

MAIN (JD2)

PIN	FUNCTION	ASSIGNMENT	PIN	FUNCTION	ASSIGNMENT
1	GND		31	MOT CMD H	} SPARE SIGNALS TO SERVO AMPS
2	+5V		32	AMP EN H	
3	NC		33	A+ E	} CCD FOCUS
4	NC		34	A- E	
5	LIM COMMON		35	B+ E	
6	FWD LIM E	} CCD FOCUS	36	B- E	
7	REV LIM E			37	I+ E
8	HOME E	} CCD TRANSLATION	38	I- E	} ENCODERS
9	FWD LIM F			39	
10	REV LIM F	} CCD TRANSLATION	40	A- F	
11	HOME F			41	
12	FWD LIM G	} FILTER WHEEL	42	B- F	} CCD TRANSLATION
13	REV LIM G			43	
14	HOME G	} SPARE	44	I- F	} ENCODERS
15	FWD LIM H			45	
16	REV LIM H		46	A- G	
17	HOME H		47	B+ G	
18	OUTPUT 9		48	B- G	} (18V MOTOR SPARE)
19	INPUT COM.		49	I+ G	
20	LATCH E		50	I- G	} (18V MOTOR SPARE)
21	LATCH F		51	A+ H	
22	LATCH G		52	A- H	
23	LATCH H		53	B+ H	
24	INPUT 24		54	B- H	} CCD FOCUS
25	MOT CMD E	} CCD TRANSLATION	55	I+ H	
26	AMP EN E			56	I- H
27	MOT CMD F	} CCD TRANSLATION	57	+12V	} SIGNALS TO SERVO AMPS
28	AMP EN F			58	
29	MOT CMD G	} FILTER WHEEL	59	+5V	
30	AMP EN G			60	GND

GENERAL I/O (JD5)

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

AUXILIARY ENCODER (JD3)

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

NOTE: THOUGH NOTED AS X, Y, Z, AND W-AXIS WE HAVE DESIGNATED THESE AS E, F, G, AND H-AXIS

ALSO SEE EL-3027

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		SIGNAL ASSIGNMENTS	
		SECOND BANK OF CONNECTORS CONTROLLER #1 DEIMOS SPECTROGRAPH	
REVISION		DES'N BY: B. Alcott	ORIGIN DATE: 04-05-95
06-19-97 RE-ARRANGED STAGES 03-18-98 ADDED FILTER WHEEL TO CHANNEL 'G' 02-22-00 CORRECTED LOGIC ON 'HOME' SIGNALS 03-13-00 MOVED FIDUCIAL AND SECONDARY LIMIT TO CORRECT PIN NUMBERS 06-30-00 ADDED NOTE ABOUT AXIS DESIGNATIONS		DRAWN BY:	MODIFY DATE: 06-30-00
		PATH: DEIMOS\SIGNALS2	REV. A
		DWG. NO.	NUM. 1 OF 1
		EL-3021	