

PIN	COLUMN			
	SIGNAL	A USED FOR	SIGNAL	C USED FOR
1	-15V	-15V	+15V	+15V
2	D OUT 7	50L DEWAR PRESSURE	D IN 7	DEWAR'S MANUAL FILL
3	D OUT 6	BIAS SELECT 3	D IN 6	-
4	D OUT 5	BIAS SELECT 2	D IN 5	-
5	D OUT 4	BIAS SELECT 1	D IN 4	-
6	D OUT 3	BIAS SELECT 0	D IN 3	-
7	D OUT 2	CCD SELECT 2	D IN 2	XFER2
8	D OUT 1	CCD SELECT 1	D IN 1	XFER1
9	D OUT 0	CCD SELECT 0	D IN 0	SHUTTER IS OPEN
10	D OUT 15	50L DEWAR VENT	D IN 15	-
11	D OUT 14	FAN CONTROL	D IN 14	-
12	D OUT 13	HEATER DACS SERIAL DATA	D IN 13	-
13	D OUT 12	HEATER DACS CHIP SELECT	D IN 12	-
14	D OUT 11	HEATER DACS SERIAL CLK	D IN 11	-
15	D OUT 10	ANALOG SWITCH ENABLE REQUEST	D IN 10	-
16	D OUT 9	POWER MONITOR'S 34V ENABLE	D IN 9	-
17	D OUT 8	POWER MONITOR'S 15V ENABLE	D IN 8	ANALOG SWITCH ENABLE
18	GND	UTILITY SUPPORT BRD ANALOG GND	GND	UTILITY SUPPORT BRD ANALOG GND
19	SEROUT -	-	SERIN -	-
20	SEROUT +	-	SERIN +	-
21				
22	EXRESW	RESET FROM POWER MONITOR	SHUTTER	SHUTTER CONTROL (OPEN / CLOSE)
23	GND	UTILITY SUPPORT BRD ANALOG GND	GND	UTILITY SUPPORT BRD ANALOG GND
24	A OUT 3	-	A OUT 1	HEATER CONTROL #2
25	A OUT 2	OUTPUT PANEL TEMP METER	A OUT 0	HEATER CONTROL #1
26	GND	UTILITY SUPPORT BRD ANALOG GND	GND	UTILITY SUPPORT BRD ANALOG GND
27	I SOURCE	-	A IN 15	-
28	A IN 14	-	A IN 13	-
29	A IN 12	-	A IN 11	-
30	A IN 10	CCD TEMPERATURE MONITOR MUX	A IN 9	CCD BIAS VOLTAGE MONITOR MUX
31	A IN 8	CLOCK BRDS' MONITOR MUX	A IN 7	LN LEVEL: 50L DEWAR
32	A IN 6	LN LEVEL: CCD DEWAR	A IN 5	COMMON TEMP DIODE #1 MONITOR

UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY

UTILITY BOARD SIGNAL ASSIGNMENTS
HIRES SDSU2 CCD CONTROLLER

REVISION

10-13-03 CORRECTED DOUT7 = LN PRESSURE, DOUT15 = LN VENT
11-04-03 CHANGED SIGNAL NAMES: DOUT7, DOUT15, AND DIN7
12-01-03 MOVED CCD DEWAR LEVEL INPUT FROM A IN 11 TO A IN 6

DES'N BY: B. Alcott

ORIGIN DATE: 07-31-02

DWG. NO. NUM. 1 OF 1

DRAWN BY:

MODIFY DATE: 12-01-03

PATH: HIRES\CCD_UPGRADE\UTILCON

REV. A

EL-3420