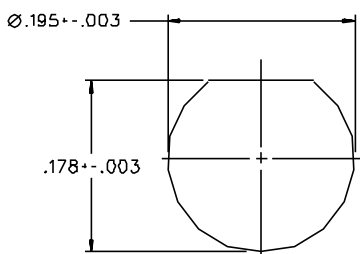
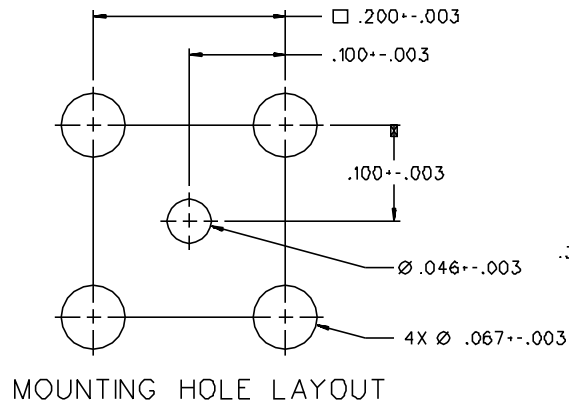


| PART NUMBER  | ITEM ①<br>BODY                                                                        | ITEM ②<br>BASE                                                                        | ITEM ③<br>CONTACT (ONE PIECE)                                                         | ITEM ④<br>BODY INSULATOR | ITEM ⑤<br>BASE INSULATOR | ITEM ⑥<br>LOCKWASHER                                                                            | ITEM ⑦<br>MOUNTING NUT                                                                |
|--------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------|--------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 131-3701-501 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON                   | TEFLON                   | PHOSPHOR BRONZE<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN |
| 131-3701-502 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON                   | TEFLON                   |                                                                                                 |                                                                                       |
| 131-3701-506 | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BRASS<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON                   | TEFLON                   | PHOSPHOR BRONZE<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                             |



#### NOTES:

##### 1. SPECIFICATIONS:

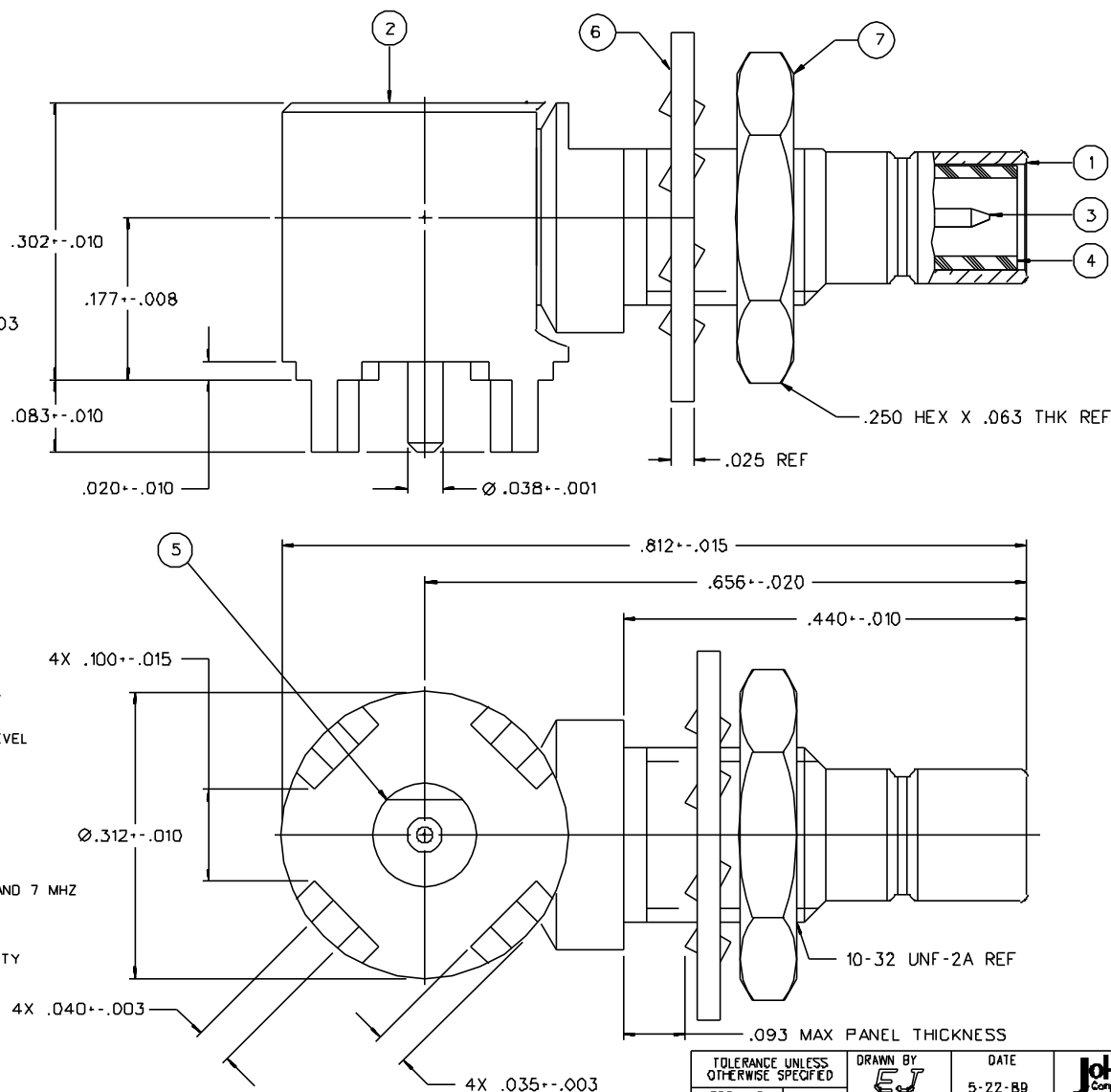
IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-4 GHz  
 VSWR: NOT APPLICABLE  
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
 INSULATION RESISTANCE: 1000 MEGOHM MIN  
 CONTACT RESISTANCE:  
   CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX  
   OUTER CONDUCTOR - INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
 BRAID TO BODY - NOT APPLICABLE  
 CORONA LEVEL: NOT APPLICABLE  
 INSERTION LOSS: NOT APPLICABLE  
 RF LEAKAGE: NOT APPLICABLE  
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 600 VRMS AT 4 AND 7 MHZ

