;P1.55 | |
| S87;P1.56 | ELSEROUT7 | 2LA0ELSER7 | S53;P1.27 | S84;P1.64 | S85;P1.55 | | | |
| S87;P1.57 | SERIN | 2LA2SEROUT | S85;P1.23 | S87;P1.57 | S87;P1.56 | | | |
| S87;P1.58 | LOADOUT | 2SLLOADLAOUT | S80;P1.43 | S84;P1.58 | S85;P1.58 | S86;P1.58 | S87;P1.58 | S81;P1.28# |
| S87;P1.59 | *DIN8 | 2FD3 | S74;P1.24 | S75;P1.24 | S76;P1.24 | S77;P1.24 | S78;P1.76# | |
| | | | S82;P1.28# | S84;P1.59 | S85;P1.59 | S86;P1.59 | S87;P1.59 | |
| S87;P1.62 | *DIN0 | 2FD14 | S74;P1.56 | S75;P1.56 | S76;P1.56 | S77;P1.56 | S78;P1.66# | S84;P1.62 |
| | | | | S84;P1.62 | S87;P1.62 | | | |
| S87;P1.63 | ELSERIN7 | 2LA2ELSER7 | S85;P1.62 | S86;P1.62 | | | | |
| S87;P1.64 | ELSERIN8 | 2LA2ELSER8 | S85;P1.56 | S87;P1.63 | | | | |
| S87;P1.65 | POKEOUT | 2SLPOKELAOUT | S85;P1.66 | S87;P1.64 | S85;P1.65 | S86;P1.65 | S87;P1.65 | |
| S87;P1.66 | ELSEROUT8 | 2LA0ELSER8 | S80;P1.42 | S84;P1.65 | S87;P1.66 | | | |
| S87;P1.68 | CLKINP | 2LA0CLKINP | S53;P1.25 | S84;P1.57 | | | | |
| | | | S87;P1.68 | S87;P1.70 | | | | |
| S87;P1.70 | CLK | 2LA0CLKINP | S87;P1.68 | S87;P1.70 | | | | |
| S87;P1.71 | GROUND | 1TW*CMCLK4 | S10;P1.80 | S11;P1.80 | S14;P1.21 | S15;P1.31 | S16;P1.71 | S20;P1.71 |
| | | | S21;P1.71 | S22;P1.71 | S23;P1.71 | S26;P1.21 | S46;P1.21 | S47;P1.11 |
| | | | S5;P1.61 | S69;P1.61 | S6;P1.80 | S70;P1.80 | S71;P1.80 | S74;P1.80 |
| | | | S75;P1.80 | S75;P1.80 | S78;P1.21 | S79;P1.31 | S7;P1.80 | S80;P1.71 |
| | | | S84;P1.71 | S85;P1.71 | S86;P1.71 | S87;P1.71 | S12;P1.80 | |
| S87;P1.72 | *CLKINP | *CMCLK4 | S10;P1.79 | S11;P1.79 | S14;P1.22 | S15;P1.34 | S16;P1.72 | S20;P1.72 |
| | | | S21;P1.72 | S22;P1.72 | S23;P1.72 | S46;P1.19 | S6;P1.79 | S70;P1.79 |
| | | | S74;P1.79 | S74;P1.79 | S75;P1.3 | S75;P1.79 | S78;P1.22 | S79;P1.34 |
| | | | S7;P1.79 | S80;P1.72 | S84;P1.72 | S85;P1.72 | S86;P1.72 | S87;P1.72 |
| S87;P1.73 | *DIN2 | 2FD15 | S74;P1.57 | S75;P1.57 | S76;P1.57 | S77;P1.57 | S84;P1.73 | |
| | | | S85;P1.73 | S86;P1.73 | S87;P1.73 | S78;P1.68# | | |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S87;P1.74 | *DIN1 | 2FD12 | S74;P1.59  S75;P1.59  S76;P1.59  S77;P1.59  S78;P1.67#  S84;P1.74 |
| S87;P1.75 | ADR2 | 2SLLAADR2 | S85;P1.74  S86;P1.74  S87;P1.74  S84;P1.75  S85;P1.75  S86;P1.75  S87;P1.75 |
| S87;P1.76 | *DIN3 | 2FD19 | S80;P1.19  S84;P1.75  S85;P1.75  S76;P1.75  S77;P1.78  S78;P1.69#  S84;P1.76 |
| S87;P1.77 | ADR4 | 2SLLAADR4 | S80;P1.24  S84;P1.77  S85;P1.77  S86;P1.77  S87;P1.77 |
| S87;P1.78 | ADR3 | 2SLLAADR3 | S80;P1.22  S84;P1.78  S85;P1.78  S86;P1.78  S87;P1.78 |
| S87;P1.79 | ADR5 | 2SLLAADR5 | S80;P1.36  S84;P1.79  S85;P1.79  S86;P1.79  S87;P1.79 |
| S88;P1.3 | +15VIN | +15V6 | B120;P1.48  S88;P1.3 |
| S88;P1.4 | GROUNDA | AGND6 | B121;P1.47  S88;P1.4 |
| S88;P1.5 | LDLIGHT | 2ACLDLIGHT | S83;P1.12#  S88;P1.5 |
| S88;P1.6 | -15VIN | -15V6 | B112;P1.47  S88;P1.6 |
| S88;P1.7 | DDXB0 | 2OSLB0 | S65;P1.64#  S88;P1.7 |
| S88;P1.8 | DDXB1 | 2OSLB1 | S65;P1.66#  S88;P1.8 |
| S88;P1.9 | AISEROUT | 2AISEROUT | S88;P1.9#  S90;P1.68 |
| S88;P1.10 | DDXB7 | 2OSLB7 | S65;P1.80#  S88;P1.10 |
