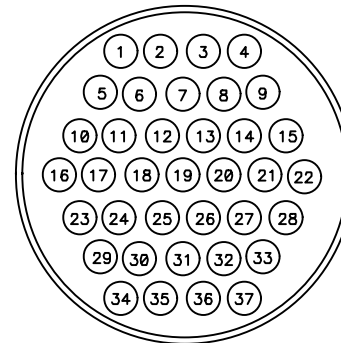


GRATING CLAMP STAGE SENSE CABLE PIN ASSIGNMENTS

| PIN | SIGNAL | PIN | SIGNAL |
|-----|----------------|-----|------------------------------|
| 1 | CLAMP 1 OPEN | 20 | GND |
| 2 | GND | 21 | N/C |
| 3 | SHIELD | 22 | CLAMP 4 CLOSED |
| 4 | CLAMP 1 CLOSED | 23 | GND |
| 5 | GND | 24 | N/C |
| 6 | N/C | 25 | CLAMP 5 OPEN |
| 7 | CLAMP 2 OPEN | 26 | GND |
| 8 | GND | 27 | N/C |
| 9 | N/C | 28 | CLAMP 5 CLOSED |
| 10 | CLAMP 2 CLOSED | 29 | GND |
| 11 | GND | 30 | N/C |
| 12 | N/C | 31 | PRM DRIVE |
| 13 | HATCH OPEN | 32 | +5V FOR PRM |
| 14 | GND | 33 | N/C |
| 15 | N/C | 34 | +5V FOR GRATING S/S RELAYS |
| 16 | HATCH CLOSED | 35 | GND (FOR GRATING S/S RELAYS) |
| 17 | GND | 36 | SHIELD |
| 18 | N/C | 37 | |
| 19 | CLAMP 4 OPEN | | |



END VIEW OF RECEPTACLE

PIN MATING FACE
 SOCKET MATING FACE IS MIRROR IMAGE

AMP CPC SERIES
 SERIES 1
 RECEPTACLE 206151-1
 PLUG 206150-1
 SHELL SIZE 23
 ARRANGEMENT 23-37
 STANDARD SEX CONNECTORS
 A KEYING : 5 KEY SLOTS

REVISION

07-21-98 ADDED SECOND SHEET
 10-16-00 ADDED CONTROL CABLE ON SHEETS 3 AND 4
 07-30-01 ADDED +5V AND GND FOR GRATING SOLID-STATE RELAYS TO PINS 34 AND 35
 08-01-01 ADDED +5V TO PIN 32 AS WIRED

UNIVERSITY OF CALIFORNIA
 LICK OBSERVATORY

GRATING CLAMP STAGE SENSE
 AND DRIVE CABLES
 DEIMOS SPECTROGRAPH

DES'N BY: L. BRESEE

ORIGIN DATE: 03-21-98

DWG. NO.

NUM. 1 OF 4

Last SN:

