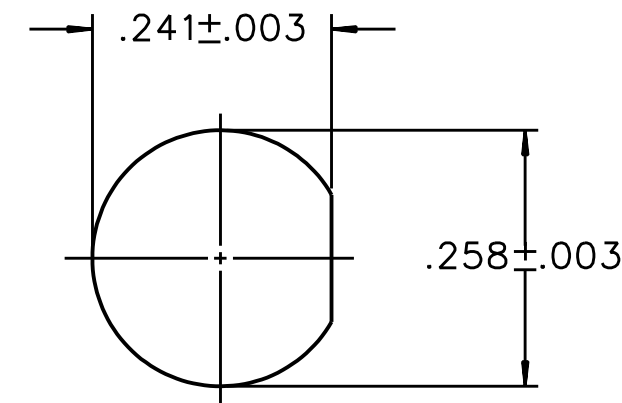


| PART NUMBER  | ITEM ①<br>BODY                                                                       | ITEM ②<br>CONTACT (ONE PIECE)                                                                    | ITEM ③ BODY<br>INSULATOR | ITEM ④<br>LOCK WASHER                                                                 | ITEM ⑤<br>NUT                                                                        | ITEM ⑥<br>BASE                                                                       | ITEM ⑦ BASE<br>INSULATOR | ITEM ⑧<br>FLAT WASHER                                                                | "N"  | "P"  | DRAWING NO.<br>C - 142-0701-501/510                                                                                                                                                               |
|--------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 142-0701-501 | BRASS<br>GOLD PL .00001 MIN OVER<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 | TEFLON                   | BRONZE<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | TEFLON                   |                                                                                      | .094 | .109 | 0 REVISIONS<br>WAS P/N 030-3362-579<br>ENGINEERING RELEASE                                                                                                                                        |
| 142-0701-502 | BRASS<br>GOLD PL .00001 MIN OVER<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 | TEFLON                   |                                                                                       |                                                                                      | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | TEFLON                   |                                                                                      | .094 | .109 | 01 03-15-89 E J R A W 04-12-89<br>ECO 23895                                                                                                                                                       |
| 142-0701-503 | BRASS<br>GOLD PL .00001 MIN OVER<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 | TEFLON                   |                                                                                       | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | TEFLON                   | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN | .063 | .125 | 02 09-14-89 E J C N J B A W 09-19-89<br>ECO 24146                                                                                                                                                 |
| 142-0701-505 | BRASS<br>GOLD FLASH                                                                  | BERYLLIUM COPPER<br>GOLD FLASH                                                                   | TEFLON                   |                                                                                       | BRASS<br>GOLD FLASH                                                                  | BRASS<br>GOLD FLASH                                                                  | TEFLON                   | BRASS<br>GOLD FLASH                                                                  | .063 | .125 | 03 09-14-89 E J C N A R A W 10-25-89<br>ECO 24177                                                                                                                                                 |
| 142-0701-506 | 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 | TEFLON                   | BRONZE<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>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                            | TEFLON                   |                                                                                      | .094 | .109 | VERSION UPDATE.<br>4 9-6-91 R H P N I R H E 10-11-91<br>ECO 40551                                                                                                                                 |
| 142-0701-507 | 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 | TEFLON                   |                                                                                       | 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                   | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                            | .063 | .125 | CHANGED: .775+-.015 WAS .837+-.<br>.015, .312+-.010 WAS DIA .375+-.010,<br>4X .040+-.003 WAS 4X .040+-.<br>.003, RF HIGH POT 4 AND 7 MHZ<br>WAS 5 MHZ<br>9-29-92 R H T R P A 10-6-92<br>ECO 41206 |
| 142-0701-508 | 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 | TEFLON                   | BRONZE<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>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                            | TEFLON                   | BRASS<br>NICKEL PL .0001 MIN OVER<br>COPPER PL .00005 MIN                            | .094 | .072 | CHANGED: .411+-.010 WAS .406+-.010<br>9-14-94 R H J B A H 9-27-94<br>ECN 46271                                                                                                                    |