| S88;P1.12 | DDXB4 | 2OSLB4 | S65;P1.74#  S88;P1.12 |
| S88;P1.13 | DDXB3 | 2OSLB3 | S65;P1.70#  S88;P1.13 |
| S88;P1.14 | DDXB6 | 2OSLB6 | S65;P1.78#  S88;P1.14 |
| S88;P1.15 | DDXB5 | 2OSLB5 | S65;P1.76#  S88;P1.15 |
| S88;P1.16 | DDXB2 | 2OSLB2 | S65;P1.68#  S88;P1.16 |
| S88;P1.17 | LOADK(J+1) | 2ACLOADK(JPLUS1) | S82;P1.54#  S88;P1.17 |
| S88;P1.18 | DDYA15 | 2DDYA15 | S81;P1.3  S88;P1.58#  S83;P1.18# |
| S88;P1.19 | ENABCTBETA | 2ACDRAWSURF | S50;P1.29  S92;P1.74  S69;P1.50  S80;P1.29  S88;P1.50  S88;P1.29  S90;P1.74 |
| S88;P1.20 | LIGB | 2ACLIGB | S83;P1.64#  S83;P1.20  S88;P1.20 |
| S88;P1.22 | CTXTOY | 2ACCTXTOY | S83;P1.28#  S88;P1.22 |
| S88;P1.23 | DDXK4 | 2DDXK4 | S81;P1.74#  S88;P1.23 |
| S88;P1.24 | DDYK4 | 2DDYK4 | S82;P1.74#  S88;P1.24 |
| S88;P1.25 | *BETACARRY | *2AIBETACARRY | S83;P1.15  S88;P1.25# |
| S88;P1.26 | *LDBETA | *2ACLDBETA | S83;P1.23#  S88;P1.26 |
| S88;P1.28 | GROUNDA | 1TW2AIOUT1 | S88;P1.28  S94;P1.73  S96;P1.73 |
| S88;P1.29 | AIOUT1 | 2AIOUT1 | S88;P1.29  S94;P1.74 |
| S88;P1.30 | AIOUT2 | 2AIOUT2 | S88;P1.30  S96;P1.74 |
| S88;P1.33 | BETA3 | 2SD0BETA3 | S88;P1.33  S94;P1.7# |
| S88;P1.34 | BETA4 | 2SD0BETA4 | S88;P1.34  S94;P1.9# |
| S88;P1.35 | BETA1 | 2SD0BETA1 | S88;P1.35  S94;P1.14# |
| S88;P1.36 | BETA2 | 2SD0BETA2 | S88;P1.36  S94;P1.13# |
| S88;P1.37 | LAOELSER8 | 2TG0INT8 | S53;P1.12#  S66;P1.43  S67;P1.43  S88;P1.37 |
| S88;P1.38 | LA1ELSER8 | 2TG1INT8 | S54;P1.12#  S66;P1.45  S67;P1.45  S88;P1.38 |
| S88;P1.39 | LA1ELSER4 | 2TG1INT4 | S54;P1.7#  S88;P1.39 |
| S88;P1.40 | LOADKI | 2ACLDKI | S83;P1.10#  S88;P1.40 |
| S88;P1.42 | LAOELSER4 | 2TG0INT4 | S53;P1.7#  S88;P1.42 |
| S88;P1.43 | LAOELSER6 | 2TG0INT6 | S53;P1.16#  S66;P1.42  S67;P1.42  S88;P1.43 |
| S88;P1.44 | LA1ELSER6 | 2TG1INT6 | S54;P1.16#  S66;P1.44  S67;P1.44  S88;P1.44 |
| S88;P1.45 | LA1ELSER7 | 2TG1INT7 | S54;P1.14#  S88;P1.45 |
| S88;P1.46 | LAOELSER7 | 2TG0INT7 | S53;P1.14#  S88;P1.46 |
| S88;P1.47 | LOADK(J) | 2ACLOADK(J) | S81;P1.57#  S88;P1.47 |
| S88;P1.48 | DDXK1 | 2DDXK1 | S81;P1.67#  S88;P1.48 |
| S88;P1.49 | LAOELSER5 | 2TG0INT5 | S53;P1.5#  S88;P1.49 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S88;P1.50 | LA1ELSER5 | 2TG1INT5 | S54;P1.5# |
| S88;P1.52 | DDYK3 | 2DDYK3 | S82;P1.69# |
| S88;P1.53 | DDXK3 | 2DDXK3 | S81;P1.69# |
| S88;P1.54 | YSEL | 2DDYYSEL | S82;P1.47# |
| S88;P1.55 | DDYK2 | 2DDYK2 | S82;P1.70# |
| S88;P1.56 | DDYK1 | 2DDYK1 | S82;P1.67# |
| S88;P1.57 | DDXK2 | 2DDXK2 | S81;P1.70# |
| S88;P1.58 | *ENABFD | *2ACENABFD | S83;P1.48# |
| S88;P1.59 | LA0ELSER3 | 2TG0INT3 | S53;P1.9# |
| S88;P1.60 | LA1ELSER3 | 2TG1INT3 | S54;P1.9# |
| S88;P1.61 | GROUND | 1TW*CMCLK3 | S17;P1.71  S19;P1.41  S24;P1.61  S24;P1.71  S26;P1.80  S28;P1.80  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71  S83;P1.41  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51  S96;P1.51 |
| S88;P1.62 | LA0ELSER2 | 2TG0INT2 | S53;P1.13# |
| S88;P1.63 | *FRCLK | *CMFRCLK | S24;P1.63  S46;P1.12  S88;P1.63 |
| S88;P1.64 | LA1ELSER2 | 2TG1INT2 | S54;P1.13# |
| S88;P1.65 | LA1ELSER0 | 2TG1INT0 | S54;P1.17# |