MODIFY DATE: 08-01-01

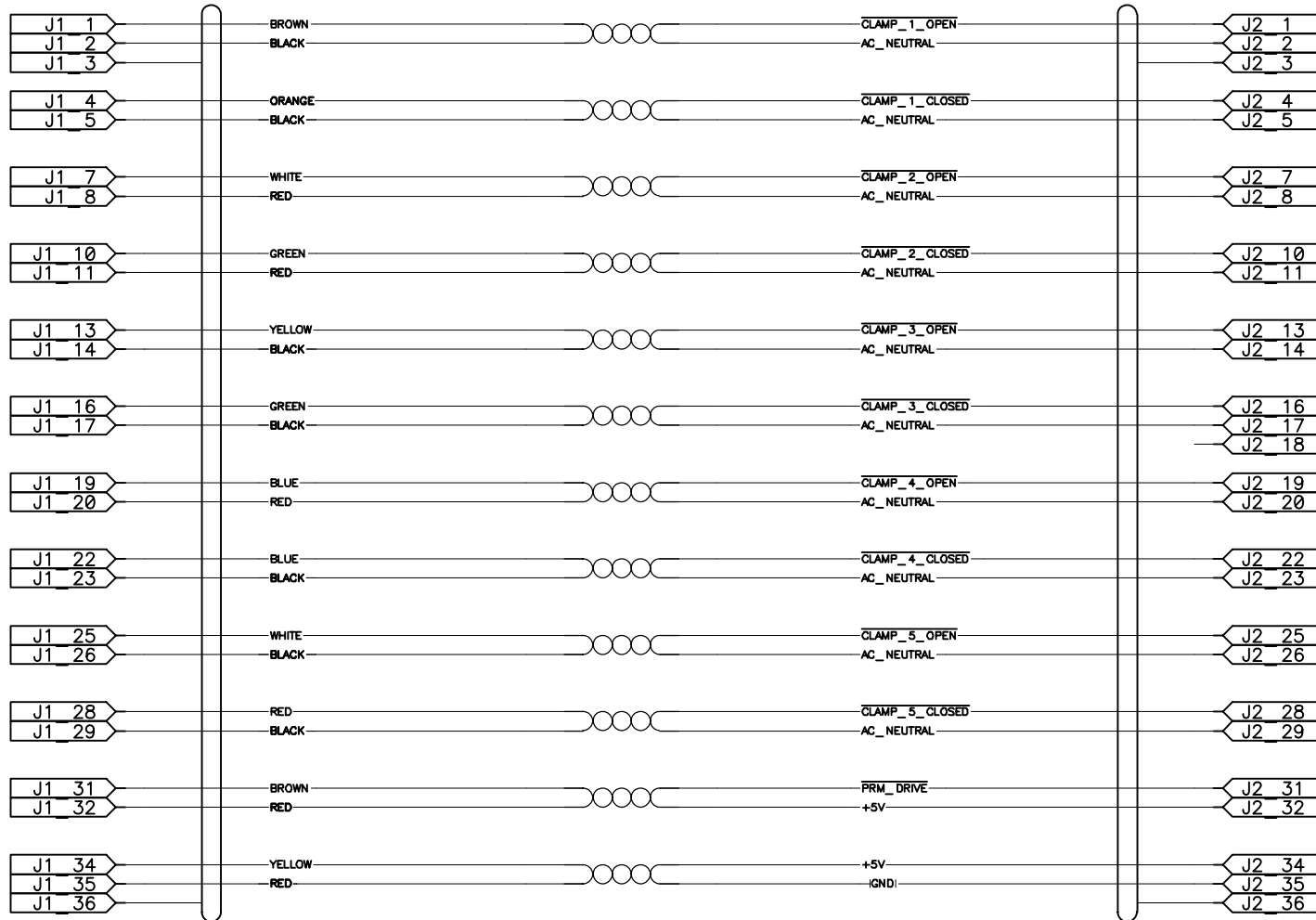
PATH: DEIMOS\CABLE8

REV. B

EL-3098

NATIONAL WIRE UL2464 NQP1218SJ

AMP CPC SERIES 1
 206150-1 PLUG
 #66565-4 SOCKETS
 #206512-1 CLAMP
 #207055-1 EXTENDER



AMP CPC SERIES 1
 206150-1 PLUG
 #66565-4 SOCKETS
 #206512-1 CLAMP
 #207055-1 EXTENDER

UNIVERSITY OF CALIFORNIA
 LICK OBSERVATORY

GRATING CLAMP STAGE SENSE
 AND DRIVE CABLES
 DEIMOS SPECTROGRAPH

REVISION

07-21-98 ADDED SECOND SHEET
 10-16-00 SWITCHED TO NATIONAL WIRE CABLE WITH ONE OVERALL SHIELD
 07-30-01 ADDED +5V AND GND FOR GRATING SOLID-STATE RELAYS TO PINS 34 AND 35
 08-01-01 ADDED +5V TO PIN 32 AS WIRED

DES'N BY: L. BRESEE

ORIGIN DATE: 03-21-98

DWG. NO.

