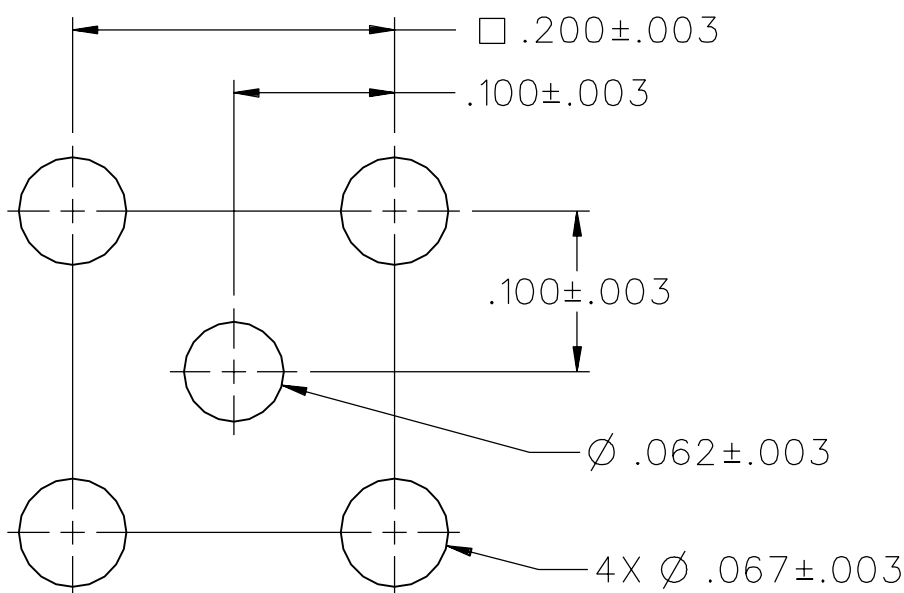
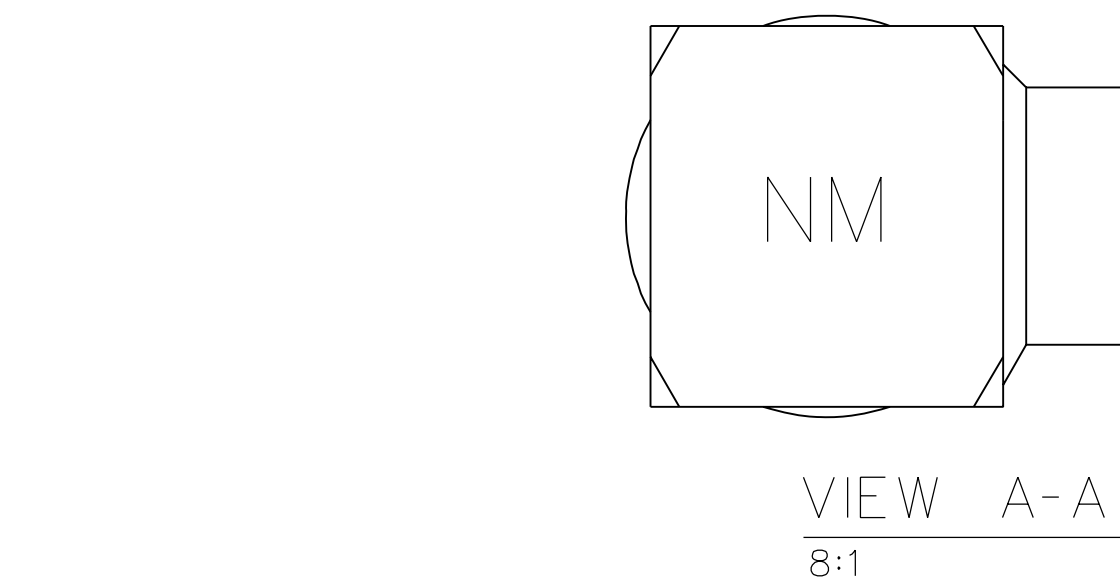