| S88;P1.66 | *BMAINT | *2SD0BMAINT | S81;P1.27  S82;P1.27  S88;P1.66  S90;P1.76  S92;P1.76  S94;P1.23# |
| S88;P1.67 | LA0ELSER1 | 2TG0INT1 | S53;P1.15# |
| S88;P1.68 | LA0ELSER0 | 2TG0INT0 | S53;P1.17# |
| S88;P1.69 | *CLK20MHZ | *CMCLK20MHZ | S5;P1.60  S24;P1.69  S69;P1.60  S88;P1.69 |
| S88;P1.70 | LA1ELSER1 | 2TG1INT1 | S54;P1.15# |
| S88;P1.71 | GROUND | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.61  S24;P1.71  S26;P1.80  S28;P1.80  S30;P1.51  S32;P1.51  S46;P1.11  S81;P1.71  S82;P1.71  S83;P1.41  S88;P1.71  S90;P1.80  S92;P1.80  S94;P1.51  S96;P1.51 |
| S88;P1.72 | *CLK | *CMCLK3 | S17;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79  S30;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42  S88;P1.72  S92;P1.79  S94;P1.52  S96;P1.52 |
| S88;P1.73 | DDXA15 | 2DDXA15 | S81;P1.54# |
| S88;P1.74 | DDYA7 | 2DDYA7 | S82;P1.45# |
| S88;P1.75 | *SHIFTB | *2ACSHIFTB | S83;P1.70# |
| S88;P1.76 | LIGHTB | 2ACLIGHTB | S83;P1.65# |
| S88;P1.77 | *SHIFTA | *2ACSHIFTA | S83;P1.72# |
| S88;P1.78 | *SHIFTALPHA | *2ACSHALPHA | S83;P1.24# |
| S88;P1.79 | DDXA15XOR | 2DDXA15XOR | S81;P1.55# |
| S88;P1.80 | DDXA7 | 2DDXA7 | S81;P1.45# |
| S90;P1.3 | +15V | +15V8 | B120;P1.52 |
| S90;P1.4 | GROUND | AGND8 | B121;P1.51 |
| S90;P1.6 | -15V | -15V8 | B112;P1.51 |
| S90;P1.14 | OUT | 2DAXOUT | S82;P1.6  S90;P1.14  S94;P1.77  S96;P1.77 |
| S90;P1.18 | GROUND | 1TW2DAXOUT | S90;P1.6  S94;P1.78  S96;P1.78 |
| S90;P1.42 | MSBRAMP | 2DAXMSBRAMP | S90;P1.42 |
| S90;P1.45 | SLOPESERIN | 2DAXMSBPOS | S90;P1.45 |
| S90;P1.47 | MSBPOS | 2DAXMSBPOS | S90;P1.45 |
| S90;P1.50 | POS15 | 2DDXMD0 | S47;P1.59  S48;P1.45  S49;P1.30  S68;P1.80  S70;P1.44  S71;P1.44  S81;P1.46# |
| S90;P1.52 | POS14 | 2DDXMD1 | S47;P1.63  S48;P1.44  S49;P1.29  S68;P1.78  S70;P1.39  S71;P1.39  S81;P1.50# |

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STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS |
|---|---|---|---|
| S90;P1.53 | POS13 | 2DDXMD2 | S47;P1.65, S48;P1.43, S49;P1.32, S68;P1.76, S70;P1.64, S71;P1.64, S81;P1.56#, S90;P1.53 |
| S90;P1.54 | POS12 | 2DDXMD3 | S47;P1.67, S48;P1.42, S49;P1.33, S68;P1.74, S70;P1.37, S71;P1.37, S81;P1.52#, S90;P1.53 |
| S90;P1.55 | POS11 | 2DDXMD4 | S47;P1.58, S48;P1.40, S49;P1.34, S68;P1.17, S70;P1.55, S71;P1.55, S81;P1.77#, S90;P1.54 |
| S90;P1.56 | POS10 | 2DDXMD5 | S47;P1.60, S48;P1.39, S49;P1.35, S68;P1.15, S70;P1.42, S71;P1.42, S81;P1.73#, S90;P1.55 |
| S90;P1.57 | POS9 | 2DDXMD6 | S47;P1.62, S48;P1.38, S49;P1.36, S68;P1.13, S70;P1.40, S71;P1.40, S81;P1.75#, S90;P1.56 |
| S90;P1.58 | POS8 | 2DDXMD7 | S47;P1.64, S48;P1.37, S49;P1.37, S68;P1.10, S70;P1.46, S71;P1.46, S81;P1.76#, S90;P1.57 |
| S90;P1.59 | POS7 | 2DDXMD8 | S47;P1.66, S48;P1.36, S49;P1.38, S94;P1.67, S68;P1.32, S70;P1.18, S71;P1.18, S81;P1.65#, S90;P1.58 |
| S90;P1.60 | POS6 | 2DDXMD9 | S47;P1.68, S48;P1.35, S49;P1.39, S94;P1.66, S68;P1.29, S70;P1.48, S71;P1.48, S81;P1.60, S90;P1.59 |
| S90;P1.62 | POS5 | 2DDXMD10 | S47;P1.70, S48;P1.34, S49;P1.40, S94;P1.65, S68;P1.27, S70;P1.30, S71;P1.30, S81;P1.68#, S90;P1.60 |