NUM. 2 OF 4

Last SN:

MODIFY DATE: 08-01-01

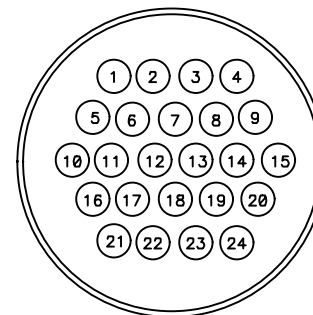
PATH: DEIMOS\CABLE8

REV. B

EL-3098

GRATING CLAMP STAGE DRIVE CABLE PIN ASSIGNMENTS

| PIN | SIGNAL | PIN | SIGNAL |
|-----|-----------------|-----|-----------------|
| 1 | CLAMP 1 OPEN H | 13 | CLAMP 4 OPEN H |
| 2 | CLAMP 1 OPEN N | 14 | CLAMP 4 OPEN N |
| 3 | CLAMP 1 CLOSE H | 15 | CLAMP 4 CLOSE H |
| 4 | CLAMP 1 CLOSE N | 16 | CLAMP 4 CLOSE N |
| 5 | CLAMP 2 OPEN H | 17 | CLAMP 5 OPEN H |
| 6 | CLAMP 2 OPEN N | 18 | CLAMP 5 OPEN N |
| 7 | CLAMP 2 CLOSE H | 19 | CLAMP 5 CLOSE H |
| 8 | CLAMP 2 CLOSE N | 20 | CLAMP 5 CLOSE N |
| 9 | HATCH OPEN H | 21 | - |
| 10 | HATCH OPEN N | 22 | - |
| 11 | HATCH CLOSE H | 23 | - |
| 12 | HATCH CLOSE N | 24 | SHIELD |



