

UTILITY BOARD SIGNAL ASSIGNMENTS

ROW A						ROW C					
PIN	SIGNAL	USED FOR:	PIN	SIGNAL	USED FOR:	PIN	SIGNAL	USED FOR:	PIN	SIGNAL	USED FOR:
1	-15V	-15V	17	D OUT 8		17	+15V	+15V	17	D IN 8	
2	D OUT 7		18	GND	SHUTTER RETURN	2	D IN 7		18	GND	
3	D OUT 6		19	SEROUT -		3	D IN 6		19	SERIN -	
4	D OUT 5	15V ENABLE	20	SEROUT +		4	D IN 5		20	SERIN +	
5	D OUT 4	HV ENABLE	21	EXRES -		5	D IN 4	DEWAR ID 4	21	RESW	
6	D OUT 3		22	EXRES +	EXTERNAL RESET (FROM POWER MONITOR)	6	D IN 3	DEWAR ID 3	22	SHUTTER	CCD SHUTTER CONTROL
7	D OUT 2		23	GND	TEMPERATURE READOUT RETURN	7	D IN 2	DEWAR ID 2	23	GND	CCD DEWAR HEATER CONTROL RETURN
8	D OUT 1		24	A OUT 3		8	D IN 1	DEWAR ID 1	24	A OUT 1	
9	D OUT 0	SHUTTER	25	A OUT 2	TEMPERATURE READOUT	9	D IN 0	DEWAR ID 0	25	A OUT 0	CCD DEWAR HEATER CONTROL
10	D OUT 15		26	GND		10	D IN 15		26	GND	
11	D OUT 14		27	I SOURCE	CURRENT FOR TEMP DIODE	11	D IN 14		27	A IN 15	
12	D OUT 13		28	A IN 14		12	D IN 13		28	A IN 13	
13	D OUT 12		29	A IN 12		13	D IN 12		29	A IN 11	
14	D OUT 11		30	A IN 10		14	D IN 11		30	A IN 9	
15	D OUT 10		31	A IN 8		15	D IN 10		31	A IN 7	
16	D OUT 9		32	A IN 6		16	D IN 9		32	A IN 5	CCD DEWAR TEMPERATURE

REVISION

06-15-01 CORRECTED EXTERNAL RESET AND 48V ENABLE SIGNAL LABELS
 06-16-01 REDRAWN IN LARGER FONT
 06-20-01 CHANGE SCHEMATIC NUMBER FROM EL-1278 TO EL-1276
 07-05-01 CHANGED REFERENCES FROM 48V TO HV (HIGH VOLTAGE)

**UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY**

**UTILITY BOARD SIGNAL ASSIGNMENTS
HI RHO CCD CONTROLLER**

DES'N BY: **B. Alcott**

ORIGIN DATE: **02-27-00**

DWG. NO.

NUM. 1 OF 1

Last SN:

MODIFY DATE: 07-05-01

PATH: HI_RHO_CCD\HI_RHO_UTILCON

REV. A

EL-1276