

MAIN (J2)

PIN	FUNCTION	ASSIGNMENT	PIN	FUNCTION	ASSIGNMENT
1	GND		31	MOT CMD D	} SIGNALS TO SERVO AMPS
2	+5V		32	AMP EN D	
3	ERROR		33	A+ A	} TV FILTER
4	RESET		34	A- A	
5	SWITCH COM.		35	B+ A	
6	FWD LIM A		36	B- A	
7	REV LIM A	} TV FILTER	37	I+ A (AUX)	} ENCODER SIGNALS
8	HOME A				
9	FWD LIM B	} TV FOCUS	39	A+ B	
10	REV LIM B				
11	HOME B	} LIMIT SWITCH SIGNALS	41	B+ B	} TV FOCUS
12	FWD LIM C				
13	REV LIM C		SPARE	43	I+ B (AUX)
14	HOME C			44	I- B (AUX)
15	FWD LIM D	} SPARE	45	A+ C	} SPARE
16	REV LIM D				
17	HOME D		46	A- C	
18	OUTPUT 1		47	B+ C	
19	INPUT COM.		48	B- C	} SPARE
20	INPUT 1		49	I+ C (AUX)	
21	INPUT 2		50	I- C (AUX)	
22	INPUT 3		51	A+ D	} SPARE
23	INPUT 4		52	A- D	
24	ABORT		53	B+ D	
25	MOT CMD A	} TV FILTER	54	B- D	
26	AMP EN A				
27	MOT CMD B	} TV FOCUS	55	I+ D (AUX)	} SIGNALS TO SERVO AMPS
28	AMP EN B				
29	MOT CMD C	} SPARE	56	I- D (AUX)	
30	AMP EN C				
			57	+12V	
			58	-12V	
			59	+5V	
			60	GND	

GENERAL I/O (J5)

PIN	FUNCTION	ASSIGNMENT
1	ANALOG 1	ANALOG IN 1
2	ANALOG 2	ANALOG IN 2
3	ANALOG 3	ANALOG IN 3
4	ANALOG 4	-
5	ANALOG 5	
6	ANALOG 6	
7	ANALOG 7	
8	GND	
9	+5V	
10	OUTPUT 1	TV FILTER
11	OUTPUT 2	TV FOCUS
12	OUTPUT 3	SPARE
13	OUTPUT 4	SPARE
14	OUTPUT 5	ANALOG CONTROL 0
15	OUTPUT 6	ANALOG CONTROL 1
16	OUTPUT 7	ANALOG CONTROL 2
17	OUTPUT 8	-
18	INPUT 8	
19	INPUT 7	
20	INPUT 6	
21	INPUT 5	
22	INPUT 4	SPARE
23	INPUT 3	SPARE
24	INPUT 2	TV FOCUS
25	INPUT 1	TV FILTER
26	INPUT COM.	

AUXILIARY ENCODER (J3)

PIN	FUNCTION	ASSIGNMENT
1	SAMPLE CLK	
2	RESERVED	
3	B- D	
4	B+ D	
5	A- D	
6	A+ D	
7	B- C	
8	B+ C	
9	A- C	
10	A+ C	
11	B- B	
12	B+ B	
13	A- B	
14	A+ B	
15	B- A	
16	B+ A	
17	A- A	
18	A+ A	
19	+5V	
20	GND	

NOTE: THOUGH NOTED AS X, Y, Z, AND W-AXIS
WE HAVE DESIGNATED THESE AS A, B, C,
AND D-AXIS

ALSO SEE EL-3026

UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY

SIGNAL ASSIGNMENTS
FIRST BANK OF CONNECTORS, CONTROLLER #1
DEIMOS SPECTROGRAPH

REVISION

06-19-97 REMOVED SLIT MIRROR STAGE AND ADDED ANALOG IN AND CONTROL SIGNALS
11-12-97 CLEANED UP SOME SIGNALS
02-22-00 REMOVED TV APERTURE STAGE & CORRECTED LOGIC
06-30-00 ADDED NOTE ABOUT AXIS DESIGNATIONS
06-30-00 CHANGED FUNCTION DESIGNATIONS FROM X, Y, Z, W TO A, B, C, D

DES'N BY: T. Ricketts

ORIGIN DATE: 04-05-95

DWG. NO.

NUM. 1 OF 1

DRAWN BY:

MODIFY DATE: 06-30-00

PATH: DEIMOS\SIGNALS1

REV. A

EL-3020