| S90;P1.63 | POS4 | 2DDXMD11 | S47;P1.72, S48;P1.33, S49;P1.42, S94;P1.64, S68;P1.25, S70;P1.43, S71;P1.43, S81;P1.66#, S90;P1.62 |
| S90;P1.64 | POS3 | 2DDXMD12 | S47;P1.74, S48;P1.32, S49;P1.44, S70;P1.22, S71;P1.22, S81;P1.63#, S90;P1.63 |
| S90;P1.65 | POS2 | 2DDXMD13 | S47;P1.76, S94;P1.59, S49;P1.45, S70;P1.27, S71;P1.27, S81;P1.58#, S90;P1.64 |
| S90;P1.66 | POS1 | 2DDXMD14 | S47;P1.78, S94;P1.49, S49;P1.43, S70;P1.28, S71;P1.28, S81;P1.64#, S90;P1.66 |
| S90;P1.67 | POS0 | 2DDXMD15 | S47;P1.80, S94;P1.50, S49;P1.47, S70;P1.62, S71;P1.62, S81;P1.57#, S90;P1.67 |
| S90;P1.68 | SERIN | 2AISEROUT | S88;P1.9# |
| S90;P1.69 | LOADSLOPE | 2ACLDSLOPE | S83;P1.62#, S92;P1.69, S94;P1.39, S96;P1.39 |
| S90;P1.70 | LOADDA | 2ACLDANREGS | S83;P1.27#, S92;P1.70 |
| S90;P1.73 | SETLOUT | 2DAXSETLOUT | S90;P1.73, S94;P1.25 |
| S90;P1.74 | DRAWLINE | 2ACDRAWSURF | S50;P1.29, S92;P1.74, S80;P1.29, S83;P1.18#, S88;P1.19, S90;P1.74 |
| S90;P1.75 | *RASTER | *2DDYB6 | S83;P1.80#, S92;P1.75, S88;P1.66, S90;P1.76, S92;P1.76, S94;P1.23# |
| S90;P1.76 | *MAINT | *2SDOBMAINT | S81;P1.27, S19;P1.42, S24;P1.72, S26;P1.79, S81;P1.72, S82;P1.72, S28;P1.79 |
| S90;P1.79 | *CLOCK | *CMCLK3 | S17;P1.72, S46;P1.18, S81;P1.72, S92;P1.72, S96;P1.52, S83;P1.42 |
| S90;P1.80 | GROUND | 1TW*CMCLK3 | S30;P1.52, S88;P1.72, S92;P1.79, S88;P1.71, S94;P1.52, S96;P1.52 |
| S92;P1.3 | +15V | +15V9 | B120;P1.56, S17;P1.71, S18;P1.71, S19;P1.41, S24;P1.61, S46;P1.11, S90;P1.80, B120;P1.3 |
| S92;P1.4 | GROUND | AGND9 | B121;P1.55, S28;P1.80, S24;P1.71, S81;P1.71, S92;P1.80, B121;P1.4 |
| S92;P1.6 | -15V | -15V9 | B112;P1.55, S83;P1.41, S26;P1.80, S82;P1.71, S94;P1.51, B112;P1.6 |
| S92;P1.14 | OUT | 2DAYOUT | S92;P1.14, S94;P1.75, S96;P1.51, S96;P1.75 |
| S92;P1.18 | GROUND | 1TW2DAYOUT | S92;P1.18, S94;P1.76, S96;P1.76 |
| S92;P1.42 | MSBRAMP | 2DAYMSBRAMP | S83;P1.7, S92;P1.42 |
| S92;P1.45 | SLOPESERIN | 2DAYMSBPOS | S92;P1.45, S92;P1.47 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | String Pins | | | | | |
|---|---|---|---|---|---|---|---|---|
| S92;P1.47 | MSBPOS | 2DAYMSBPOS | S92;P1.45 | S92;P1.47 | S82;P1.46# | S92;P1.50 | | |
| S92;P1.50 | POS15 | 2DDYMD0 | S68;P1.79 | S72;P1.44 | S73;P1.44 | S82;P1.50# | S92;P1.52 | |
| S92;P1.52 | POS14 | 2DDYMD1 | S68;P1.77 | S72;P1.39 | S73;P1.39 | S82;P1.56# | S92;P1.53 | |
| S92;P1.53 | POS13 | 2DDYMD2 | S68;P1.75 | S72;P1.64 | S73;P1.64 | S82;P1.52# | S92;P1.54 | |
| S92;P1.54 | POS12 | 2DDYMD3 | S68;P1.73 | S72;P1.37 | S73;P1.37 | S82;P1.77# | S92;P1.55 | |
| S92;P1.55 | POS11 | 2DDYMD4 | S68;P1.16 | S72;P1.55 | S73;P1.55 | S82;P1.73# | S92;P1.56 | |
| S92;P1.56 | POS10 | 2DDYMD5 | S68;P1.14 | S72;P1.42 | S73;P1.42 | S82;P1.75# | S92;P1.57 | |
| S92;P1.57 | POS9 | 2DDYMD6 | S68;P1.12 | S72;P1.40 | S73;P1.40 | S82;P1.76# | S92;P1.58 | |
| S92;P1.58 | POS8 | 2DDYMD7 | S68;P1.9 | S72;P1.46 | S73;P1.46 | S82;P1.65# | S92;P1.59 | |
| S92;P1.59 | POS7 | 2DDYMD8 | S68;P1.30 | S72;P1.18 | S73;P1.18 | S82;P1.60 | S92;P1.60 | |
| S92;P1.60 | POS6 | 2DDYMD9 | S68;P1.28 | S72;P1.48 | S73;P1.48 | S82;P1.68# | S92;P1.62 | |
