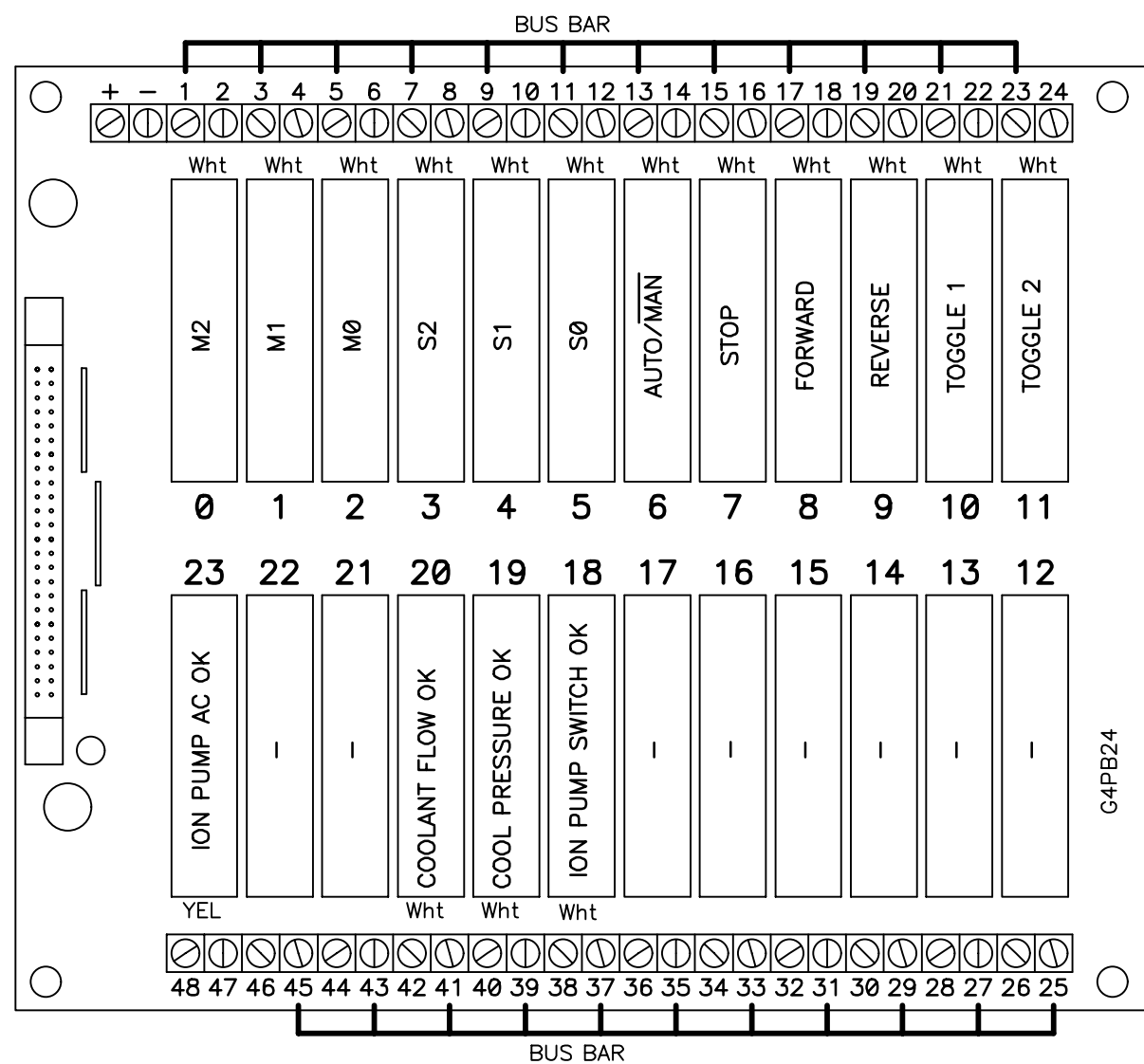


CABLE 3 INPUT PORTS

J3

CH	BIT	PIN	FUNCTION	CH	BIT	PIN	FUNCTION	CH	BIT	PIN	FUNCTION	
0	73	47	M2	MANUAL CONTROL PADDLE	8	81	FWD	MANUAL CONTROL PADDLE	16	89	-	
1	74	45	M1		9	82	REV		17	90	13	-
2	75	43	M0		10	83	TOGGLE1		18	91	11	ION PUMP SWITCH OK
3	76	41	S2		11	84	TOGGLE2		19	92	9	COOLANT PRESSURE IS OK
4	77	39	S1		12	85	-		20	93	7	COOLANT FLOW IS OK
5	78	37	S0		13	86	-		21	94	5	-
6	79	35	AUTO/MAN		14	87	-		22	95	3	-
7	80	33	STOP	15	88	-	23	96	1	ION PUMP AC OK		

BOARD #3
CONTROLLER #0



G4PB24

BOARD #3
CONTROLLER #0

BIT	PIN	OUTPUT BARRIER STRIP					
		TO	TO	TO			
	VCC						
	GRD						
73	1	+5V	TBA-15	PN3-3	G4IDC5D	M2	0
	2	J9-1					
74	3	PN3-1	PN3-5		G4IDC5D	M1	1
	4	J9-2					
75	5	PN3-3	PN3-7		G4IDC5D	M0	2
	6	J9-3					
76	7	PN3-5	PN3-9		G4IDC5D	S2	3
	8	J9-4					
77	9	PN3-7	PN3-11		G4IDC5D	S1	4
	10	J9-5					
78	11	PN3-9	PN3-13		G4IDC5D	S0	5
	12	J9-6					
79	13	PN3-11	PN3-15		G4IDC5D	AUTO/MAN	6
	14	J9-7					
80	15	PN3-13	PN3-17		G4IDC5D	STOP	7
	16	J9-8					
81	17	PN3-15	PN3-19		G4IDC5D	FWD	8
	18	J9-9					
82	19	PN3-17	PN3-21		G4IDC5D	REV	9
	20	J9-10					
83	21	PN3-19	PN3-23		G4IDC5D	TOGGLE1	10
	22	J9-11					
84	23	PN3-21	PN3-25		G4IDC5D	TOGGLE2	11
	24	J9-12					
85	25	PN3-23	PN3-27		-	-	12
