



NOTE - THE FOLLOWING GROUND SYMBOLS ARE USED:



REVISION

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY	
MITLL CCD INTERCONNECT - ESI	
DWG. NO.	EL-1240
DES'N BY: Chris Wright	ORIGIN DATE: NOVEMBER 24, 1997
DRAWN BY:	MODIFY DATE:
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CCD SIGNALS

P1 37-PIN MICROMINATURE CONNECTOR PIN	CORRESPONDING MITLL CCD/FLEX-CIRCUIT PIN	MITLL CCD SIGNAL NAME	P2 32-PIN DUAL-ROW CONNECTOR		P3 32-PIN DUAL-ROW CONNECTOR	
			PIN	SIGNAL	PIN	SIGNAL
1	1	P2U			7	P2-A
2	2	P1U			2	P1-A
3	3	P3L	27	P3-B		
4	4	P3U			8	P3-A
5	5	<open>				
6	6	P2L	29	P2-B		
7	7	P1L	32	P1-B		
8	8	SCP	10	GUARD		
9	9	OG (A)	5	OPG (A)		
10	10	RD (A)	11	RD (A)		
11	11	RG (A)			31	RG-A
12	12	DR (A)	17	VDD (A)		
13	13	VIDEO A				
14	14	RET	*	GND	**	GND
15	15	SW (A)			9	SW-A
16	16	SUB	3/-	SUB/GND		
17	17	S2A			17	S2-A
18	18	S1A			14	S1-A
19	19	S3			19	S3-A/B
20	20	S1B			26	S1-B
21	21	S2B			28	S2-B
22	22	SUB	3/-	SUB/GND		
23	23	SW (B)			22	SW-B
24	24	RET	*	GND	**	GND
25	25	DR (B)	19	VDD (B)		
26	26	VIDEO B				
27	27	RG (B)			30	RG-B
28	28	RD (B)	18	RD (B)		
29	29	OG (B)	6	OPG (B)		
30	30	SCP	10	GUARD		
31	31	P1L	32	P1-B		
32	32	P2L	29	P2-B		
33	33	<open>				
34	34	P3U			8	P3-A
35	35	P3L	27	P3-B		
36	36	P1U			2	P1-A
37	37	P2U			7	P2-A

TEMPERATURE CONTROL

P6 4-PIN SINGLE-ROW CONNECTOR PIN	TEMP CONTROL SIGNAL NAME	P2 32-PIN DUAL-ROW CONNECTOR PIN	P3 32-PIN DUAL-ROW CONNECTOR PIN
1	HEATER_ RTN	21	
2	HEATER_ PWR	24	
3	TEMP DIODE CATHODE	22	
4	TEMP DIODE ANODE	31	

SPARE SIGNALS

SPARES' SIGNAL NAME	P2 32-PIN DUAL-ROW CONNECTOR PIN	P3 32-PIN DUAL-ROW CONNECTOR PIN
TP1		12
TP2		10
TP3	16	
TP4		13
TP5		23
TP6		21
TP7	12	
TP8	13	

NOTES:

- SUB CONNECTION IS JUMPER-SELECTABLE TO GND
- * P2 GND PINS: 1, 4, 7, 8, 9, 14, 15, 20, 25, 26, 28, 30
- ** P3 GND PINS: 1, 5, 6, 11, 15, 18, 20, 24, 25, 27, 29, 32

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