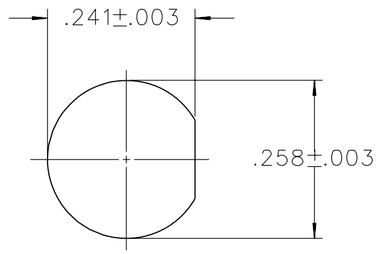
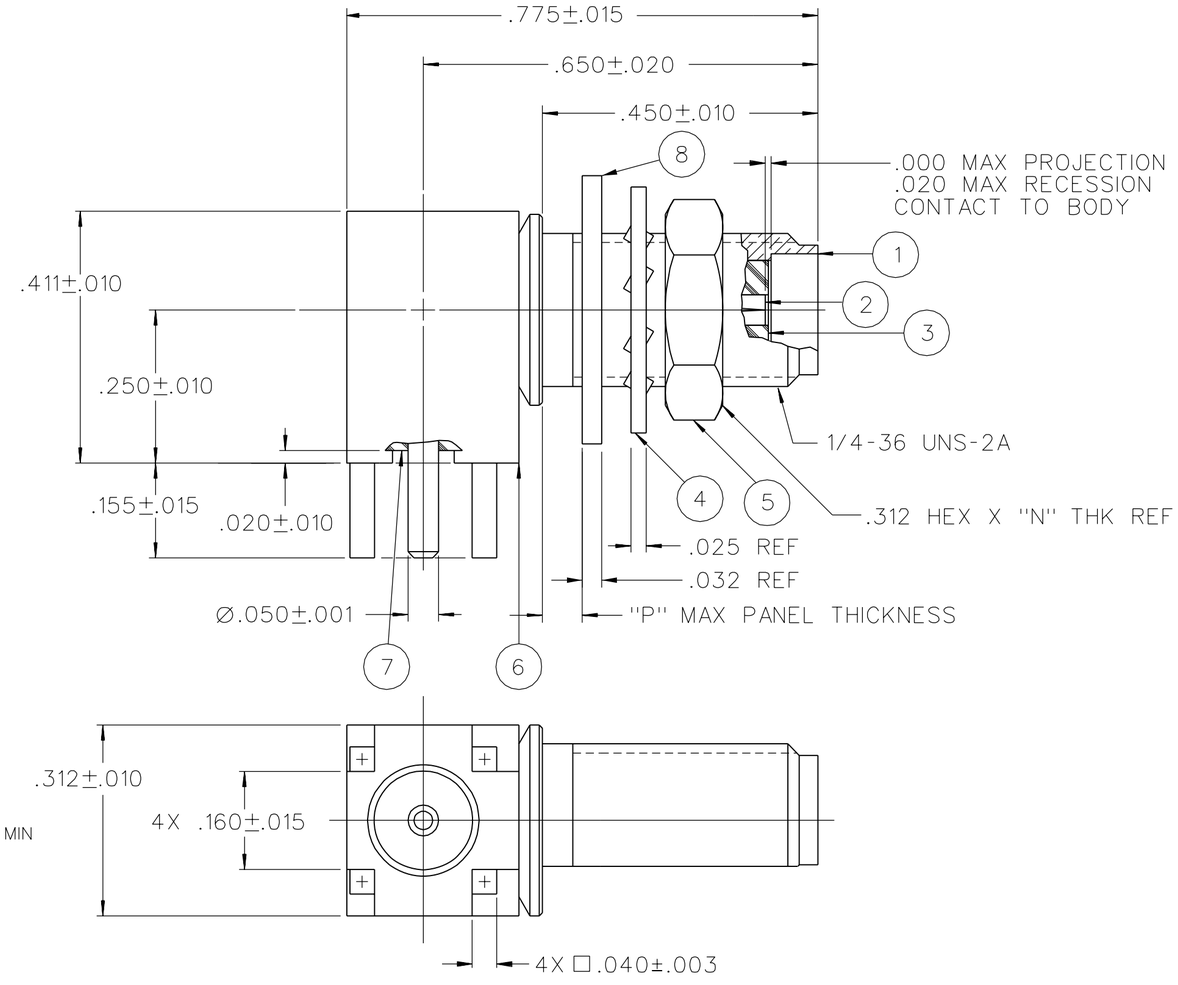
| PART NUMBER | ITEM (1) BODY | ITEM (2) CONTACT (ONE PIECE) | ITEM (3) BODY INSULATOR | ITEM (4) LOCK WASHER | ITEM (5) NUT | ITEM (6) BASE | ITEM (7) BASE INSULATOR | ITEM (8) FLAT WASHER | "N" | "P" |
|---|---|---|---|---|---|---|---|---|---|---|
| 142-0701-501 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |




