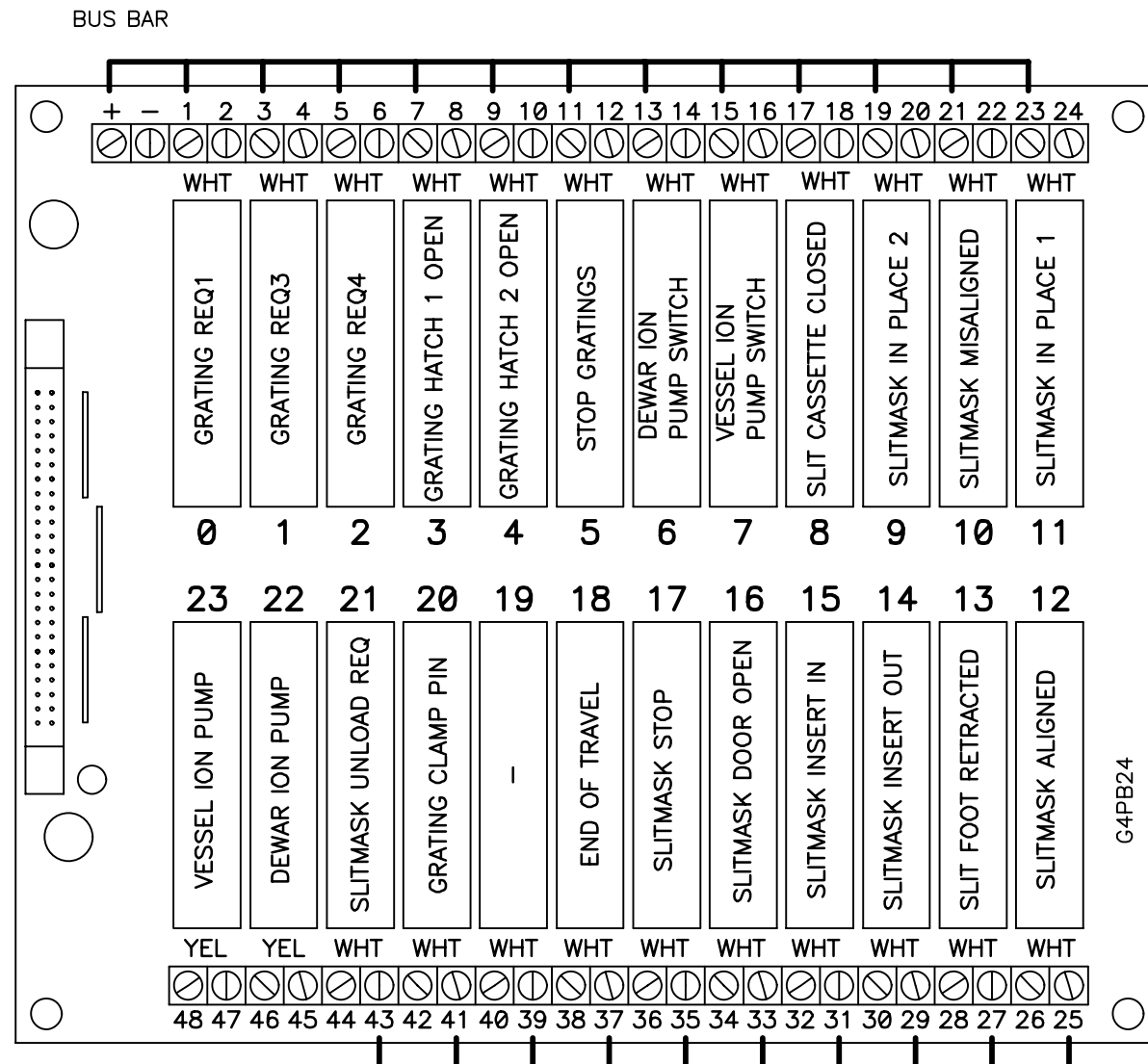


CABLE 5 INPUT PORTS CONTROLLER #2

J5

CH	BIT	PIN	FUNCTION	CH	BIT	PIN	FUNCTION	CH	BIT	PIN	FUNCTION
0	49	47	GRATING REQ1	8	57	31	SLIT CASSETTE CLOSED	16	65	15	SLITMASK DOOR OPEN
1	50	45	GRATING REQ3	9	58	29	SLITMASK IN PLACE 2	17	66	13	SLITMASK STOP
2	51	43	GRATING REQ4	10	59	27	SLITMASK MISALIGNED	18	67	11	END OF TRAVEL
3	52	41	GRATING HATCH 1 OPEN	11	60	25	SLITMASK IN PLACE 1	19	68	9	-
4	53	39	GRATING HATCH 2 OPEN	12	61	23	SLITMASK ALIGNED	20	69	7	GRATING CLAMP PIN
5	54	37	STOP GRATINGS	13	62	21	SLIT FOOT RETRACTED	21	70	5	SLITMASK UNLOAD REQ
6	55	35	DEWAR ION PUMP SWITCH	14	63	19	SLITMASK INSERT OUT	22	71	3	DEWAR ION PUMP OK
7	56	33	VESSEL ION PUMP SWITCH	15	64	17	SLITMASK INSERT IN	23	72	1	VESSEL ION PUMP OK