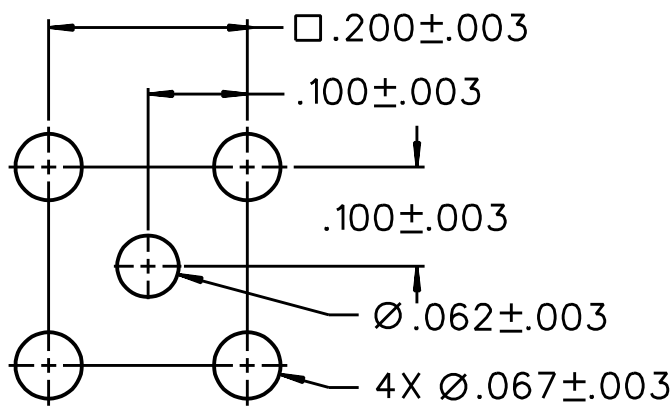
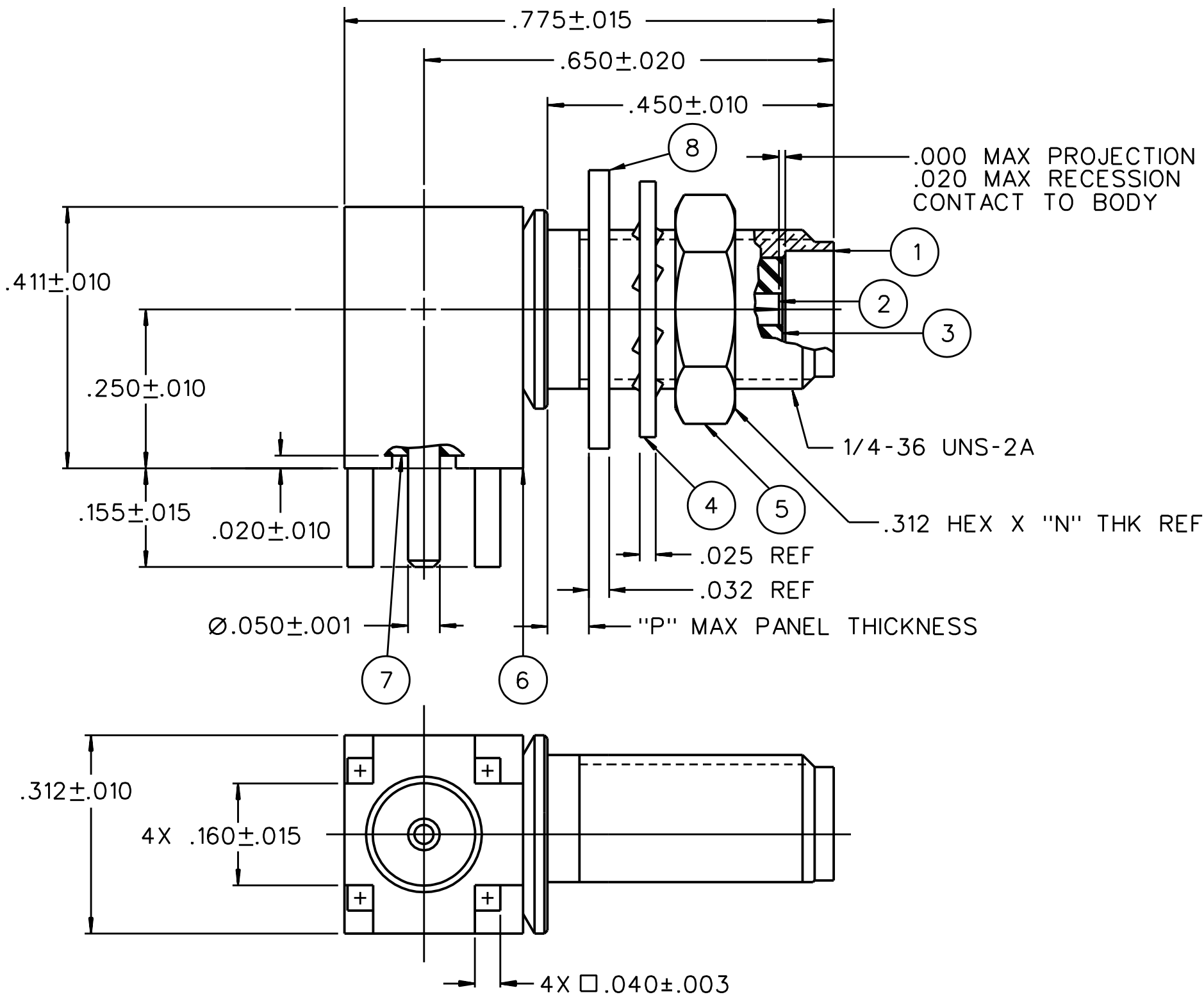