| S92;P1.62 | POS5 | 2DDYMD10 | S68;P1.26 | S72;P1.30 | S73;P1.30 | S82;P1.66# | S92;P1.63 | |
| S92;P1.63 | POS4 | 2DDYMD11 | S68;P1.24 | S72;P1.43 | S73;P1.43 | S92;P1.64 | | |
| S92;P1.64 | POS3 | 2DDYMD12 | S72;P1.22 | S73;P1.22 | S82;P1.63# | S92;P1.65 | | |
| S92;P1.65 | POS2 | 2DDYMD13 | S72;P1.27 | S73;P1.27 | S82;P1.58# | S92;P1.66 | S94;P1.36 | S92;P1.36 S96;P1.36 |
| S92;P1.66 | POS1 | 2DDYMD14 | S72;P1.28 | S73;P1.28 | S82;P1.64# | S92;P1.67 | S94;P1.37 | S92;P1.37 S96;P1.37 |
| S92;P1.67 | POS0 | 2DDYMD15 | S72;P1.62 | S73;P1.62 | S82;P1.57# | | | |
| S92;P1.68 | SERIN | 2DAXMSBRAMP | S90;P1.42 | S92;P1.68 | | | | |
| S92;P1.69 | LOADSLOPE | 2ACLDSLOPE | S83;P1.62# | S90;P1.69 | S94;P1.39 | S96;P1.39 | | |
| S92;P1.70 | LOADDA | 2ACLDANREGS | S83;P1.27# | S90;P1.70 | | | | |
| S92;P1.73 | SETLOUT | 2DAYSETLOUT | S92;P1.73 | S94;P1.24 | S90;P1.74 | | | |
| S92;P1.74 | DRAWLINE | 2ACDRAWSURF | S50;P1.29 | S69;P1.50 | S80;P1.29 | S83;P1.18# | S88;P1.19 | S92;P1.74 |
| S92;P1.75 | *RASTER | *2DDYB6 | S83;P1.80# | S90;P1.75 | S90;P1.76 | S92;P1.76 | S94;P1.23# | |
| S92;P1.76 | *MAINT | *2SD0BMAINT | S81;P1.27 | S82;P1.27 | S24;P1.72 | S26;P1.79 | S28;P1.79 | |
| S92;P1.79 | *CLOCK | *CMCLK3 | S17;P1.72 | S18;P1.72 | S19;P1.42 | S81;P1.72 | S82;P1.72 | S83;P1.42 |
| S92;P1.80 | GROUND | 1TW*CMCLK3 | S30;P1.52 | S32;P1.52 | S46;P1.18 | S96;P1.52 | S24;P1.71 | S26;P1.80 |
| | | | S88;P1.72 | S90;P1.79 | S92;P1.79 | S24;P1.61 | S81;P1.71 | S82;P1.71 |
| | | | S17;P1.71 | S18;P1.71 | S19;P1.41 | S46;P1.11 | S92;P1.80 | S94;P1.51 |
| | | | S28;P1.80 | S30;P1.51 | S32;P1.51 | S90;P1.80 | | |
| | | | S83;P1.41 | S88;P1.61 | S88;P1.71 | | | |
| | | | S96;P1.51 | | | | | |
| S94;P1.3 | NCOUNTDONE | 2SD0NCOUNTDONE | S83;P1.73 | S94;P1.3# | | | | |
| S94;P1.4 | COMPSETL | 2SD0COMPOSITESETL | S83;P1.38 | S94;P1.4# | | | | |
| S94;P1.5 | SEROUT | 2SD0SEROUT | S82;P1.5 | S94;P1.5# | | | | |
| S94;P1.7 | BETA3 | 2SD0BETA3 | S88;P1.33 | S94;P1.7# | | | | |
| S94;P1.9 | BETA4 | 2SD0BETA4 | S88;P1.34 | S94;P1.9# | | | | |
| S94;P1.13 | BETA2 | 2SD0BETA2 | S88;P1.36 | S94;P1.13# | | | | |
| S94;P1.14 | BETA1 | 2SD0BETA1 | S88;P1.35 | S94;P1.14# | | | | |
| S94;P1.15 | CMFLAG3 | CMFLAG3 | S1;P1.16 | S96;P1.15 | S30;P1.15 | S32;P1.15 | S65;P1.16 | S94;P1.15 |
| S94;P1.17 | CMSFLAG | CMSFLAG | S30;P1.17 | S46;P1.72 | S94;P1.17 | S94;P1.72 | S96;P1.72 | |
| S94;P1.18 | *CMGRE0 | *CMGRE0 | S30;P1.18 | S46;P1.13 | S5;P1.27 | S69;P1.27 | S94;P1.18 | |
| S94;P1.19 | *CMFORCEBLNK | *CMFORCEBLANK | S30;P1.19 | S32;P1.19 | S46;P1.19 | S94;P1.19 | S96;P1.19 | |
| S94;P1.20 | ACUNBLANK | 2ACUNBLANK | S83;P1.78# | S94;P1.20 | S96;P1.20 | | | |
| S94;P1.23 | *BMAINT | *2SD0BMAINT | S81;P1.27 | S82;P1.27 | S88;P1.66 | S90;P1.76 | S92;P1.76 | S94;P1.23# |
| S94;P1.24 | YSETL | 2DAYSETLOUT | S92;P1.73 | S94;P1.24 | | | | |
| S94;P1.25 | XSETL | 2DAXSETLOUT | S90;P1.73 | S94;P1.25 | | | | |
| S94;P1.26 | *SHIFTACOFS | *2ACSHACOFS | S83;P1.22# | S94;P1.26 | | | | |
| S94;P1.29 | SHIFT | CMSHIFT | S15;P1.28 | S19;P1.26 | S30;P1.29 | S46;P1.6 | S53;P1.59 | S54;P1.59 |

200116100A0
SP1T DP

