

| REVISIONS | | DRAWN | DATE |
|-----------|-------------|-------|------|
| REV. | DESCRIPTION | | |

| PIN | WIRE | SIGNAL |
|-----|-------------|----------|
| 13 | GRN | BRK- |
| 12 | WHT | CW/+ LMT |
| 11 | - | - |
| 10 | - | - |
| 9 | - | - |
| 8 | - | - |
| 7 | DRN | MKR |
| 6 | DRN/WHT | MKR-N |
| 5 | - | - |
| 4 | WHT/BRN | Stage ID |
| 3 | #24 VIO | ENC +5V |
| 2 | - | - |
| 1 | #22 GRN/WHT | SIG SHLD |

| PIN | WIRE | SIGNAL |
|-----|-----------|-------------------|
| 5 | #22 G/YEL | FRM GND / SHIELD |
| 4 | - | - |
| 3 | #22 WHT | Mtr Phase Returns |
| 2 | #22 RED | MTR B |
| 1 | #22 BLK | MTR A |

| SIGNAL | WIRE | * PIN |
|-----------|-------------|-------|
| SIN-N | BLU/WHT | H |
| BRK+ | WHT/GRN | J |
| SIN | BLU | G |
| Stage ID | WHT/BRN | K |
| HM LMT | BRN/WHT | W |
| CCW/- LMT | WHT/GRY | V |
| CW/+LMT | WHT | U |
| COS-N | YEL/WHT | F |
| MKR | ORN | L |
| MKR-N | ORN/WHT | X |
| SIG SHLD | #22 GRN/WHT | Z |
| BRK- | GRN | T |
| COS | YEL | E |
| ENC +5V | #24 VIO | * M |
| LMT +5V | #24 RED | |
| MTR SHLD | #22 GRN/WHT | Y |
| MTR A | #22 BLK | R |
| FRM GND | #22 GRN/YEL | S |
| LMT COM | #24 BLK | |
| ENC COM | #24 GRY | * D |
| MTR B | #22 RED | N |
| - | - | P |
| MTR B-N | #22 WHT | * A |
| - | - | B |
| MTR A-N | #22 WHT | C |

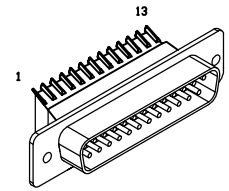


WIRE SIDE VIEW

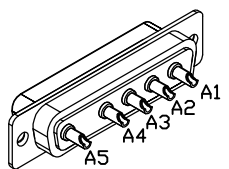
BURNDY PLUG ECK00135
 CLAMP BURNDY ECK00617
 #28-22 SOCKETS BURNDY ECK00402
 CRIMP TOOL:
 BURNDY HANDLE W/HEAD ASSY N20RT-29
 OR
 BURNDY CRIMPER MODEL UTM-2R W/HEAD ASSY CM11G1R

ADD #22 WHT JUMPER BETWEEN PIN A AND PIN C

* = #20-16 SOCKETS BURNDY ECK00403
 CRIMP TOOL: BURNDY HANDLE W/HEAD ASSY N16RT-24



25 PIN D MALE ECK00786
 BACKSHELL ECK00656
 FOR CRIMP TOOL USE AMP HANDLE ASSY 58074-1
 WITH AMP HEAD ASSY 58063-2



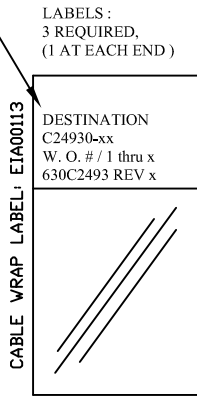
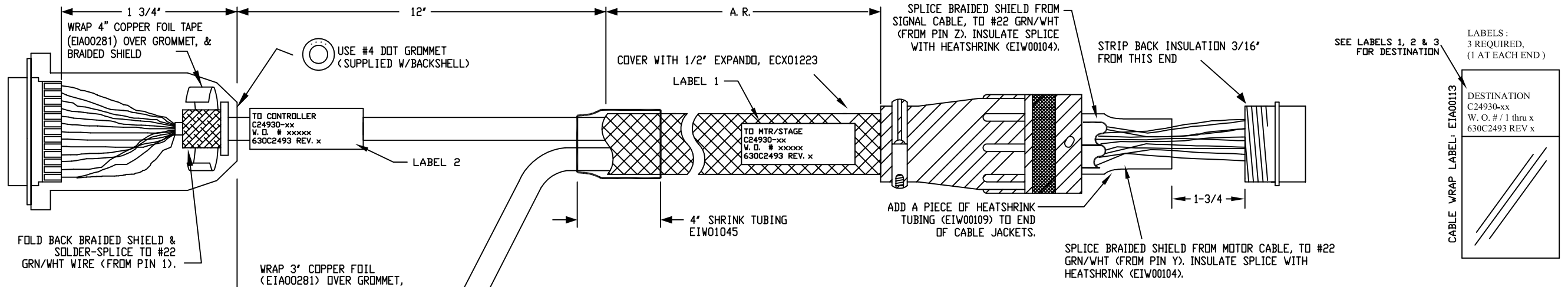
5 PIN MALE HIGH PWR D, ECK01236
 PINS, ECK00660 QTY. 5
 BACKSHELL ECK00656

2 USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING TO BUILD UP CABLE DIAMETER FOR PROPER STRAIN RELIEFING. STRAIN RELIEFING MUST WITHSTAND 35 LB. PULL.

CUT THICK WALL HEATSHRINK TUBING WITH CABLE CUTTER SUCH THAT ENDS ARE PERPENDICULAR TO CABLE AND CUT IS SMOOTH.

THICK WALL HEATSHRINK TUBING:
 EIW00112 MAX INSIDE DIA = .750" (EXPANDED),
 MIN INSIDE DIA = .220" (RECOVERED)
 EIW00113 MAX INSIDE DIA = .400" (EXPANDED),
 MIN INSIDE DIA = .150" (RECOVERED)

1 STARTING CABLE LENGTH = A. R. LENGTH + 17 IN.



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| TOLERANCES ON FRACTIONS DECIMALS ANGLES 0 TO 6 ± 1/32 .XX ± .01 ± 0-30' OVER 6 ± 1/16 .XXX ± .005 | | | STEPPER MOTOR CABLE To Npaq CABLE: SM MTR & FB-25DU 5DU-23B-HF-MAX120DM | |
| RMS FINISH | EXCEPT AS NOTED | | PART CODE | SIZE |
| DRAWN | 11/6/2014 | JFM | C24930-XX | C |
| CHECKED | 11/6/2014 | TES | 630C2493 | |
| APPD. | 11/6/2014 | JFM | SCALE NTS | FILE NAME 630C249301.Dwg |
| | | | SHEET | 1 OF 1 |