MOUNTING HOLE

- NOTES:
1. SPECIFICATIONS:
- IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-18 GHZ  
VSWR: NOT APPLICABLE  
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 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX  
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE  
BRAID TO BODY - NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS: NOT APPLICABLE  
RF LEAKAGE: NOT APPLICABLE  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHZ MIN

- MECHANICAL:
- ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX  
MATING TORQUE: 7-10 INCH POUNDS  
COUPLING PROOF TORQUE: NOT APPLICABLE  
COUPLING NUT RETENTION: NOT APPLICABLE  
CONTACT RETENTION: 6 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-39012)  
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 I  
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D  
MOISTURE RESISTANCE: MIL STD 202, METHOD 106



MOUNTING HOLE LAYOUT

CHANGED: ITEM 4 LOCKWASHER  
BRONZE WAS BRASS, .094 THK REF  
WAS .063 THK REF, .025 REF WAS  
.032 REF, .109 MAX PANEL THICK-  
NESS WAS .125 MAX PANEL THICK-  
NESS, UPDATED GRAPHICS

7 12-4-02 R H J B ECN 47942

ADDED: P/N 142-0701-503, TABU-  
LATED DIMENSIONS "N", "P" & "W"  
\*\*\*\*\*  
\* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
\* CHARACTER INDICATES DRAWING CLARIFI-  
\* CATION OR PART NUMBER ADDITION ONLY. \*  
\*\*\*\*\*

7a 5-8-03 R H J B ECN 48803

ADDED: P/N 142-0701-507  
\*\*\*\*\*  
\* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
\* CHARACTER INDICATES DRAWING CLARIFI-  
\* CATION OR PART NUMBER ADDITION ONLY. \*  
\*\*\*\*\*

7b 12-3-03 R H J B 12-15-03  
ECN 49089

ADDED: P/N 142-0701-508  
\*\*\*\*\*  
\* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
\* CHARACTER INDICATES DRAWING CLARIFI-  
\* CATION OR PART NUMBER ADDITION ONLY. \*  
\*\*\*\*\*

7c 10-21-04 R H J B 11-2-04  
ECN 49495

ADDED: P/N 142-0701-505

7d 4-25-14 C W D J R M J U 4-25-14  
ECO 54984

008 5-24-17 C W D E S N M 5-24-17  
ECO 56740

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

|                                      |    |                           |      |                 |     |                                                                                                                                             |                                     |                                                     |  |
|--------------------------------------|----|---------------------------|------|-----------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------|--|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |    | DRAWN BY<br><b>Bedney</b> |      | DATE<br>3-1-89  |     |  <b>cinch</b><br>CONNECTIVITY SOLUTIONS<br>a bel group |                                     | P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |  |
| DECIMALS                             | mm | CHECKED BY                |      | DATE            |     |                                                                                                                                             |                                     |                                                     |  |
| .XX                                  |    |                           |      |                 |     |                                                                                                                                             |                                     |                                                     |  |
| .XXX                                 |    |                           |      |                 |     |                                                                                                                                             |                                     |                                                     |  |
| MATL                                 |    | APPROVED BY<br>RJB        |      | DATE<br>3-15-89 |     | TITLE<br>JACK ASSEMBLY,<br>RA PC MOUNT BULKHEAD<br>SMA                                                                                      |                                     |                                                     |  |
| FINISH                               |    | RELEASE DATE              |      | 10-25-89        |     |                                                                                                                                             |                                     |                                                     |  |
|                                      |    | U/M                       | INCH | SCALE           | 5:1 | SHEET<br>2 OF 2                                                                                                                             | DRAWING NO.<br>C - 142-0701-501/510 |                                                     |  |