MOUNTING HOLE




MOUNTING HOLE LAYOUT

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

DRAWING NO. C - 142-0701-501/510

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | REVISIONS | | | | | | | | | |
| WAS P/N 030-3362-579 ENGINEERING RELEASE | | | | | | | | | | |
| 01 | 03-15-89 | E/T | RJB | AAW | | | 04-12-89 ECO 23895 | | | |
| VERSION UPDATE. | | | | | | | | | | |
| 02 | 09-14-89 | E/T | JCN | RJB | AAW | | 09-19-89 ECO 24146 | | | |
| VERSION UPDATE. | | | | | | | | | | |
| 03 | 09-14-89 | E/T | JCN | TAK | AAW | | 10-25-89 ECO 24177 | | | |
| VERSION UPDATE. | | | | | | | | | | |
| 4 | 9-6-91 | RH | PNA | TAK | RJB | HEM | 10-11-91 ECO 40551 | | | |
| CHANGED: .775+-.015 WAS .837+-.015, .312+-.010 WAS DIA .375+-.010, 4X □.040+-.003 WAS 4X .040+-.003, RF HIGH POT 4 AND 7 MHZ WAS 5 MHZ | | | | | | | | | | |
| 5 | 9-29-92 | RH | TAK | RJB | PAH | | 10-6-92 ECO 41206 | | | |
| CHANGED: .411+-.010 WAS .406+-.010 | | | | | | | | | | |
| 6 | 9-14-94 | RH | RJB | PAH | | | 9-27-94 ECN 46271 | | | |
| ADDED: P/N 142-0701-502 | | | | | | | | | | |
| 6a | 2-17-97 | RH | RJB | BA | | | ECN 44649 | | | |
| CHANGED: ITEM 4 LOCKWASHER BRONZE WAS BRASS, .094 THK REF WAS .063 THK REF, .025 REF WAS .032 REF, .109 MAX PANEL THICKNESS WAS .125 MAX PANEL THICKNESS, UPDATED GRAPHICS | | | | | | | | | | |
| 7 | 12-4-02 | RH | RJB | | | | ECN 47942 | | | |
| ADDED: P/N 142-0701-503, TABULATED DIMENSIONS "N", "P" & "W" | | | | | | | | | | |
| ********** * REVISION NUMBER FOLLOWED BY AN ALPHA CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. * ********** | | | | | | | | | | |
| 7a | 5-8-03 | RH | RJB | | | | ECN 48803 | | | |
| ADDED: P/N 142-0701-507 | | | | | | | | | | |
| ********** * REVISION NUMBER FOLLOWED BY AN ALPHA CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. * ********** | | | | | | | | | | |
| 7b | 12-3-03 | RJB | | | | | 12-15-03 ECN 49089 | | | |
| ADDED: P/N 142-0701-508 | | | | | | | | | | |
| ********** * REVISION NUMBER FOLLOWED BY AN ALPHA CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. * ********** | | | | | | | | | | |
| 7c | 10-21-04 | RJB | | | | | 11-2-04 ECN 49495 | | | |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | DATE |
|---|---|---|---|
| DECIMALS | mm | Bedney | 3-1-89 |
| .XX | | CHECKED BY | DATE |
| .XXX | | APPROVED BY RJB | DATE 3-15-89 |
| MATL | | RELEASE DATE | 10-25-89 |
| FINISH | | U/M INCH | SCALE 5:1 |

cinch CONNECTIVITY SOLUTIONS a bel group

Cinch Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
JACK ASSEMBLY,
RA PC MOUNT BULKHEAD
SMA

SHEET 2 OF 2

DRAWING NO. C - 142-0701-501/510

Please read our datasheet & drawing disclaimer here.