END VIEW OF RECEPTACLE

PIN MATING FACE
 SOCKET MATING FACE IS MIRROR IMAGE

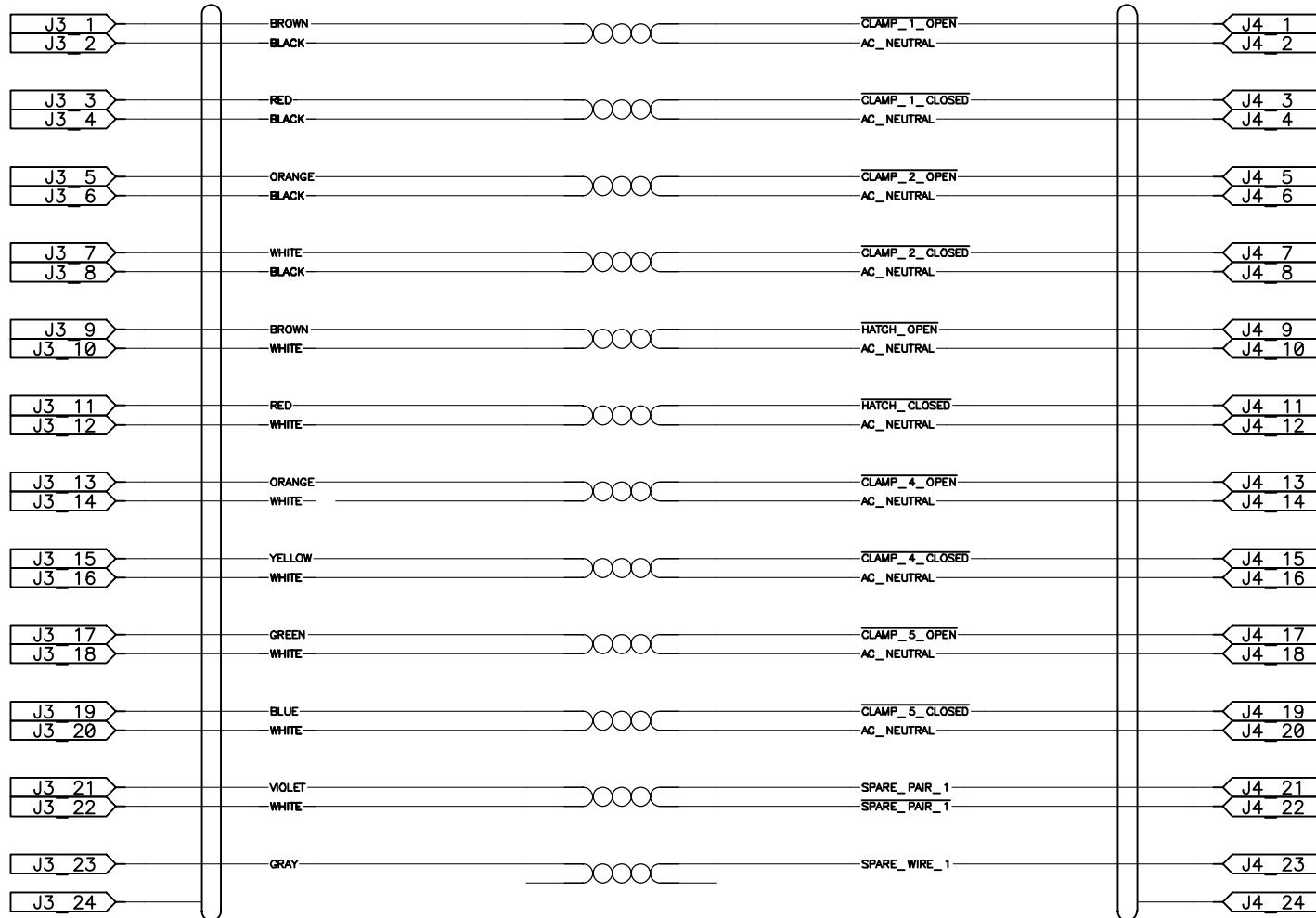
AMP CPC SERIES
 SERIES 1
 RECEPTACLE 206838-1
 PLUG 206837-1
 SHELL SIZE 23
 ARRANGEMENT 23-24
 STANDARD SEX CONNECTORS
 A KEYING : 5 KEY SLOTS

REVISION

| | | | |
|--|--|--|-------------|
| UNIVERSITY OF CALIFORNIA LICK OBSERVATORY | | GRATING CLAMP STAGE SENSE AND DRIVE CABLES DEIMOS SPECTROGRAPH | |
| | | | |
| Last SN: | | MODIFY DATE: 07-30-01 | DWG. NO. |
| PATH: DEIMOS\CABLE8 | | REV. B | NUM. 3 OF 4 |
| | | | EL-3098 |

NATIONAL WIRE UL2464 NQP1218SJ

AMP CPC SERIES 1
 206150-1 PLUG
 #66565-4 SOCKETS
 #206512-1 CLAMP
 #207055-1 EXTENDER



AMP CPC SERIES 1
 206150-1 PLUG
 #66565-4 SOCKETS
 #206512-1 CLAMP
 #207055-1 EXTENDER

UNIVERSITY OF CALIFORNIA
 LICK OBSERVATORY

GRATING CLAMP STAGE SENSE
 AND DRIVE CABLES
 DEIMOS SPECTROGRAPH

REVISION

07-21-98 ADDED SECOND SHEET
 10-16-00 SWITCHED TO NATIONAL WIRE CABLE WITH ONE OVERALL SHIELD
 07-30-01 CHANGED NET NAME FROM GND TO AC_NEUTRAL

DES'N BY: L. BRESEE

ORIGIN DATE: 03-21-98

DWG. NO.

NUM. 4 OF 4

Last SN:

MODIFY DATE: 07-30-01

PATH: DEIMOS\CABLE8

REV. B

EL-3098