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S94;P1.32 | SDYSEL | 2SD0YSEL | S5;P1.12  S63;P1.59  S64;P1.59  S69;P1.12  S79;P1.28  S83;P1.26 |
| S94;P1.33 | SERIN | 2DDXA15 | S94;P1.29 |
| S94;P1.35 | DDXB2 | 2DDXB2 | S83;P1.49  S94;P1.32#  S82;P1.6  S88;P1.73  S94;P1.33 |
| S94;P1.36 | YMD14 | 2DDYMD14 | S50;P1.42  S81;P1.54#  S81;P1.17#  S94;P1.35  S96;P1.35  S96;P1.36 |
| S94;P1.37 | YMD15 | 2DDYMD15 | S72;P1.28  S65;P1.67  S82;P1.64#  S92;P1.66  S94;P1.36  S96;P1.37 |
| S94;P1.38 | DDXB3 | 2DDXB3 | S50;P1.44  S73;P1.28  S82;P1.57#  S92;P1.67  S94;P1.37 |
| S94;P1.39 | ACLDANREGS | 2ACLDANREGS | S83;P1.27#  S73;P1.62  S81;P1.15#  S94;P1.38  S96;P1.38 |
| S94;P1.42 | DDXB1 | 2DDXB1 | S50;P1.40  S65;P1.69  S92;P1.70  S94;P1.39  S96;P1.39 |
| S94;P1.43 | DDXB0 | 2DDXB0 | S50;P1.8  S90;P1.70  S81;P1.37#  S94;P1.42  S96;P1.42 |
| S94;P1.45 | *CHAN | *CMCHN2 | S46;P1.53  S65;P1.65  S81;P1.18#  S94;P1.43  S96;P1.43  S83;P1.3  S94;P1.45  S65;P1.63  S53;P1.66  S54;P1.66  S69;P1.5  S79;P1.52 |
| S94;P1.46 | DLYSEL1 | GND30 | S30;P1.41  S30;P1.46  S94;P1.46  S83;P1.44  S94;P1.47 |
| S94;P1.47 | DDYB6 | 2DDYB6 | S50;P1.35  S69;P1.57  S82;P1.7#  S71;P1.28  S81;P1.64#  S96;P1.47 |
| S94;P1.49 | XMD14 | 2DDXMD14 | S47;P1.78  S49;P1.43  S70;P1.28  S71;P1.62  S81;P1.57#  S90;P1.66  S94;P1.49  S96;P1.49 |
| S94;P1.50 | XMD15 | 2DDXMD15 | S47;P1.80  S49;P1.47  S70;P1.62  S94;P1.50  S96;P1.50  S90;P1.67 |
| S94;P1.51 | GROUND | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.61  S26;P1.80  S28;P1.80  S30;P1.51  S32;P1.51  S46;P1.11  S82;P1.71  S83;P1.41  S88;P1.61  S88;P1.71  S90;P1.80  S94;P1.51  S96;P1.51 |
| S94;P1.52 | *CLK | *CMCLK3 | S17;P1.72  S18;P1.72  S19;P1.42  S24;P1.72  S26;P1.72  S28;P1.79  S30;P1.52  S32;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42  S88;P1.72  S90;P1.79  S92;P1.79  S94;P1.52  S96;P1.52 |
| S94;P1.53 | *INCN | *2ACINCN | S83;P1.20#  S94;P1.53  S94;P1.54  S79;P1.39 |
| S94;P1.54 | DDYB1 | 2DDYB1 | S46;P1.32  S82;P1.37#  S94;P1.55  S71;P1.39 |
| S94;P1.55 | *WRITE | *CMWRITE2 | S1;P1.10  S30;P1.56  S94;P1.32 |
| S94;P1.56 | CMFLAG2 | CMFLAG2 | S94;P1.56  S30;P1.56  S96;P1.57  S65;P1.10 |
| S94;P1.57 | IMSEL | CMFLAG1 | S46;P1.40  S94;P1.40  S94;P1.57 |
| S94;P1.58 | GROUND | AGND7 | B121;P1.59  S94;P1.58  S94;P1.58 |
| S94;P1.59 | XMD13 | 2DDXMD13 | S47;P1.76  S49;P1.45  S70;P1.27  S71;P1.27  S81;P1.58#  S90;P1.65  S94;P1.59 |
| S94;P1.60 | XMD12 | 2DDXMD12 | S47;P1.74  S48;P1.32  S49;P1.44  S70;P1.22  S71;P1.22  S81;P1.63#  S90;P1.64  S94;P1.60 |
| S94;P1.62 | *LDN | *2ACLDN | S83;P1.19#  S90;P1.64  S94;P1.62 |
| S94;P1.63 | DDXB4 | 2DDXB4 | S50;P1.46  S65;P1.73  S94;P1.19#  S94;P1.63 |
| S94;P1.64 | XMD11 | 2DDXMD11 | S47;P1.72  S48;P1.33  S49;P1.42  S90;P1.63  S94;P1.64  S68;P1.25  S70;P1.43  S71;P1.43  S81;P1.66# |
| S94;P1.65 | XMD10 | 2DDXMD10 | S47;P1.70  S48;P1.34  S49;P1.40  S90;P1.62  S94;P1.65  S68;P1.27  S70;P1.30  S71;P1.30  S81;P1.68# |
| S94;P1.66 | XMD9 | 2DDXMD9 | S47;P1.68  S48;P1.35  S49;P1.39  S90;P1.35  S94;P1.66  S68;P1.29  S70;P1.48  S71;P1.48  S81;P1.60 |
