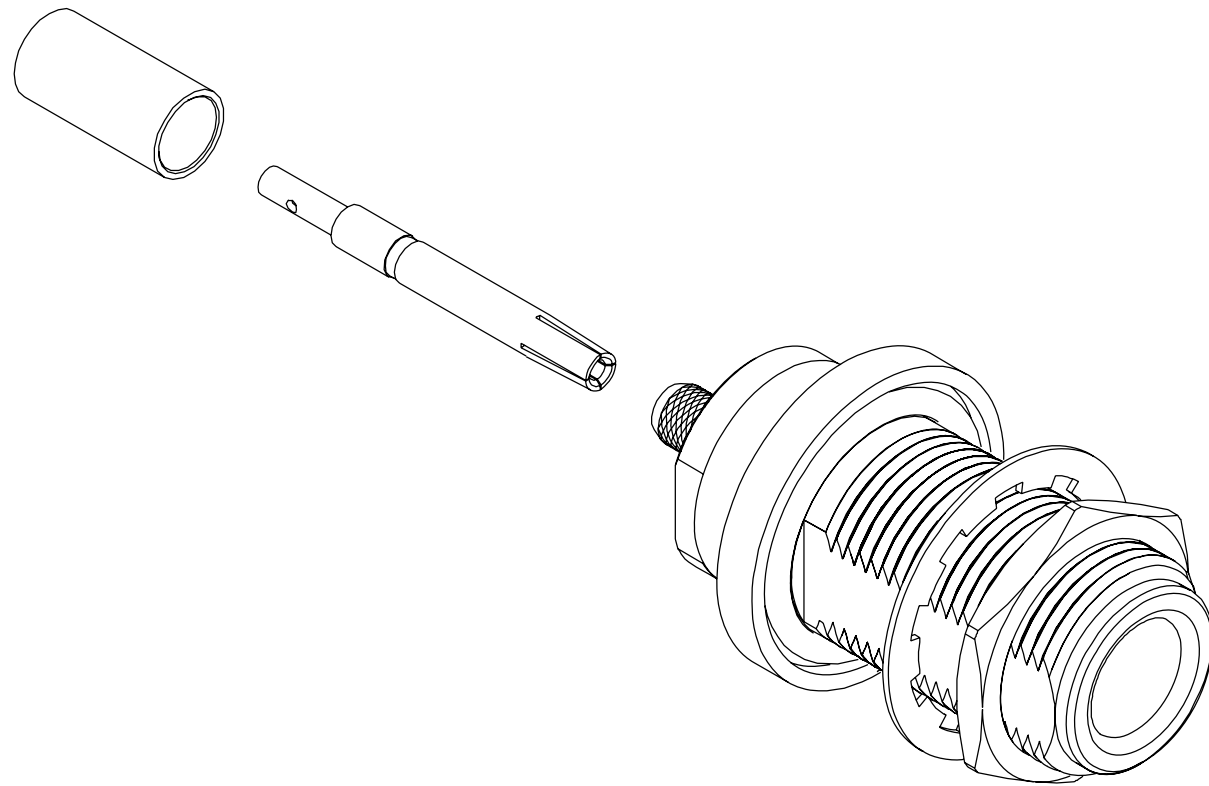
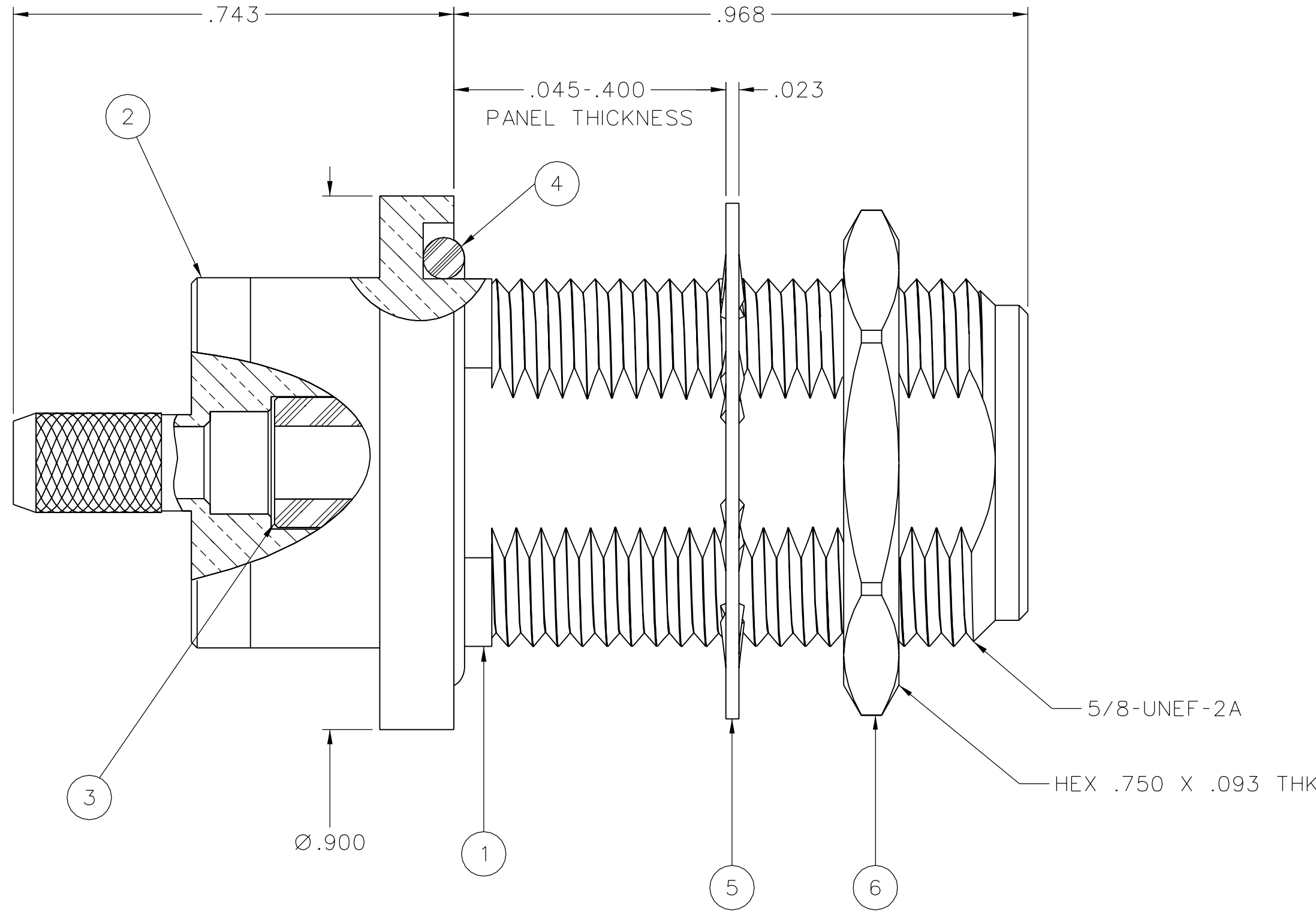
