

MAIN (J2)

PIN	FUNCTION	ASSIGNMENT	PIN	FUNCTION	ASSIGNMENT
1	GND		31	MOT CMD W	SIGNALS TO SERVO AMPS
2	+5V		32	AMP EN W	
3	ERROR		33	A+ X	TV FOCUS
4	RESET		34	A- X	
5	SWITCH COM.		35	B+ X	SLIT MASK
6	FWD LIM X	SLIT MASK	36	B- X	
7	REV LIM X		LIMIT SWITCH SIGNALS	37	I+ X
8	HOME X	FILTER WHEEL		38	I- X
9	FWD LIM Y		APERTURE	39	A+ Y
10	REV LIM Y	TV FOCUS		40	A- Y
11	HOME Y		APERTURE	41	B+ Y
12	FWD LIM Z	APERTURE		42	B- Y
13	REV LIM Z		APERTURE	43	I+ Y
14	HOME Z	APERTURE		44	I- Y
15	FWD LIM W		APERTURE	45	A+ Z
16	REV LIM W	APERTURE		46	A- Z
17	HOME W		APERTURE	47	B+ Z
18	OUTPUT 1	APERTURE		48	B- Z
19	INPUT COM.		TV FOCUS	49	I+ Z
20	INPUT 1	TV FOCUS		50	I- Z
21	INPUT 2		TV FOCUS	51	A+ W
22	INPUT 3	TV FOCUS		52	A- W
23	INPUT 4		TV FOCUS	53	B+ W
24	ABORT	TV FOCUS		54	B- W
25	MOT CMD X		SLIT MASK	55	I+ W
26	AMP EN X	SLIT MASK		56	I- W
27	MOT CMD Y		FILTER WHEEL	57	+12V
28	AMP EN Y	FILTER WHEEL		58	-12V
29	MOT CMD Z		APERTURE	59	+5V
30	AMP EN Z	APERTURE		60	GND

GENERAL I/O (J5)

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

AUXILIARY ENCODER (J3)

PIN	FUNCTION	ASSIGNMENT
1	SAMPLE CLK	
2	RESERVED	
3	B- W	APERTURE WHEEL
4	B+ W	
5	A- W	FILTER WHEEL
6	A+ W	
7	B- Z	MOTOR ENCODERS (DUAL-LOOP)
8	B+ Z	
9	A- Z	SLIT MASK
10	A+ Z	
11	B- Y	
12	B+ Y	
13	A- Y	
14	A+ Y	
15	B- X	
16	B+ X	
17	A- X	
18	A+ X	
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

UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY

SIGNAL ASSIGNMENTS
CONTROLLER #0, 1ST BANK
ESI SPECTROGRAPH

REVISION

9-11-97 ADDED APERTURE WHEEL SECONDARY ENCODER WIRING
11/19/97 NOTED RENISHAW AND MOTOR ENCODERS AND ADDED NOTE

DES'N BY: B. Alcott

ORIGIN DATE: 2/19/96

DWG. NO.

NUM. 1 OF 1

DRAWN BY:

MODIFY DATE: 11/19/97

PATH: ESI\SIGNALS1

REV. A

EL-3320-1D