



SIGNAL REFERENCES	
ENABLE:	OPTICALLY ISOLATED 5-12V GALIL +5V
DIR:	OPTICALLY ISOLATED 5V IS05V
STEP:	OPTICALLY ISOLATED 5V IS05V
ERROR:	OPTICALLY ISOLATED 5-24V IS05V

MS3102A20-27S

REVISIONS [http://loel.ucolick.org/manual/Hamilton\\_II/schematics/HAM\\_II\\_stage\\_test\\_box\\_sh\\_1.pdf](http://loel.ucolick.org/manual/Hamilton_II/schematics/HAM_II_stage_test_box_sh_1.pdf)

07-06-09 ADDED ENCODER +5V LED  
11-04-09 CHANGED DRAWING NUMBER FROM EL-4010 TO EL-4030 TO MAKE ROOM FOR SLIT ROOM WIRING DRAWING

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		STAGE TEST BOX HAMILTON SPECTROGRAPH II	
DES'N BY: B. Alcott	ORIGIN DATE: 05-26-09	DWG. NO.	NUM. 1 OF 1
Last SN	MODIFY DATE: 11-04-09	EL-4030	REV. A
PRINT TIME: 06:40:00	PRINT DATE: Fri Mar 12, 2010		
PATH: Hamilton_II\		HAM_II_stage_test_box.sch	