| S94;P1.67 | XMD8 | 2DDXMD8 | S47;P1.66  S48;P1.36  S49;P1.38  S90;P1.36  S94;P1.67  S68;P1.32  S70;P1.18  S71;P1.18  S81;P1.65# |
| S94;P1.68 | DDYB4 | 2DDYB4 | S50;P1.33  S69;P1.43  S79;P1.22  S90;P1.59  S82;P1.13#  S83;P1.6  S94;P1.68 |
| S94;P1.69 | DDYB3 | 2DDYB3 | S50;P1.32  S69;P1.80  S79;P1.23  S82;P1.15#  S83;P1.5  S94;P1.69 |

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO |
|---|---|---|---|
| S94;P1.70 | DDYB2 | 2DDYB2 | S96;P1.69  S69;P1.55  S82;P1.17#  S83;P1.4  S94;P1.70  S96;P1.70 |
| S94;P1.72 | | CMSFLAG | S50;P1.30  S46;P1.72  S94;P1.17  S94;P1.72  S96;P1.72 |
| S94;P1.73 | AIRET | 1TW2AIOUT1 | S30;P1.17  S94;P1.72  S96;P1.73 |
| S94;P1.74 | AIIN | 2AIOUT1 | S88;P1.28  S94;P1.73 |
| S94;P1.75 | YPOS | 2DAYOUT | S88;P1.29  S94;P1.74 |
| S94;P1.76 | YRET | 1TW2DAYOUT | S92;P1.14  S94;P1.75  S96;P1.75 |
| S94;P1.77 | XPOS | 2DAXOUT | S92;P1.18  S94;P1.76  S96;P1.76 |
| S94;P1.78 | XRET | 1TW2DAXOUT | S90;P1.14  S94;P1.77  S96;P1.77 |
| S94;P1.79 | -15V | -15V7 | S90;P1.18  S94;P1.78  S96;P1.78 |
| S94;P1.80 | +15V | +15V7 | B122;P1.59  S94;P1.79 |
| S96;P1.15 | IOFLAG3 | CMFLAG3 | B120;P1.59  S94;P1.80  S1;P1.16  S96;P1.15  S30;P1.15  S32;P1.15  S46;P1.38  S65;P1.16  S94;P1.15 |
| S96;P1.19 | *FORCEBLANK | *CMFORCEBLANK | S30;P1.19  S46;P1.20  S96;P1.20  S94;P1.19  S96;P1.19 |
| S96;P1.20 | UNBLANK | 2ACUNBLANK | S83;P1.78#  S94;P1.20  S96;P1.20 |
| S96;P1.29 | SHIFT | 2SD1GND | S96;P1.45  S96;P1.41  S96;P1.29 |
| S96;P1.35 | DDXB2 | 2DDXB2 | S50;P1.42  S65;P1.67  S81;P1.17#  S94;P1.35  S96;P1.35 |
| S96;P1.36 | YMD14 | 2DDYMD14 | S72;P1.28  S73;P1.28  S82;P1.64#  S92;P1.66  S94;P1.66  S96;P1.36 |
| S96;P1.37 | YMD15 | 2DDYMD15 | S72;P1.62  S73;P1.62  S82;P1.57#  S92;P1.67  S94;P1.67  S96;P1.37 |
| S96;P1.38 | DDXB3 | 2DDXB3 | S50;P1.44  S65;P1.69  S81;P1.15#  S94;P1.38  S96;P1.38 |
| S96;P1.39 | LDANREGS | 2ACLDANREGS | S83;P1.27#  S90;P1.70  S92;P1.70  S94;P1.39  S96;P1.39 |
| S96;P1.41 | GROUND | 2SD1GND | S96;P1.29  S96;P1.41  S96;P1.45 |
| S96;P1.42 | DDXB1 | 2DDXB1 | S50;P1.40  S65;P1.65  S81;P1.37#  S94;P1.42  S96;P1.42 |
| S96;P1.43 | DDXB0 | 2DDXB0 | S50;P1.8  S65;P1.63  S81;P1.18#  S94;P1.43  S96;P1.43 |
| S96;P1.45 | *CHAN | 2SD1GND | S96;P1.29  S96;P1.41  S96;P1.45 |
| S96;P1.47 | DDYB6 | 2DDYB6 | S50;P1.35  S69;P1.57  S82;P1.57#  S83;P1.44  S94;P1.47  S96;P1.47 |
| S96;P1.49 | XMD14 | 2DDXMD14 | S47;P1.78  S49;P1.43  S70;P1.28  S71;P1.28  S81;P1.64#  S90;P1.66 |
| S96;P1.50 | XMD15 | 2DDXMD15 | S47;P1.80  S49;P1.47  S70;P1.62  S71;P1.62  S81;P1.57#  S90;P1.67 |
| S96;P1.51 | *CLKRET | 1TW*CMCLK3 | S17;P1.71  S18;P1.71  S19;P1.41  S24;P1.61  S24;P1.71  S26;P1.80  S82;P1.71 |
| S96;P1.52 | *CLK | *CMCLK3 | S28;P1.80  S30;P1.51  S32;P1.51  S46;P1.11  S81;P1.71  S92;P1.80  S94;P1.51  S83;P1.41  S88;P1.71  S90;P1.80 |
| S96;P1.57 | INSTRMONSEL | CMFLAG1 | S17;P1.72  S19;P1.42  S24;P1.72  S26;P1.79  S28;P1.79 |
| S96;P1.58 | E2 | AGND10 | S30;P1.52  S46;P1.18  S81;P1.72  S82;P1.72  S83;P1.42 |
| S96;P1.68 | DDYB4 | 2DDYB4 | S88;P1.72  S92;P1.79  S94;P1.52  S96;P1.52 |