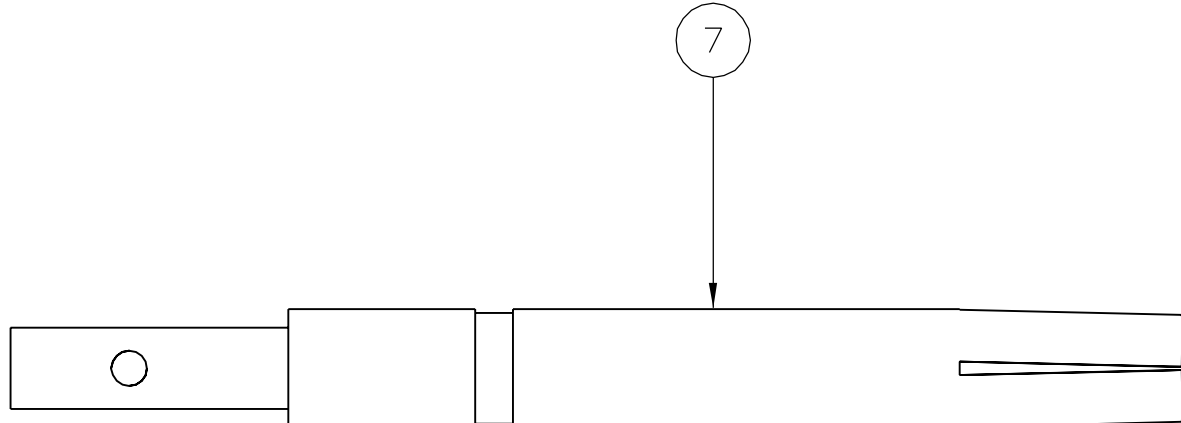
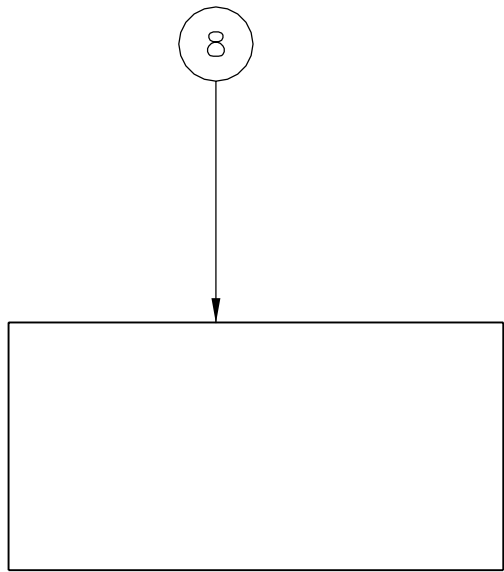


