

IDC-16 SLOT ??

37 PIN CABLE TO TERMINAL BREAKOUT DIN RAIL CONNECTIONS

ISO-1 25 PIN MOLDED CABLE TO LASER ROOM

ISO-2 25 PIN MOLDED CABLE TO LASER ROOM

SIGNAL PURPOSE

SIGNAL CHANNEL 1 FRONT PANEL PIN 1

SIGNAL CHANNEL 2 FRONT PANEL PIN 2

SIGNAL CHANNEL 3 FRONT PANEL PIN 3

SIGNAL CHANNEL 4 FRONT PANEL PIN 4

SIGNAL CHANNEL 5 FRONT PANEL PIN 5

SIGNAL CHANNEL 6 FRONT PANEL PIN 6

SIGNAL CHANNEL 7 FRONT PANEL PIN 7

SIGNAL CHANNEL 8 FRONT PANEL PIN 8

SIGNAL CHANNEL 20-22 FRONT PANEL PIN 20,21,22

DIN RAIL TERMINAL PIN 1

DIN RAIL TERMINAL PIN 2

DIN RAIL TERMINAL PIN 3

DIN RAIL TERMINAL PIN 4

DIN RAIL TERMINAL PIN 5

DIN RAIL TERMINAL PIN 6

DIN RAIL TERMINAL PIN 7

DIN RAIL TERMINAL PIN 8

DIN RAIL TERMINAL PIN 20,21,22

ZIP-LINK ISO-1 CONNECTOR TERMINAL 1

ZIP-LINK ISO-1 CONNECTOR TERMINAL 2

ZIP-LINK ISO-1 CONNECTOR TERMINAL 3

ZIP-LINK ISO-1 CONNECTOR TERMINAL 4

ZIP-LINK ISO-1 CONNECTOR TERMINAL 5

ZIP-LINK ISO-1 CONNECTOR TERMINAL 6

ZIP-LINK ISO-1 CONNECTOR TERMINAL 7

ZIP-LINK ISO-1 CONNECTOR TERMINAL 8

ZIP-LINK ISO-1 CONNECTOR TERMINAL 13,14,15

ZIP-LINK ISO-1 CONNECTOR TERMINAL 22,23

ZIP-LINK ISO-1 CONNECTOR TERMINAL 24,25

ANALOG ISOLATION CARD 1 TERMINAL JI-1

ANALOG ISOLATION CARD 1 TERMINAL JI-2

ANALOG ISOLATION CARD 1 TERMINAL JI-3

ANALOG ISOLATION CARD 1 TERMINAL JI-4

ANALOG ISOLATION CARD 1 TERMINAL JI-5

ANALOG ISOLATION CARD 1 TERMINAL JI-6

ANALOG ISOLATION CARD 1 TERMINAL JI-7

ANALOG ISOLATION CARD 1 TERMINAL JI-8

ANALOG ISOLATION CARD 1 TERMINAL JI-13,14,15

ANALOG ISOLATION CARD 1 TERMINAL JI-22,23

ANALOG ISOLATION CARD 1 TERMINAL JI-24,25

ANALOG ISOLATION CARD 1 TERMINAL JE-1 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 1

ANALOG ISOLATION CARD 1 TERMINAL JE-2 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 2

ANALOG ISOLATION CARD 1 TERMINAL JE-3 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 3

ANALOG ISOLATION CARD 1 TERMINAL JE-4 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 4

ANALOG ISOLATION CARD 1 TERMINAL JE-5 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 5

ANALOG ISOLATION CARD 1 TERMINAL JE-6 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 6

ANALOG ISOLATION CARD 1 TERMINAL JE-7 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 7

ANALOG ISOLATION CARD 1 TERMINAL JE-8 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 8

ANALOG ISOLATION CARD 1 GROUND REFERENCE PINS 13,14,15

ANALOG ISOLATION CARD 1 +15V INPUT POWER PINS 22,23

ANALOG ISOLATION CARD 1 -15V INPUT POWER PINS 24,25

ANALOG ISOLATION CARD 1 TERMINAL JE-13,14 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 13,14