| S96;P1.69 | DDYB3 | 2DDYB3 | S46;P1.40  S50;P1.33  S79;P1.22  S82;P1.13#  S83;P1.6  S94;P1.68  B121;P1.63  S96;P1.57  S96;P1.58 |
| S96;P1.70 | DDYB2 | 2DDYB2 | S50;P1.32  S69;P1.43  S79;P1.23  S82;P1.15#  S83;P1.5  S94;P1.69  S96;P1.68 |
| S96;P1.72 | DDYB1 | CMSFLAG | S50;P1.30  S69;P1.55  S82;P1.17#  S83;P1.4  S94;P1.70  S96;P1.69 |
| S96;P1.73 | | 1TW2AIOUT1 | S30;P1.17  S46;P1.72  S94;P1.17  S94;P1.72  S96;P1.70 |
| S96;P1.74 | AIIN | 2AIOUT2 | S88;P1.28  S94;P1.73  S96;P1.72 |
| S96;P1.75 | YPOS | 2DAYOUT | S88;P1.30  S94;P1.74  S96;P1.75 |
| S96;P1.76 | YRET | 1TW2DAYOUT | S92;P1.14  S94;P1.75 |
| S96;P1.77 | XPOS | 2DAXOUT | S92;P1.18  S94;P1.76 |
| | | | S90;P1.14  S94;P1.77 |

STRING PINS BY SLOT;CON.PIN_NO

| SLT;CON.PIN | PIN NAME | BP STRING NAME | STRING PINS BY SLOT;CON.PIN_NO | | |
|---|---|---|---|---|---|
| S96;P1.78 | XRET | 1TW2DAXOUT | S90;P1.18 | S94;P1.78 | S96;P1.78 |
| S96;P1.79 | -15V | -15V10 | B122;P1.63 | S96;P1.79 | |
| S96;P1.80 | +15V | +15V10 | B120;P1.63 | S96;P1.80 | |
| B100;P1.48 | -V5 | +15V1 | B100;P1.48 | S24;P1.3 | |
| B100;P1.52 | -V5 | +15V3 | B100;P1.52 | S26;P1.3 | |
| B100;P1.56 | -V5 | +15V4 | B100;P1.56 | S28;P1.3 | |
| B101;P1.47 | -V5 | AGND1 | B101;P1.47 | S24;P1.4 | |
| B101;P1.51 | -V5 | AGND3 | B101;P1.51 | S26;P1.4 | |
| B101;P1.55 | -V5 | AGND4 | B101;P1.55 | S28;P1.4 | |
| B102;P1.6 | -V5 | -15V34 | B102;P1.6 | S2;P1.79 | |
| B102;P1.10 | -V5 | -15V35 | B102;P1.10 | S3;P1.79 | |
| B102;P1.47 | -V5 | -15V1 | B102;P1.47 | S24;P1.6 | |
| B102;P1.51 | -V5 | -15V3 | B102;P1.51 | S26;P1.6 | |
| B102;P1.55 | -V5 | -15V4 | B102;P1.55 | S28;P1.6 | |
| B102;P1.60 | -V5 | -15V2 | B102;P1.60 | S30;P1.79 | |
| B102;P1.63 | -V5 | -15V5 | B102;P1.63 | S32;P1.79 | |
| B103;P1.7 | -V5 | +12V34 | B103;P1.7 | S2;P1.80 | |
| B103;P1.11 | -V5 | +12V35 | B103;P1.11 | S3;P1.80 | |
| B110;P1.59 | -V5 | +15V2 | B110;P1.59 | S30;P1.80 | |
| B110;P1.63 | -V5 | +15V5 | B110;P1.63 | S32;P1.80 | |
| B111;P1.59 | -V5 | AGND2 | B111;P1.59 | S30;P1.58 | |
| B111;P1.63 | -V5 | AGND5 | B111;P1.63 | S32;P1.58 | |
| B112;P1.47 | -V5 | -15V6 | B112;P1.47 | S88;P1.6 | |
| B112;P1.51 | -V5 | -15V8 | B112;P1.51 | S90;P1.6 | |
| B112;P1.55 | -V5 | -15V9 | B112;P1.55 | S92;P1.6 | |
| B120;P1.48 | -V5 | +15V6 | B120;P1.48 | S88;P1.3 | |
| B120;P1.52 | -V5 | +15V8 | B120;P1.52 | S90;P1.3 | |
| B120;P1.56 | -V5 | +15V9 | B120;P1.56 | S92;P1.3 | |
| B120;P1.59 | -V5 | +15V7 | B120;P1.59 | S94;P1.80 | |
| B120;P1.63 | -V5 | +15V10 | B120;P1.63 | S96;P1.80 | |
| B121;P1.47 | -V5 | AGND6 | B121;P1.47 | S88;P1.4 | |
| B121;P1.51 | -V5 | AGND8 | B121;P1.51 | S90;P1.4 | |
| B121;P1.55 | -V5 | AGND9 | B121;P1.55 | S92;P1.4 | |
| B121;P1.59 | -V5 | AGND7 | B121;P1.59 | S94;P1.58 | |
| B121;P1.63 | -V5 | AGND10 | B121;P1.63 | S96;P1.58 | |
| B122;P1.6 | -V5 | -15V66 | B122;P1.6 | S66;P1.79 | |
| B122;P1.10 | -V5 | -15V67 | B122;P1.10 | S67;P1.79 | |
| B122;P1.59 | -V5 | -15V7 | B122;P1.59 | S94;P1.79 | |
| B122;P1.63 | -V5 | -15V10 | B122;P1.63 | S96;P1.79 | |
| B123;P1.7 | -V5 | +12V66 | B123;P1.7 | S66;P1.80 | |
| B123;P1.11 | -V5 | +12V67 | B123;P1.11 | S67;P1.80 | |