| PART NUMBER  | ITEM ①<br>BODY                                            | ITEM ②<br>STEM                                            | ITEM ③<br>INSULATOR | ITEM ④<br>O-RING   | ITEM ⑤<br>LOCKWASHER         | ITEM ⑥<br>MOUNTING NUT                                    | ITEM ⑦<br>CONTACT                                                                                | ITEM ⑧<br>CRIMP SLEEVE                                     |
|--------------|-----------------------------------------------------------|-----------------------------------------------------------|---------------------|--------------------|------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| 138-4307-406 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | TEFLON              | SILICONE<br>RUBBER | STEEL<br>TRI-ALLOY .0001 MIN | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | COPPER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN |
| 138-4307-407 | BRASS<br>TRI-ALLOY PL .0001 MIN                           | BRASS<br>TRI-ALLOY PL .0001 MIN                           | TEFLON              | SILICONE<br>RUBBER | STEEL<br>TRI-ALLOY .0001 MIN | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00005 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | COPPER<br>TRI-ALLOY PL .0001 MIN                           |



2:1

NOTES:

1. SPECIFICATIONS:

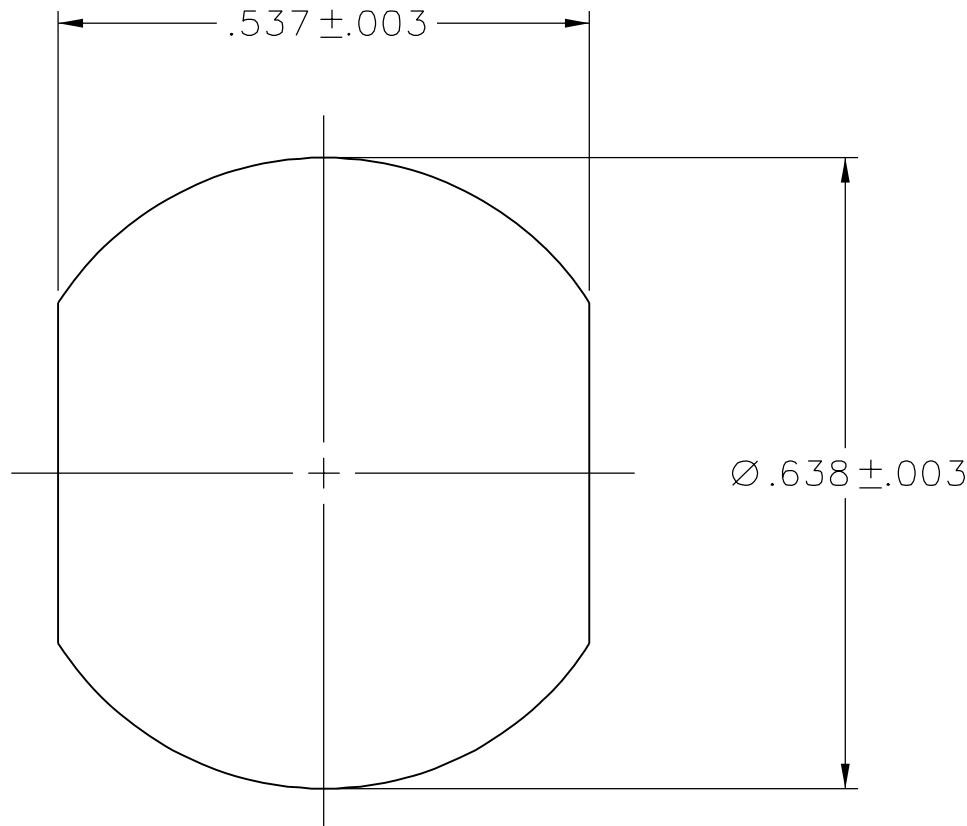
IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-11 GHz  
VSWR: 1.30 MAX AT 0-11 GHz  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHM MIN  
CONTACT RESISTANCE:  
    CENTER CONTACT - INITIAL 1.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
    OUTER CONDUCTOR - INITIAL 1.5 MILLIOHM MAX, 2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
    BODY TO CABLE - INITIAL .05 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS: .15 dB MAX, TESTED AT 9 GHz  
RF LEAKAGE: -90 dB MIN AT 2 TO 3 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHz  
THIRD ORDER INTERMODULATION PRODUCT (IMP3): TYPICALLY < -90 dBm  
    (TESTED PER IEC GUIDELINES WITH 20W CW INPUTS AT 1930-1990 MHz)