< YELLOW >

< WHITE >

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 2

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 3

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 4

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 5

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 6

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 7

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 8

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 9

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 10

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 11

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 12

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 13

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 1

POCKELS CELL 4KV POSITIVE PROGRAMMING

POCKELS CELL 4KV NEGATIVE PROGRAMMING

HALL A 1A QUARTET A0 PROGRAM

HALL A 1A QUARTET A1 PROGRAM

HALL A 1A QUARTET A2 PROGRAM

HALL A 1A QUARTET A3 PROGRAM

HALL B 1A QUARTET A0 PROGRAM

HALL B 1A QUARTET A1 PROGRAM

QUARTET A1 CHASSIS FLOATING GROUND INPUT

SIGNAL CHANNEL 9 FRONT PANEL PIN 9

SIGNAL CHANNEL 10 FRONT PANEL PIN 10

SIGNAL CHANNEL 11 FRONT PANEL PIN 11

SIGNAL CHANNEL 12 FRONT PANEL PIN 12

SIGNAL CHANNEL 13 FRONT PANEL PIN 13

SIGNAL CHANNEL 14 FRONT PANEL PIN 14

SIGNAL CHANNEL 15 FRONT PANEL PIN 15

SIGNAL CHANNEL 16 FRONT PANEL PIN 16

SIGNAL CHANNEL 23-25 FRONT PANEL PIN 23,24,25

DIN RAIL TERMINAL PIN 9

DIN RAIL TERMINAL PIN 10

DIN RAIL TERMINAL PIN 11

DIN RAIL TERMINAL PIN 12

DIN RAIL TERMINAL PIN 13

DIN RAIL TERMINAL PIN 14

DIN RAIL TERMINAL PIN 15

DIN RAIL TERMINAL PIN 16

DIN RAIL TERMINAL PIN 23,24,25

ZIP-LINK ISO-2 CONNECTOR TERMINAL 1

ZIP-LINK ISO-2 CONNECTOR TERMINAL 2

ZIP-LINK ISO-2 CONNECTOR TERMINAL 3

ZIP-LINK ISO-2 CONNECTOR TERMINAL 4

ZIP-LINK ISO-2 CONNECTOR TERMINAL 5

ZIP-LINK ISO-2 CONNECTOR TERMINAL 6

ZIP-LINK ISO-2 CONNECTOR TERMINAL 7

ZIP-LINK ISO-2 CONNECTOR TERMINAL 8

ZIP-LINK ISO-2 CONNECTOR TERMINAL 13,14,15

ZIP-LINK ISO-2 CONNECTOR TERMINAL 22,23

ZIP-LINK ISO-2 CONNECTOR TERMINAL 24,25

ANALOG ISOLATION CARD 2 TERMINAL JI-1

ANALOG ISOLATION CARD 2 TERMINAL JI-2

ANALOG ISOLATION CARD 2 TERMINAL JI-3

ANALOG ISOLATION CARD 2 TERMINAL JI-4

ANALOG ISOLATION CARD 2 TERMINAL JI-5

ANALOG ISOLATION CARD 2 TERMINAL JI-6

ANALOG ISOLATION CARD 2 TERMINAL JI-7

ANALOG ISOLATION CARD 2 TERMINAL JI-8

ANALOG ISOLATION CARD 2 TERMINAL JI-13,14,15

ANALOG ISOLATION CARD 2 TERMINAL JI-22,23

ANALOG ISOLATION CARD 2 TERMINAL JI-24,25

ANALOG ISOLATION CARD 2 TERMINAL JE-1 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 1

ANALOG ISOLATION CARD 2 TERMINAL JE-2 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 2

ANALOG ISOLATION CARD 2 TERMINAL JE-3 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 3

ANALOG ISOLATION CARD 2 TERMINAL JE-4 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 4

ANALOG ISOLATION CARD 2 TERMINAL JE-5 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 5

ANALOG ISOLATION CARD 2 TERMINAL JE-6 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 6

ANALOG ISOLATION CARD 2 TERMINAL JE-7 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 7

ANALOG ISOLATION CARD 2 TERMINAL JE-8 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 8

ANALOG ISOLATION CARD 2 GROUND REFERENCE PINS 13,14,15

ANALOG ISOLATION CARD 2 +15V INPUT POWER PINS 22,23

ANALOG ISOLATION CARD 2 -15V INPUT POWER PINS 24,25

ANALOG ISOLATION CARD 2 TERMINAL JE-13,14 TERMINATING ZIP-LINK TERMINAL BREAKOUT PIN 13,14

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 8

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 9

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 10

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 11

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 12

QUAD-1A CHASSIS ISPIN DSUB MALE CABLE CONNECT TERMINAL 13

HALL B 1A QUARTET A2 PROGRAM

HALL B 1A QUARTET A3 PROGRAM

HALL C 1A QUARTET A0 PROGRAM

HALL C 1A QUARTET A1 PROGRAM

HALL C 1A QUARTET A2 PROGRAM

HALL C 1A QUARTET A3 PROGRAM

TBD +15V


TBD -15V

TBD +15V

TBD -15V

AVAILABLE (VIEW?)

AVAILABLE (VIEW?)

DRAWN J. H.	DATE 8/11/2010	 Thomas Jefferson National Accelerator Facility UNITED STATES DEPARTMENT OF ENERGY	
CHECKED	DATE	TITLE 16 channel 16 bit DAC load wiring diagram FUNCTIONAL WIRING DIAGRAM	
APPR/ORIGINATOR	DATE	SIZE D	DWG. NO. 16bit DAC loads.DWG
APPROVED		SCALE NONE	REV. 1
ENGINEER hanskneec		SHOWN ON	SHEET 1 OF 1