

E-STOP (J201)

BOX MOUNT: MS3122E12-3P
STRAIGHT PLUG: MS3126F12-3S

POWER ENTRY
MODULE

PIN	TO	SIGNAL	FUNCTION
A	-	AC-H	AC POWER HOT
B	-	AC-N	AC POWER NEUTRAL
C	-	GND	GND

MANUAL CONTROL PADDLE CABLE (J202)

BOX MOUNT: MS3122E16-8S
STRAIGHT PLUG: MS3126E16-8P

MS CONNECTOR
16-8 INSERT

PIN	TO	SIGNAL	FUNCTION
A	-	+24V	+24V
B	-	DEPLOY_A	FROM DEPLOY PUSHBUTTON
C	-	DEPLOY_B	FROM DEPLOY PUSHBUTTON
D	-	RETRACT_A	FROM RETRACT PUSHBUTTON
E	-	RETRACT_B	FROM RETRACT PUSHBUTTON
F	-	MAN_PADDLE_CONN	LOW WHEN PADDLE CONNECTED
G	-	LOCAL/REMOTE	LOW WHEN REMOTE IS SELECTED
H	-	GND	24V RETURN

AC POWER (J401)

POWER ENTRY
MODULE

PIN	TO	SIGNAL	FUNCTION
A	PULIZZI CH. 3	AC-H	AC POWER HOT
B	PULIZZI CH. 3	AC-N	AC POWER NEUTRAL
C	PULIZZI CH. 3	GND	GND

+24V SUPPLY (J402)

BOX MOUNT: MS3122E8-3P
STRAIGHT PLUG: MS3126F8-3S

MS CONNECTOR
8-3 INSERT

PIN	TO	SIGNAL	FUNCTION
A	SERVO SUPPLY +	+24V	+24V
B	SERVO SUPPLY -	+24V RTN	GND
C	SERVO SUPPLY -	+24V RTN	GND

MOTOR DRIVE IN (J403)

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

MS CONNECTOR
14-5 INSERT

PIN	TO	SIGNAL	FUNCTION
A	AMP X-AXIS PIN 2	MOT1	MOTOR POWER
B	AMP X-AXIS PIN 4	MOT2	MOTOR POWER
C	J403-C	MOTOR_CONN	MOTOR CABLE CONNECTED OUT
D	IOM-20	MOTOR_CONN	MOTOR CABLE CONNECTED IN
E	-	-	-

MOTOR DRIVE OUT (J404)

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

MS CONNECTOR
14-5 INSERT

PIN	TO	SIGNAL	FUNCTION
A	J301-A	MOT1	MOTOR POWER
B	J301-B	MOT2	MOTOR POWER
C	J301-C	MOTOR_CONN	MOTOR CABLE CONNECTED SIGNAL
D	J301-D	GND	GND
E	J301-E	-	-

UNIVERSITY OF CALIFORNIA
LICK OBSERVATORY

KECK ADC
INTERLOCK CABLES

REVISIONS

http://loel.ucolick.org/manual/ADC/schematics/ADC_interlock_cables_SH1.sch.pdf

04-28-04 ADDED CONNECTOR PART NUMBERS
05-06-04 CORRECTED SENSE OF SIGNALS FROM HALL-EFFECT SWITCHES - NOW, BLOCKED = HIGH
06-14-04 REMOVED EMERGENCY NULL PADDLE AND ADDED LOCAL/REMOTE PADDLE TO J406
06-21-04 CORRECTED PIN OUT FOR J404
03-12-07 CORRECTED LOCAL/REMOTE LABEL

DES'N BY: B. Alcott

ORIGIN DATE: 04-22-04

DWG. NO.

NUM. 1 OF 2

Last SN

MODIFY DATE: 03-12-07

PRINT TIME: 09:29:58

PRINT DATE: Mon Mar 12, 2007

EL-3613

REV.
A

PATH: ADC\

ADC_interlock_cables.sch