

GALIL DMC-4080  
J2 GENERAL I/O AXES A THRU D

GALIL	TO	FUNCTION	GALIL	TO	FUNCTION
1 Error output*	-	-	23 Reverse limit B-isolated	-	DEWAR HEIGHT REVERSE LIMIT
2 Input 1-isolated	-	GUIDE CAMERA FOCUS DRIVE ERROR SIGNAL	24 Reverse limit C-isolated	-	GUIDE CAMERA FILTER REVERSE LIMIT
3 Input 4-isolated	-	SLIT STAGE DRIVE ERROR SIGNAL	25 Reverse limit D-isolated	-	SLIT STAGE REVERSE LIMIT
4 Input 7-isolated	J3-C	(SPARE INPUT 2)	26 NC	-	-
5 Elect Lockout-iso. input*	-	-	27 Output 2-isolated	-	-
6 Limit switch common	-	-	28 Output 5-isolated	-	-
7 Home A-isolated	-	GUIDE CAMERA FOCUS HOME	29 Output 8-isolated	J3-D	(SPARE INPUT 3)
8 Home B-isolated	-	DEWAR HEIGHT HOME	30 +5 V out	-	-
9 Home C-isolated	-	GUIDE CAMERA FILTER HOME	31 Ground	-	-
10 Home D-isolated	-	SLIT STAGE HOME	32 Input 2-isolated	-	DEWAR HEIGHT DRIVE ERROR SIGNAL
11 Output power+	-	-	33 Input 5-isolated	J3-A	(SPARE INPUT 1)
12 Output 3-isolated	-	-	34 Input 8-isolated	-	-
13 Output 6-isolated	-	-	35 Ground	-	-
14 Output return-	-	-	36 Forward limit A-isolated	-	GUIDE CAMERA FOCUS FORWARD LIMIT
15 +5 V out	-	-	37 Forward limit B-isolated	-	DEWAR HEIGHT FORWARD LIMIT
16 Reset-isolated*	-	-	38 Forward limit C-isolated	-	GUIDE CAMERA FILTER FORWARD LIMIT
17 Input common	-	-	39 Forward limit D-isolated	-	SLIT STAGE FORWARD LIMIT
18 Input 3-isolated	-	GUIDE CAMERA FILTER DRIVE ERROR SIGNAL	40 Ground	-	-
19 Input 6-isolated	-	-	41 Output 1-isolated	-	-
20 Abort-isolated*	-	-	42 Output 4-isolated	-	-
21 NC	-	-	43 Output 7-isolated	-	-
22 Reverse limit A-isolated	-	GUIDE CAMERA FOCUS REVERSE LIMIT	44 Output Compare A-D	-	-

AXIS A: GUIDE CAMERA FOCUS  
 AXIS B: DEWAR HEIGHT  
 AXIS C: GUIDE CAMERA FILTER  
 AXIS D: SLIT STAGE

REVISIONS [http://loel.ucolick.org/manual/Hamilton\\_II/schematics/HAM\\_II\\_box\\_wiring\\_sh\\_8.pdf](http://loel.ucolick.org/manual/Hamilton_II/schematics/HAM_II_box_wiring_sh_8.pdf)

02-16-10 COMPLETED FUNCTION CALL-OUTS - HOME AND LIMITS  
 09-23-10 ADDED SIGNALS FOR SPARE INPUTS 1,2, &3 AT INPUT 5, INPUT 7 AND INPUT 8 RESPECTIVELY  
 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		8-CHANNEL CONTROLLER GENERAL I/O A - D HAMILTON SPECTROGRAPH II	
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