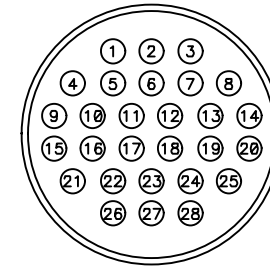


# MANUAL CONTROL PADDLE CABLE PIN ASSIGNMENTS

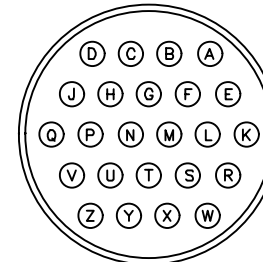
CPC PIN	SIGNAL	CPC PIN	SIGNAL
1	M2	15	IN FWD LIMIT
2	M1	16	IN REV LIMIT
3	M0	17	STAGE IS MOVING
4	S2	18	TOGGLE_LED_1
5	S1	19	TOGGLE_LED_5
6	S0	20	TOGGLE_LED_2
7	AUTO/ MAN	21	TOGGLE_LED_4
8	STOP	22	SHIELDS
9	FWD	23	SPARE 1    UNUSED WIRE FOR THE FUTURE
10	REV	24	TOGGLE_LED_3
11	TOGGLE 1	25	} THERE ARE NO WIRES FOR THESE PINS
12	TOGGLE 2	26	
13	GND	27	
14	+5V	28	



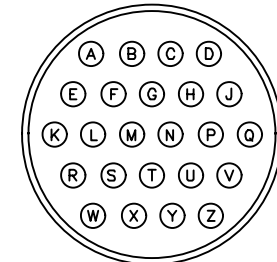
END VIEW OF PLUG  
PIN MATING FACE  
SOCKET MATING FACE IS MIRROR IMAGE

AMP CPC SERIES  
SERIES 2  
RECEPTACLE 206038-1  
PLUG 206039-1  
SHELL SIZE 17  
ARRANGEMENT 17-28  
REVERSED SEX CONNECTORS  
(USED ON ALL CONTROL PADDLE CABLES)

MS3102A24-28P  
STD SEX MALE



MS3106A24-28S  
STD SEX FEMALE



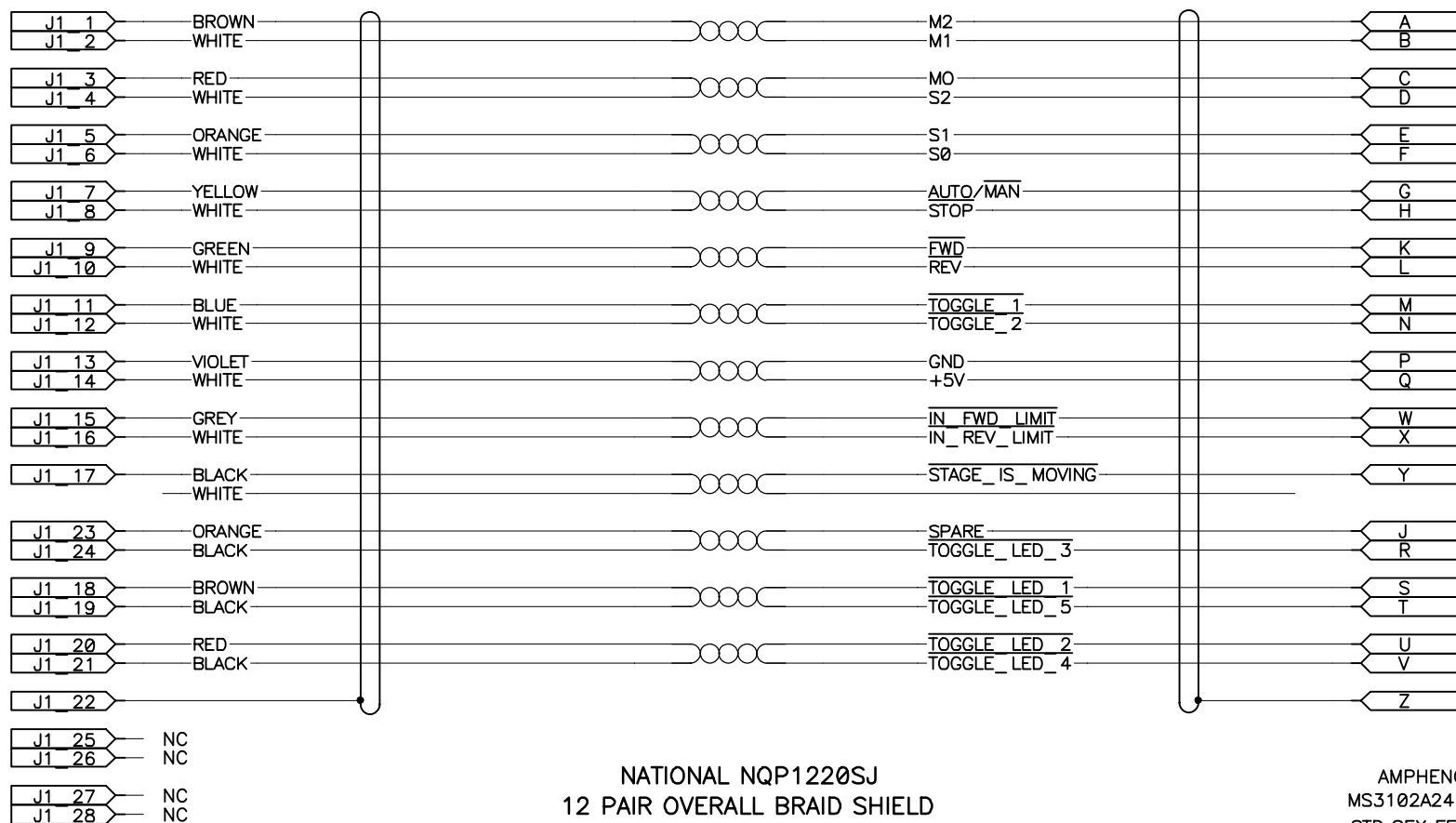
24 PIN MS CONN  
(SOLDER CUP VIEW)