##### MECHANICAL:

MATING INTERFACE: PER MIL-STD-34B, SMB SERIES  
 ENGAGE/DISENGAGE FORCE: INITIAL 14 LBS MAX, AFTER DURABILITY 14 LBS MAX ENGAGEMENT, 2 LBS MIN DISENGAGEMENT  
 MATING TORQUE: NOT APPLICABLE  
 COUPLING PROOF TORQUE: NOT APPLICABLE  
 COUPLING NUT RETENSION: NOT APPLICABLE  
 CONTACT RETENSION: 4 LBS MIN AXIAL FORCE  
 CABLE ACCEPTABILITY: NOT APPLICABLE  
 CABLE HEX CRIMP SIZE: NOT APPLICABLE  
 CABLE RETENTION: NOT APPLICABLE  
 DURABILITY: 500 CYCLES MIN

##### ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39D12)  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B  
 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C  
 CORROSION: MIL-STD-202, METHOD 101, CONDITION B  
 SHOCK: MIL-STD-202, METHOD 213, CONDITION B  
 VIBRATION: MIL-STD-202, METHOD 204, CONDITION B



|                                                                                                                                |          |         |                       |
|--------------------------------------------------------------------------------------------------------------------------------|----------|---------|-----------------------|
| DRAWING NO.<br>C - 131-3701-501/510                                                                                            |          |         |                       |
| 0 REVISIONS                                                                                                                    |          |         |                       |
| ENGINEERING RELEASE                                                                                                            |          |         |                       |
| 01                                                                                                                             | 06-19-89 | E J A W | 06-20-89<br>ECO 23999 |
| CHANGED: .083±.010 WAS .078±.010.                                                                                              |          |         |                       |
| 02                                                                                                                             | 07-10-89 | E J A W | 07-12-89<br>ECO 24057 |
| DELETED: WASHER AND NUT.                                                                                                       |          |         |                       |
| 03                                                                                                                             | 09-27-89 | E J A W | 10-4-89<br>ECO 24155  |
| REVISED VIEWS                                                                                                                  |          |         |                       |
| 4                                                                                                                              | 4-1-91   | W J A W | 4-12-91<br>ECO 40317  |
| CHANGED: RF HIGH POT 4 AND 7 MHZ WAS 5 MHZ                                                                                     |          |         |                       |
| 5                                                                                                                              | 9-1-92   | R H A W | 9-22-92<br>ECO 41181  |
| UPDATED GRAPHICS                                                                                                               |          |         |                       |
| 6                                                                                                                              | 12-1-93  | R H A W | 12-7-93<br>ECO 42186  |
| ADDED: P/N'S 131-3701-502 & -506                                                                                               |          |         |                       |
| 6a                                                                                                                             | 10-14-99 | R H A W | ECN 46637             |
| ADDED: MATING INTERFACE NOTE<br>UPDATED GRAPHICS                                                                               |          |         |                       |
| * REVISION NUMBER FOLLOWED BY AN ALPHA *<br>* CHARACTER INDICATES DRAWING CLARIFY *<br>* CATION OR PART NUMBER ADDITION ONLY * |          |         |                       |
| 6b                                                                                                                             | 9-11-02  | R H A W | ECN 47881             |

#### CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED  
PER ANSI Y 14.5M - 1982

"μSTATION"

#### COMPANY CONFIDENTIAL

|                                      |                    |                 |                                                            |                                     |
|--------------------------------------|--------------------|-----------------|------------------------------------------------------------|-------------------------------------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | DRAWN BY<br>E J    | DATE<br>5-22-89 | 299 Johnson Ave.<br>P.O. Box 1732<br>Waseca, MN 56093-0832 |                                     |
| DECIMALS<br>.XX                      | CHECKED BY         | DATE            | TITLE<br>JACK ASSEMBLY<br>RA PC MOUNT BULKHEAD<br>SMB      |                                     |
| .XXX                                 | APPROVED BY<br>RJB | DATE<br>6-19-89 |                                                            |                                     |
| MATL                                 | APPROVED BY        | DATE            | CODE NO.                                                   | DRAWING NO.<br>C - 131-3701-501/510 |
| FINISH                               | RELEASE DATE       | 6-20-89         | SCALE 10:1                                                 | U/M INCH SHEET 2 OF 2               |