

MAIN MOTOR CABLE (J404, J301, J501, J601)

BOX MOUNT: MS3122E14-5S
STRAIGHT PLUG: MS3126F14-5P

PIN	TO	SIGNAL	FUNCTION
A	J601-A	MOT1	MOTOR POWER
B	J601-B	MOT2	MOTOR POWER
C	J601-C	MOTOR_CONN	MOTOR CABLE CONNECTED SIGNAL
D	J601-D	GND	GND
E	J601-E	-	-

MOTOR ENCODER CABLE (J602)

BOX MOUNT: MS3122E12-10S
STRAIGHT PLUG: MS3126F12-10P

PIN	TO	SIGNAL	FUNCTION
A	-	-	NC
B	J502-g	+5V	+5V
C	J502-Z	GND	GND
D	J502-AA	MOTOR_ENCD_CONN	MOTOR ENCODER CABLE CONNECTED
E	J502-c	A-	MAIN ENCODER A-
F	J502-X	A+	MAIN ENCODER A+
G	J502-b	B-	MAIN ENCODER B-
H	J502-W	B+	MAIN ENCODER B+
J	J502-a	I-	MAIN ENCODER INDEX-
K	J502-V	I+	MAIN ENCODER INDEX+

LOAD ENCODER CABLE (J603)

BOX MOUNT: MS3122E12-10P
STRAIGHT PLUG: MS3126F12-10S

PIN	TO	SIGNAL	FUNCTION
A	J502-BB	LOAD_ENCD_CONN	LOAD ENCODER CABLE CONNECTED
B	J502-g	+5V	+5V
C	J502-Z	GND	GND
D	-	-	NC
E	J502-d	AA-	AUXILIARY ENCODER A-
F	J502-e	AA+	AUXILIARY ENCODER A+
G	J502-f	AB-	AUXILIARY ENCODER B-
H	J502-Y	AB+	AUXILIARY ENCODER B+
J	NC	NC	AUXILIARY ENCODER INDEX-
K	NC	NC	AUXILIARY ENCODER INDEX+

FORWARD PRISM CELL LIMITS (J604)

BOX MOUNT: MS3122E18-11S
STRAIGHT PLUG: MS3126F18-11P

PIN	TO	SIGNAL	FUNCTION
A	J502-S	V_LIMIT	V_LIMIT
B	J502-T	GND	GND
C	J502-u	FWD_DEP_2ND	FORWARD CELL DEPLOY SECONDARY
D	J502-U	FWD_LIM	FORWARD LIMIT (DEPLOYED)
E	J502-R	HOME	FORWARD CELL HOME SIGNAL
F	J502-t	FWD_RET_2ND	FORWARD CELL RETRACT SECONDARY
G	J502-P	REV_LIM	REVERSE LIMIT (RETRACT)
H	J502-CC	FWD_CELL_CONN	FORWARD CELL CABLE CONNECTED
J	J502-T	GND	GND
K	J502-G	-	-
L	J502-H	-	-

REVISIONS

http://loel.ucolick.org/manual/ADC/schematics/ADC_stage_cables_SH2.sch.pdf

05-05-04 CHANGED SIGNAL SENSE OF THE HALL-EFFECT OUTPUTS - OUTPUT HIGH WHEN SWITCH IS BLOCKED - ALL SHEETS
06-14-04 CORRECTED MAIN MOTOR CABLE WIRING PINOUT

UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY

KECK ADC
STAGE CABLES

DES'N BY: B. Alcott

ORIGIN DATE: 04-14-04

DWG. NO. NUM. 2 OF 3

Last SN

MODIFY DATE: 06-14-04

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REV.
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ADC_stage_cables.sch