

GALIL DMC-4080  
J1 AMPLIFIER I/O AXES A THRU D

GALIL	TO	FUNCTION	GALIL	TO	FUNCTION
1 Reserved	-	-	23 Amp enable C	J13- E	GUIDE CAMERA FILTER ENABLE
2 PWM C/Step C	J13 - F	GUIDE CAMERA FILTER STEP	24 NC	-	-
3 Reserved	-	-	25 +12 V out	-	-
4 Reserved	-	-	26 Reserved	-	-
5 Sign C/Dir C	J13 - G	GUIDE CAMERA FILTER DIRECTION	27 Motor command C	-	-
6 Reserved	-	-	28 Reserved	-	-
7 Amp enable A	J11- E	GUIDE CAMERA FOCUS ENABLE	29 NC	-	-
8 Amp enable D	J14- E	SLIT STAGE ENABLE	30 NC	-	-
9 NC	-	-	31 PWM B/Step B	J12 - F	DEWAR HEIGHT STEP
10 -12V out	-	-	32 Reserved	-	-
11 Motor command B	-	-	33 Ground	-	-
12 Reserved	-	-	34 Sign B/Dir B	J12 - G	DEWAR HEIGHT DIRECTION
13 NC	-	-	35 Reserved	-	-
14 NC	-	-	36 Ground	-	-
15 +5 V out	-	-	37 Amp enable B	J12- E	DEWAR HEIGHT ENABLE
16 PWM A/Step A	J11 - F	GUIDE CAMERA FOCUS STEP	38 Amp enable common-2	-	-
17 Reserved	-	-	39 Ground	-	-
18 PWM D/Step D	J14 - F	SLIT STAGE STEP	40 Motor command A	-	-
19 Sign A/Dir A	J11 - G	GUIDE CAMERA FOCUS DIRECTION	41 Reserved	-	-
20 Reserved	-	-	42 Motor command D	-	-
21 Sign D/Dir D	J14 - G	SLIT STAGE DIRECTION	43 Ground	-	-
22 Amp enable common-1	-	-	44 NC	-	-

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

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		8-CHANNEL CONTROLLER EXT. DRIVERS A - D HAMILTON SPECTROGRAPH II	
DES'N BY: B. Alcott	ORIGIN DATE: 06-27-08	DWG. NO.	NUM. 6 OF 12
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REVISIONS [http://loel.ucolick.org/manual/Hamilton\\_II/schematics/HAM\\_II\\_box\\_wiring\\_sh\\_6.pdf](http://loel.ucolick.org/manual/Hamilton_II/schematics/HAM_II_box_wiring_sh_6.pdf)  
 02-16-10 COMPLETED FUNCTION CALL-OUTS - ADDED ENABLE, DIRECTION AND STEP  
 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.