

PIN	COLUMN			
	SIGNAL	A USED FOR	SIGNAL	C USED FOR
1	-15V	-15V	+15V	+15V
2	D OUT 7	SINGLE BLADE LEFT*	D IN 7	-
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	SHUTTER <u>RIGHT OUT</u>
6	D OUT 3	BIAS SELECT 0	D IN 3	SHUTTER <u>RIGHT IN</u>
7	D OUT 2	CCD SELECT 2	D IN 2	SHUTTER <u>LEFT OUT</u>
8	D OUT 1	CCD SELECT 1	D IN 1	SHUTTER <u>LEFT IN</u>
9	D OUT 0	CCD SELECT 0	D IN 0	SHUTTER IS OPEN
10	D OUT 15	SINGLE BLADE RIGHT*	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 <u>ENABLE REQUEST</u>	D IN 10	-
16	D OUT 9	POWER MONITOR'S 34V <u>ENABLE</u>	D IN 9	-
17	D OUT 8	POWER MONITOR'S 15V <u>ENABLE</u>	D IN 8	ANALOG SWITCH <u>ENABLE</u>
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 (<u>CLOSE</u>)
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	-
32	A IN 6	COMMON TEMP DIODE #2 MONITOR	A IN 5	COMMON TEMP DIODE #1 MONITOR

* BOTH SINGLE BLADE LEFT AND SINGLE BLADE RIGHT = RESET SHUTTER CONTROLLER

REVISION		UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		UTILITY BOARD SIGNAL ASSIGNMENTS	
				SDSU2 CCD CONTROLLER	
09-05-97 UPDATED SIGNALS NAMES TO MATCH UTILITY SUPPORT BRD		DES'N BY: B. Alcott		ORIGIN DATE: 4/27/97	
09-26-97 FINAL UPDATING TO REFLECT UTILITY SUPPORT BRD CONNECTIONS		DRAWN BY:		MODIFY DATE: 03-08-00	
03-08-00 ADDED SHUTTER BLADE SIGNALS AT Dout7 AND Dout15 AND FAN AT Dout14		PATH: DEIMOS\SDSUCCD2\UTILCON		REV. A	
				DWG. NO. NUM. 1 OF 1	
				EL-3162-1D	