	26	-					
86	27	PN3-25	PN3-29		-	-	13
	28	-					
87	29	PN3-27	PN3-31		-	-	14
	30	-					
88	31	PN3-29	PN3-33		-	-	15
	32	-					
89	33	PN3-31	PN3-35		-	-	16
	34	-					
90	35	PN3-33	PN3-37		-	-	17
	36	-					
91	37	PN3-35	PN3-39		G4IDC5D	ION PUMP SW OK	18
	38	J44-11					
92	39	PN3-37	PN3-41		G4IDC5D	COOLANT PRES. OK	19
	40	J41-1					
93	41	PN3-39	PN3-43		G4IDC5D	COOLANT FLOW OK	20
	42	J41-4					
94	43	PN3-41	PN3-45		-	-	21
	44	-					
95	45	PN3-43	-		-	-	22
	46	-					
96	47	J44-1			G4IAC5	ION PUMP AC OK	23
	48	J44-2					

NOTE:

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

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		INPUT PORT ASSIGNMENTS 73-96 DMC-1500-72 OPTO-22 I/O EXPANSION ESI INSTRUMENT CONTROLLER	
DES'N BY: B. Alcott	ORIGIN DATE: 03-13-97	DWG. NO.	NUM. 1 OF 1
DRAWN BY:	MODIFY DATE: 1-11-99	EL-3337-2D	
PATH: ESININ3	REVA		

REVISION

- 09-12-97 COMBINED DRAWINGS TO PRESENT ALL INFO IN ONE PLACE
- 11-19-97 MOVED HATCH TO CONTROLLER #1
- 01-15-98 CHANGED IMAGE AND LOW DISP FLATS TO SERVO MOTORS - MOVED COOLANT SIGNALS FROM BOARD 2
- 03-03-98 ADDED RELAY COLOR & 'BARRED' SIGNAL NAMES IN BARRIER STRIP TABLE
- 7/24/98 ADDED ION PUMP CONTROLLER SIGNALS
- 1-11-99 MOVED AIR PRESSURE SWITCH TO BOARD #6

EL-3337-2D