INSTRUMENT CONTROLLER
CONTROLLER #2
BOARD #5

CONTROL PANEL #5

BIT	PIN	OUTPUT BARRIER STRIP				
		TO	TO	TO		
	VCC	TBC-18R				
	GND	TBD-21L				
49	1	+5V	PN5-VCC	PN5-3	G4IDC5A	GRATING REQ1
	2	J57-2				
50	3	PN5-1	PN5-5		G4IDC5A	GRATING REQ3
	4	J57-3				
51	5	PN5-3	PN5-7		G4IDC5A	GRATING REQ4
	6	J57-4				
52	7	PN5-5	PN5-9		G4IDC5A	GR HATCH 1 OPEN
	8	J57-6				
53	9	PN5-7	PN5-11		G4IDC5A	GR HATCH 2 OPEN
	10	J57-12				
54	11	PN5-9	PN5-13		G4IDC5A	STOP GRATINGS
	12	J57-5				
55	13	PN5-11	PN5-15		G4IDC5A	DEWAR ION SWITCH OK
	14	J48-12				
56	15	PN5-13	PN5-17		G4IDC5A	VESSEL ION SWITCH OK
	16	J55-12				
57	17	PN5-15	PN5-19		G4IDC5A	CASSETTE OPEN
	18	J49-3				
58	19	PN5-17	PN5-21		G4IDC5A	SLITMASK IN PLACE 2
	20	J49-1				
59	21	PN5-19	PN5-23		G4IDC5A	SLITMASK MISALIGNED
	22	J49-9				
60	23	PN5-21			G4IDC5A	SLITMASK IN PLACE 1
	24	J49-7				
61	25		PN5-27		G4IDC5A	SLITMASK ALIGNED
	26	J49-11				
62	27	PN5-25	PN5-29		G4IDC5A	SLIT FOOT RETRACTED
	28	J49-5				
63	29	PN5-27	PN5-31		G4IDC5A	SLITMASK INSERT OUT
	30	J42-8				
64	31	PN5-29	PN5-33		G4IDC5A	SLITMASK INSERT IN
	32	J42-7				
65	33	PN5-31	PN5-35		G4IDC5A	SLITMASK DOOR OPEN
	34	J56-6				
66	35	PN5-33	PN5-37		G4IDC5A	SLITMASK STOP
	36	J56-5				
67	37	PN5-35	PN5-39		G4IDC5A	END OF TRAVEL
	38	-				
68	39	PN5-37	PN5-41		-	-
	40	-				
69	41	PN5-39	PN5-43		G4IDC5A	GRATING CLAMP PIN
	42	J60-1				
70	43	PN5-41	TBC-11R		G4IDC5A	SLITMASK UNLOAD REQ
	44	J56-1				
71	45	J48-1			G4IAC5A	DEWAR ION PUMP
	46	J48-2				
72	47	J55-1			G4IAC5A	VESSEL ION PUMP
	48	J55-2				

NOTE: TB => TERMINAL STRIP
PN => OPTO-22 RELAY PANEL
J => CONNECTOR ON PANEL
* => USE 18 GAUGE WIRE

REVISION

- 10-18-99 ADDED *MASK_IN_PLACE_2* INFO
- 11-07-00 ADDED *SLIT CASSETTE OPEN* SIGNAL TO INPUT CHANNEL 8
- 11-27-00 CHANGED PIN 32 (LEFT HAND TABLE) FROM J42-6 TO J42-7
- 01-02-01 CORRECTED CHANNEL 8 - SLIT CASSETTE CLOSED AND REMOVED BAR ON CHANNEL 11
- 01-03-01 REMOVED SLITMASK REQ LINES AND ADDED SLITMASK UNLOAD REQ SIGNAL
- 02-12-01 ADDED END OF TRAVEL SIGNAL TO CHANNEL 18
- 08-17-01 ADDED SIGNAL FOR GRATING SELECT PIN TO CHANNEL 20
- 02-25-02 ADDED GRATING CLAMP PIN SIGNAL PIN NUMBER - J60-1

UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY

INPUT PORT ASSIGNMENTS 49-72
CONTROLLER #2 OPTO-22
DEIMOS SPECTROGRAPH

DES'N BY: B. Alcott

ORIGIN DATE: 12-18-95

DWG. NO.

NUM. 1 OF 1

DRAWN BY:

MODIFY DATE: 02-25-02

PATH: DEIMOS\IN5

REV.A

EL-3038

EL-3038-2D

BOARD #5