

MAIN SIGNAL CABLE (J302 AND J502)

BOX MOUNT: MS3122E22-55S
STRAIGHT PLUG: MS3126F22-55P

PIN	TO: J302	TO: J502	SIGNAL	FUNCTION	COLOR
A	IOM PIN-34	-	I/OC57-64	GND	WH/YL/VI
B	IOM PIN-26	-	MAIN_CABLE_CONN	I/O BIT 63	WH/YL/BU
C	-	-	-	-	WH/YL/GN
D	-	-	-	-	WH/OR/GY
E	-	-	-	-	WH/OR/VI
F	-	-	-	-	WH/OR/BU
G	-	J604-K	-	(UNASSIGNED SPARES)	WH/OR/GN
H	-	J604-L	-	(UNASSIGNED SPARES)	WH/OR/YL
J	-	J605-K	-	(UNASSIGNED SPARES)	WH/RD/GY
K	-	J605-L	-	(UNASSIGNED SPARES)	WH/RD/VI
L	J406-8	SW4-4	EMERGENCY_STOP	STOP BUTTON PUSHED	WH/RD/BU
M	J406-10	SW4-3	GND	EMERGENCY STOP SWITCH	WH/RD/GN
N	IOM PIN-3	-	GND	IO COMMON 65-72	WH/RD/YL
P	J406-5	J604-G	REV_LIM	ADC STAGE REVERSE LIMIT	WH/RD/OR
R	J406-7	J604-E	HOME	ADC STAGE HOME POSITION	WH/BN/GY
S	IOM-2	J605-A	+5V	+5V	WH/BN/VI
T	IOM-1	J605-B, J604-B, J	GND	GND (ENCODERS)	WH/BN/BU
U	J406-6	J604-D	FWD_LIM	ADC STAGE FORWARD LIMIT	WH/BN/GN
V	AMP DB15 X-1	J602-K	I+	MAIN ENCODER I+	WH/BN/YL
W	AMP DB15 X-2	J602-H	B+	MAIN ENCODER B+	WH/BN/OR
X	AMP DB15 X-3	J602-F	A+	MAIN ENCODER A+	WH/BN/RD
Y	AMP DB15 X-4	J603-H	AB+	AUXILIARY ENCODER B+	WH/BK/GY
Z	AMP DB15 X-5	J602-C, J603-C	GND	GND	WH/BK/VI
a	AMP DB15 X-6	J602-J	I-	MAIN ENCODER I-	WH/BK/BU
b	AMP DB15 X-7	J602-G	B-	MAIN ENCODER B-	WH/BK/GN
c	AMP DB15 X-8	J602-E	A-	MAIN ENCODER A-	WH/BK/YL
d	AMP DB15 X-9	J603-E	AA-	AUXILIARY ENCODER A-	WH/BK/OR
e	AMP DB15 X-11	J603-F	AA+	AUXILIARY ENCODER A+	WH/BK/RD
f	AMP DB15 X-12	J603-G	AB-	AUXILIARY ENCODER B-	WH/BK/BN
g	AMP DB15 X-15	J602-B, J603-B	+5V	+5V	WH/GY

PIN	TO: J302	TO: J502	SIGNAL	FUNCTION	COLOR
h	-	-	-	-	WH/VI
i	INTERLOCKS	-	24V RTN	24V GND	WH/BU
j	-	-	-	-	WH/GN
k	-	-	-	-	WH/YL
m	-	-	-	-	WH/OR
n	-	-	-	-	
p	J406-1	-	GND	GND	WH/RD
q	-	-	-	-	
r	J406-4	J604-A	V_LIMIT	POWER FOR LIMITS	WH/BN
s	J406-9	J604-B	GND	GND	WH/BK
t	J406-2	J604-F	FWD_RET_2ND	SECONDARY LIMIT	WH
u	J406-3	J604-C	FWD_DEP_2ND	SECONDARY LIMIT	GY
v	IOM PIN-40	J605-F	AFT_RET_2ND	I/O BIT 51	VI
w	IOM PIN-39	J605-C	AFT_DEP_2ND	I/O BIT 52	BU
x	IOM PIN-38	J605-E	AFT_HOME	I/O BIT 53	GN
y	IOM PIN-1	-	GND	COMMON FOR I/O BITS 57-64	YL
z	-	-	-	-	
AA	IOM PIN-31	J602-D	MOTOR_ENCD_CONN	I/O BIT 58	OR
BB	IOM PIN-30	J603-A	LOAD_ENCD_CONN	I/O BIT 59	RD
CC	IOM PIN-29	J604-H	FWD_CELL_CONN	I/O BIT 60	BN
DD	IOM PIN-28	J605-H	AFT_CELL_CONN	I/O BIT 61	BK
EE	-	-	-	-	
FF	-	-	-	-	
GG	-	-	-	-	
HH	-	-	-	-	

REVISIONS http://loel.ucolick.org/manual/ADC/schematics/ADC_stage_cables_SH1.sch.pdf

- 04-21-04 ADDED SECOND SHEET
- 04-26-04 REMOVED DUPLICATE SIGNAL REMOTE_STOP_CONN FROM PIN GG
- 04-28-04 ADDED CONNECTOR PART NUMBERS
- 05-05-04 CHANGED SIGNAL SENSE OF THE HALL-EFFECT OUTPUTS - OUTPUT HIGH WHEN SWITCH IS BLOCKED - ALL SHEETS
- 06-09-04 REMOVED NULL PADDLE SIGNALS THAT NO LONGER EXIST
- 10-14-04 ADDED GROUNDS AT PINS M, GG, AND HH. CORRECTED EMERGENCY_STOP SIGNAL DESTINATION (J406-8)
- 05-16-05 ADDED WIRE COLOR COLUMN TO TABLE

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY		KECK ADC STAGE CABLES	
DES'N BY: B. Alcott	ORIGIN DATE: 04-14-04	DWG. NO. EL-3611	NUM. 1 OF 3
Last SN	MODIFY DATE: 05-16-05	REV. A	
PRINT TIME: 14:30:40	PRINT DATE: Mon May 16, 2005		
PATH: ADC\		ADC_stage_cables.sch	