

GALIL DMC-4040  
J2 GENERAL I/O AXES A THRU D

GALIL	TO	FUNCTION	GALIL	TO	FUNCTION
1 Error output*	-	-	23 Reverse limit B-isolated	FIL-I	DEWAR FOCUS
2 Input 1-isolated	FOC-L	GRTAING TILT DRIVE ERROR SIGNAL	24 Reverse limit C-isolated	SP2-I	STAGE C
3 Input 4-isolated	SP3-L	DRIVE ERROR SIGNAL - STAGE D	25 Reverse limit D-isolated	SP3-I	STAGE D
4 Input 7-isolated	-	-	26 NC	-	-
5 Elect Lockout-iso. input*	-	-	27 Output 2-isolated	FIL-L	DEWAR FOCUS 24DISABLE__B
6 Limit switch common	TB2-5	ISO5V	28 Output 5-isolated	-	-
7 Home A-isolated	FOC-J	GRATING TILT	29 Output 8-isolated	-	-
8 Home B-isolated	FIL-J	DEWAR FOCUS	30 +5 V out	-	-
9 Home C-isolated	SP2-J	STAGE C	31 Ground	-	-
10 Home D-isolated	SP3-J	STAGE D	32 Input 2-isolated	FIL-L	DEWAR FOCUS DRIVE ERROR SIGNAL
11 Output power+	TB1-12	+24V SUPPLY	33 Input 5-isolated	-	-
12 Output 3-isolated	SP2 -L	STAGE C 24DISABLE__C	34 Input 8-isolated	-	-
13 Output 6-isolated	-	-	35 Ground	-	-
14 Output return-	TB1-11	+24V RETURN	36 Forward limit A-isolated	FOC-H	GRATING TILT
15 +5 V out	-	-	37 Forward limit B-isolated	FIL-H	DEWAR FOCUS
16 Reset-isolated*	-	-	38 Forward limit C-isolated	SP2-H	STAGE C
17 Input common	TB2-5	ISO5V	39 Forward limit D-isolated	SP3-H	STAGE D
18 Input 3-isolated	SP2-L	DRIVE ERROR SIGNAL - STAGE C	40 Ground	-	-
19 Input 6-isolated	-	-	41 Output 1-isolated	FOC-L	GRATING TILT 24DISABLE__A
20 Abort-isolated*	-	-	42 Output 4-isolated	SP3-L	STAGE D 24DISABLE__D
21 NC	-	-	43 Output 7-isolated	-	-
22 Reverse limit A-isolated	FOC-I	GRATING TILT	44 Output Compare A-D	-	-

STAGE A = GRT (GRATING TILT)  
 STAGE B = DWF (DEWAR FOCUS)  
 STAGE C = SP2 (SPARE 2)  
 STAGE D = SP3 (SPARE 3)

REVISIONS [http://loel.ucolick.org/manual/Hamilton\\_II/schematics/HAM\\_II\\_box\\_2\\_wiring\\_sh\\_3.pdf](http://loel.ucolick.org/manual/Hamilton_II/schematics/HAM_II_box_2_wiring_sh_3.pdf)

02-05-10 ADDED 24DISABLE SIGNALS  
 11-01-10 SWAPPED GRATING TILT & DEWAR FOCUS WITH GUIDE CAMERA FOCUS AND FILTER STAGES TO ALLOW USE OF CN1,-1 ON HARDY AND CN1,1 ON LAUREL.

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		SECOND CONTROLLER BOX GENERAL I/O WIRING HAMILTON SPECTROGRAPH II	
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