MECHANICAL:

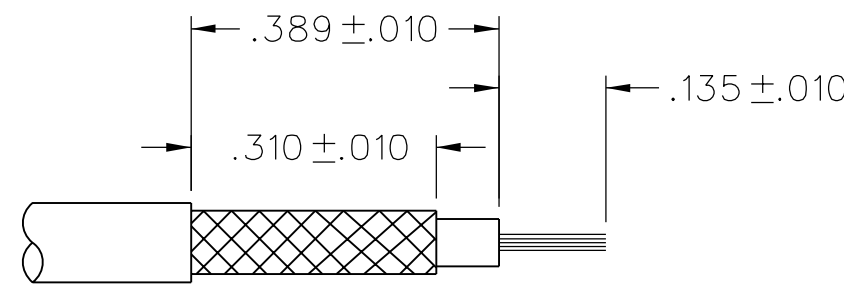
ENGAGE/DISENGAGE TORQUE: 6 IN-LBS MAX  
MATING TORQUE: 7-10 IN-LBS  
COUPLING PROOF TORQUE: NOT APPLICABLE  
COUPLING NUT RETENTION: NOT APPLICABLE  
CONTACT RETENTION: NOT APPLICABLE  
CABLE ACCEPTABILITY: RG 58, RG 141, RG 303  
CABLE HEX CRIMP SIZE: .213  
CONTACT HEX CRIMP SIZE: .068  
CABLE RETENTION: 40 LBS MIN AXIAL FORCE  
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)  
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 85°C HIGH TEMP  
OPERATING TEMPERATURE: -65°C TO 165°C  
CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
SHOCK: MIL-STD-202, METHOD 213, CONDITION I  
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



MOUNTING HOLE



CABLE STRIP DIMENSIONS  
NOT TO SCALE

|                                      |                 |       |                    |                 |                                                                                      |
|--------------------------------------|-----------------|-------|--------------------|-----------------|--------------------------------------------------------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | DRAWN BY<br>PAT |       | DATE<br>2-15-06    |                 | <b>Connectivity Solutions</b><br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |
|                                      | DECIMALS        | mm    | CHECKED BY<br>PDW  | DATE<br>4-13-06 |                                                                                      |
| .XX                                  | _____           | _____ | APPROVED BY<br>JRK | DATE<br>4-13-06 | TITLE<br>ASSEMBLY, TYPE N<br>CRIMP BULKHEAD JACK<br>RG 58                            |
| .XXX REF                             | _____           | _____ | RELEASE DATE       | 4-17-06         | SHEET<br>2 OF 2                                                                      |
| MATL                                 | _____           | _____ | U/M                | INCH            |                                                                                      |
| FINISH                               | _____           | _____ | SCALE              | 5:1             | DRAWING NO.<br>D - 138-4307-401/410                                                  |

|                                        |           |   |   |   |          |
|----------------------------------------|-----------|---|---|---|----------|
| DRAWING NO.                            |           |   |   |   |          |
| D - 138-4307-401/410                   |           |   |   |   |          |
| 0                                      | REVISIONS |   |   |   |          |
| ENGINEERING RELEASE                    |           |   |   |   |          |
| 1                                      | 2-15-06   | P | J | P | 4-17-06  |
|                                        |           | K | T | M | ECN 5029 |
| LOCKWASHER TRI-ALLOY WAS ZINC          |           |   |   |   |          |
| .045-.400 WAS .045-.125                |           |   |   |   |          |
| *****                                  |           |   |   |   |          |
| * REVISION NUMBER FOLLOWED BY AN ALPHA |           |   |   |   |          |
| * CHARACTER INDICATES DRAWING CLARIFY  |           |   |   |   |          |
| * CATION OR PART NUMBER ADDITION ONLY. |           |   |   |   |          |
| *****                                  |           |   |   |   |          |
| 1a                                     | 2-8-07    | P | J | P | 2-15-07  |
|                                        |           | K | T | M | ECN 5093 |

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED  
PER ASME Y 14.5M - 1994

"μSTATION"

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