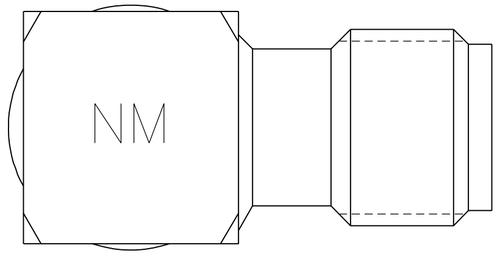
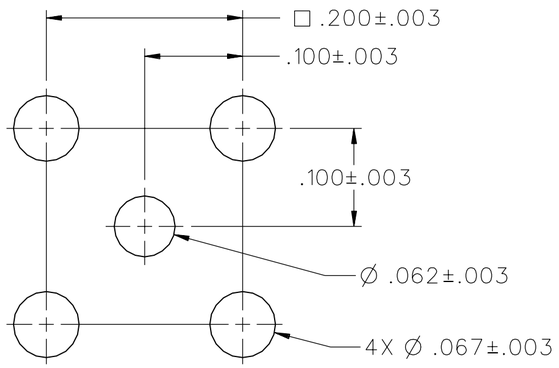
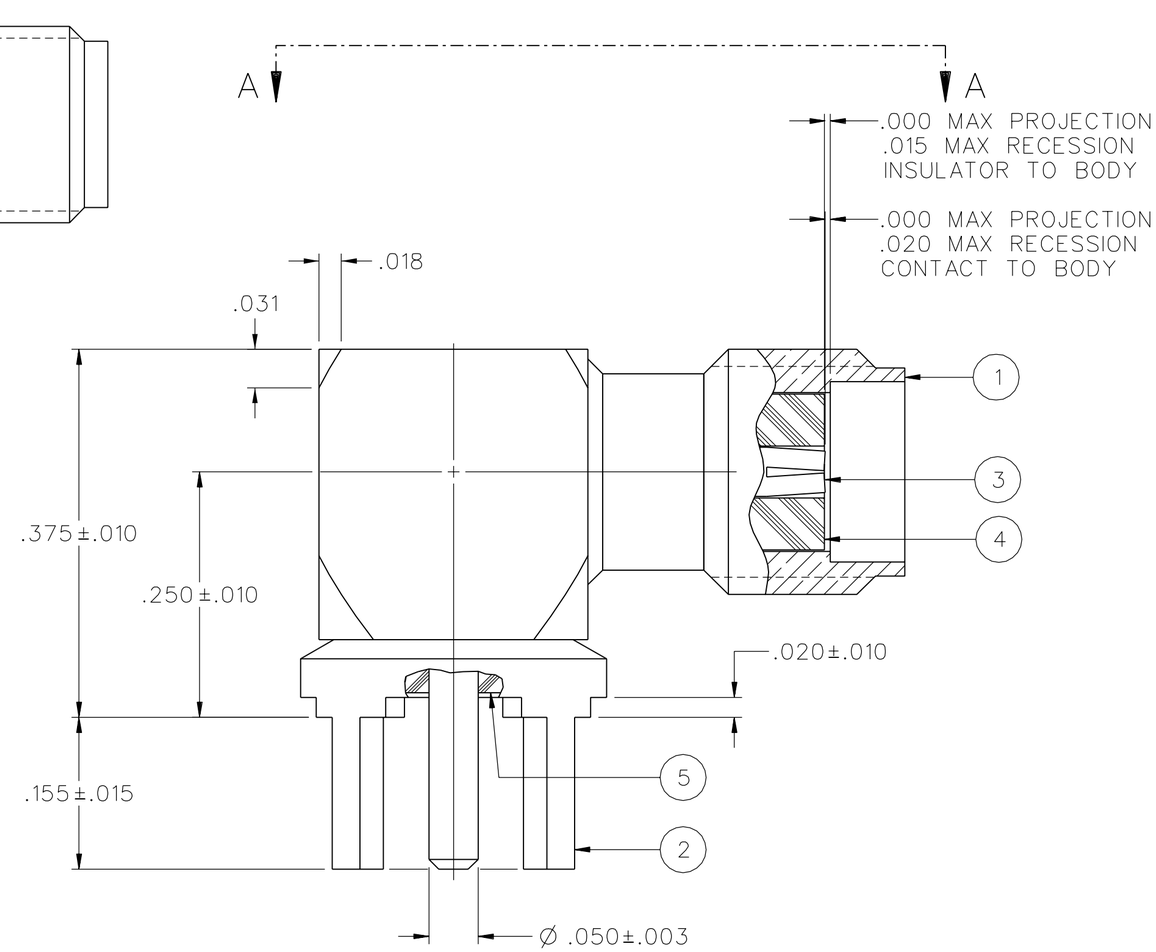
PART NUMBER	ITEM ① BODY	ITEM ② BASE	ITEM ③ CONTACT (ONE PIECE)	ITEM ④ TOP INSULATOR	ITEM ⑤ BOTTOM INSULATOR
142-9701-301	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFLON
142-9701-304	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFLON

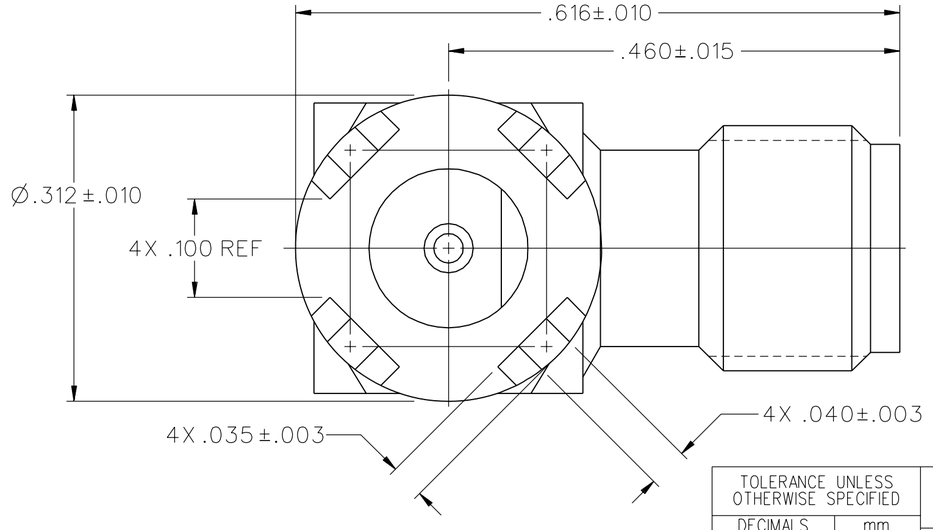


VIEW A-A
8:1



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: 15 INCH-POUNDS MIN
   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

2. CONNECTOR MARKED "NM" FOR NON-MAGNETIC.

DRAWING NO. C-142-9701-301/310

0	REVISIONS		
ENGINEERING RELEASE			
1	7-8-03	RSH TAK RJB	ECN 48838
CHANGED MATERIAL FROM COPPER TO COPPER ALLOY			
2	10-19-06	PAT JDS TAK	11-2-06 ECN 50708

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	RSH	1-8-03
.XX		CHECKED BY	DATE
.XXX			
MATL		APPROVED BY TAK	DATE 7-8-03
FINISH		RELEASE DATE	7-8-03
		U/M INCH	SCALE 10:1

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
NON-MAGNETIC SMA

SHEET 2 OF 2

DRAWING NO. C-142-9701-301/310

Please read our datasheet & drawing disclaimer here.