## REVISION

07-21-98	ADDED SECOND SHEET
01-07-00	ADDED 24 PIN MS STYLE PLUG PINOUTS to
02-12-02	CORRECTED USAGE OF PINS 18-21 AND 24
02-26-02	ADDED NOTES AT TOP OF SHEETS 2 AND 3

<b>UNIVERSITY OF CALIFORNIA LICK OBSERVATORY</b>		<b>MANUAL CONTROL PADDLE CABLE DEIMOS SPECTROGRAPH</b>	
DES'N BY: <b>B. Alcott</b>	ORIGIN DATE: <b>03-11-96</b>	DWG. NO. <b>EL-3092</b>	NUM. <b>1</b> OF <b>3</b>
DRAWN BY:		MODIFY DATE: <b>02-26-02</b>	
PATH: DEIMOS\CABLE2		REV. <b>A</b>	

THIS CABLE RUNS BETWEEN THE GALIL PANEL  
AND THE EXTERNAL MANUAL PADDLE CONNECTOR  
NEAR THE INSTRUMENT'S DRIVE DISK



NATIONAL NQP1220SJ  
12 PAIR OVERALL BRAID SHIELD  
20 AWG TINNED COPPER WIRE

AMPHENOL  
MS3102A24-28S  
STD SEX FEMALE

AMP CPC SERIES 2  
206039-1 PLUG  
#66506-8 PINS  
#206322-1 CLAMP

UNIVERSITY OF CALIFORNIA  
LICK OBSERVATORY

MANUAL CONTROL PADDLE CABLE  
DEIMOS SPECTROGRAPH

REVISION

01-20-00 CHANGED RIGHT SIDE PLUG TO A 24 PIN MS STYLE & CHANGED  
SOME SIGNAL NAMES tc  
02-12-02 ADDED NEW WIRE (TO PIN R), RENAMED AND MOVED WIRES ON PINS S-V.  
FIXED CABLE TYPE. tc  
02-25-02 ADDED NOTE AT TOP OF PAGE

DES'N BY: B. Alcott

ORIGIN DATE: 03-11-96

DWG. NO.

NUM. 2 OF 3

Last S/N: DEI-MP-5  
DRAWN BY:

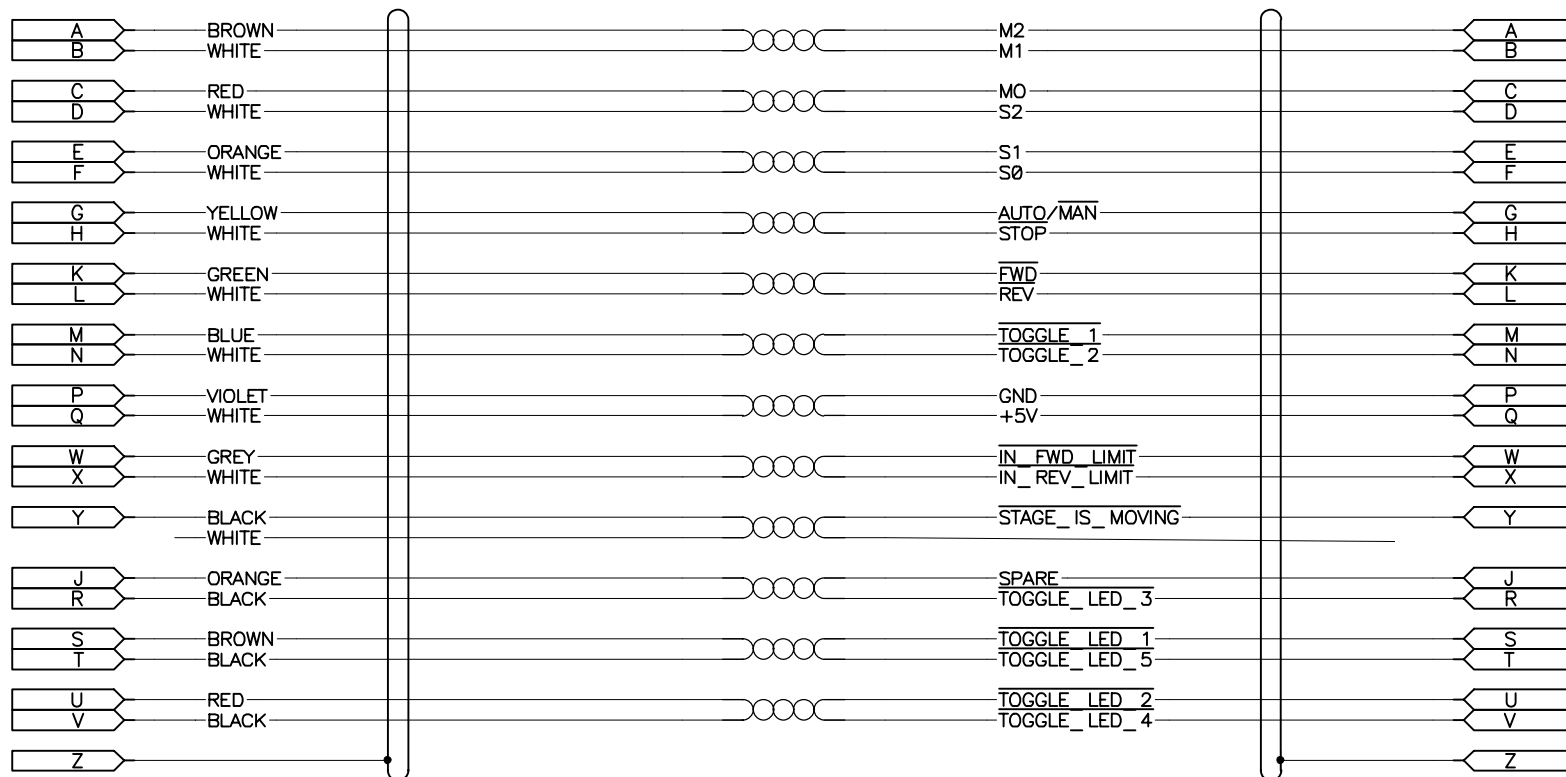
MODIFY DATE: 02-25-02

PATH: DEIMOS\CABLE2

REV. A

EL-3092

THIS CABLE RUNS BETWEEN THE MANUAL PADDLE  
AND THE EXTERNAL MANUAL PADDLE CONNECTOR  
NEAR THE INSTRUMENT'S DRIVE DISK



AMPHENOL  
MS3106A24-28P  
REV SEX MALE  
MS 3057-16A CLAMP

NATIONAL NQP1220SJ  
12 PAIR OVERALL BRAID SHIELD  
20 AWG TINNED COPPER WIRE  
20' LONG

AMPHENOL  
MS3106A24-28S  
STD SEX FEMALE  
MS 3057-16A CLAMP

UNIVERSITY OF CALIFORNIA  
LICK OBSERVATORY

MANUAL CONTROL PADDLE CABLE  
DEIMOS SPECTROGRAPH

REVISION

02-12-02 ADDED THIS SHEET. tc  
02-25-02 ADDED NOTE AT TOP OF PAGE

DES'N BY: B. Alcott

ORIGIN DATE: 03-11-96

DWG. NO.

NUM. 3 OF 3

Last S/N: DEI-MP-5  
DRAWN BY:

MODIFY DATE: 02-25-02

PATH: DEIMOS\CABLE2

REV. A

EL-3092