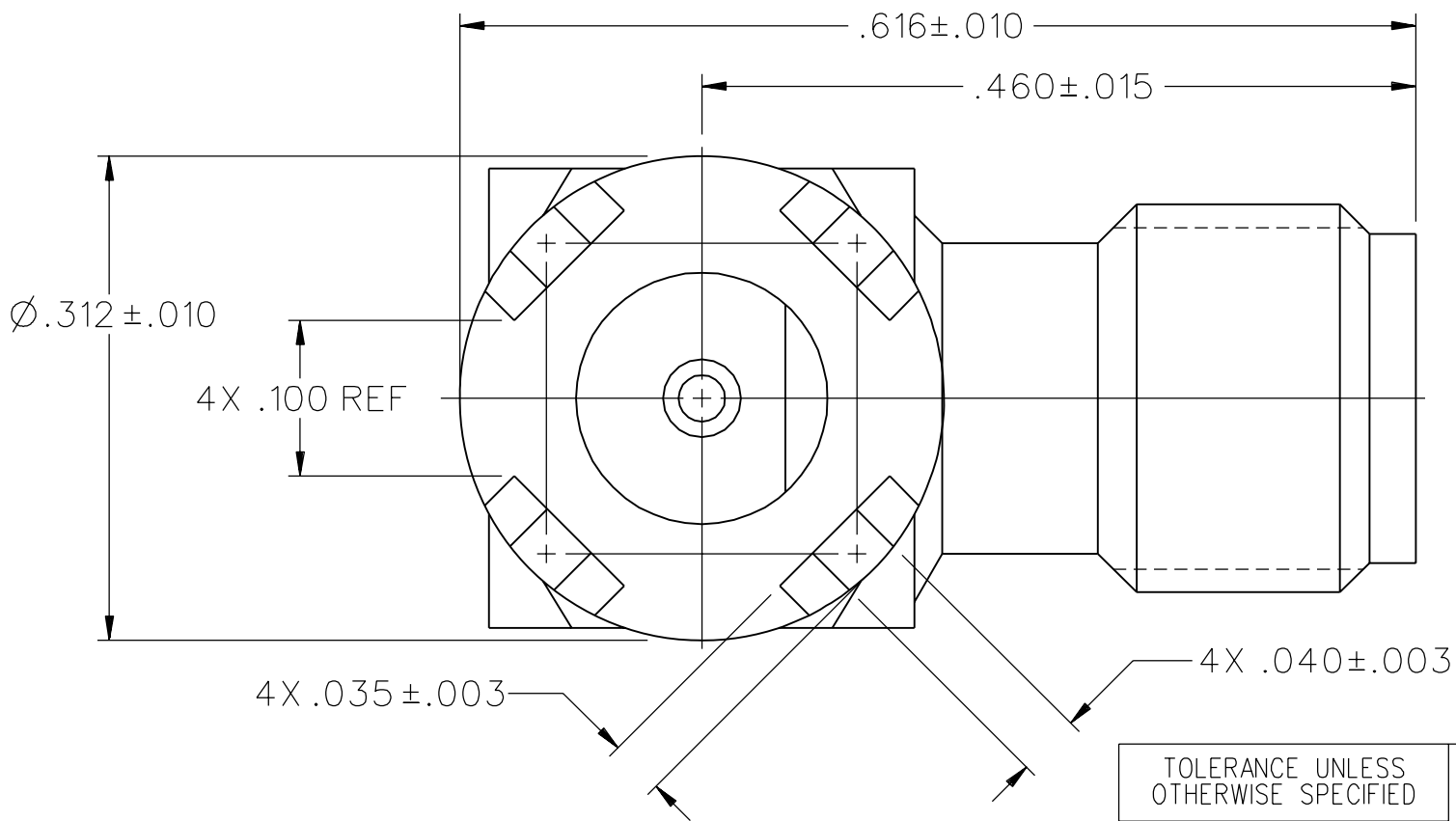
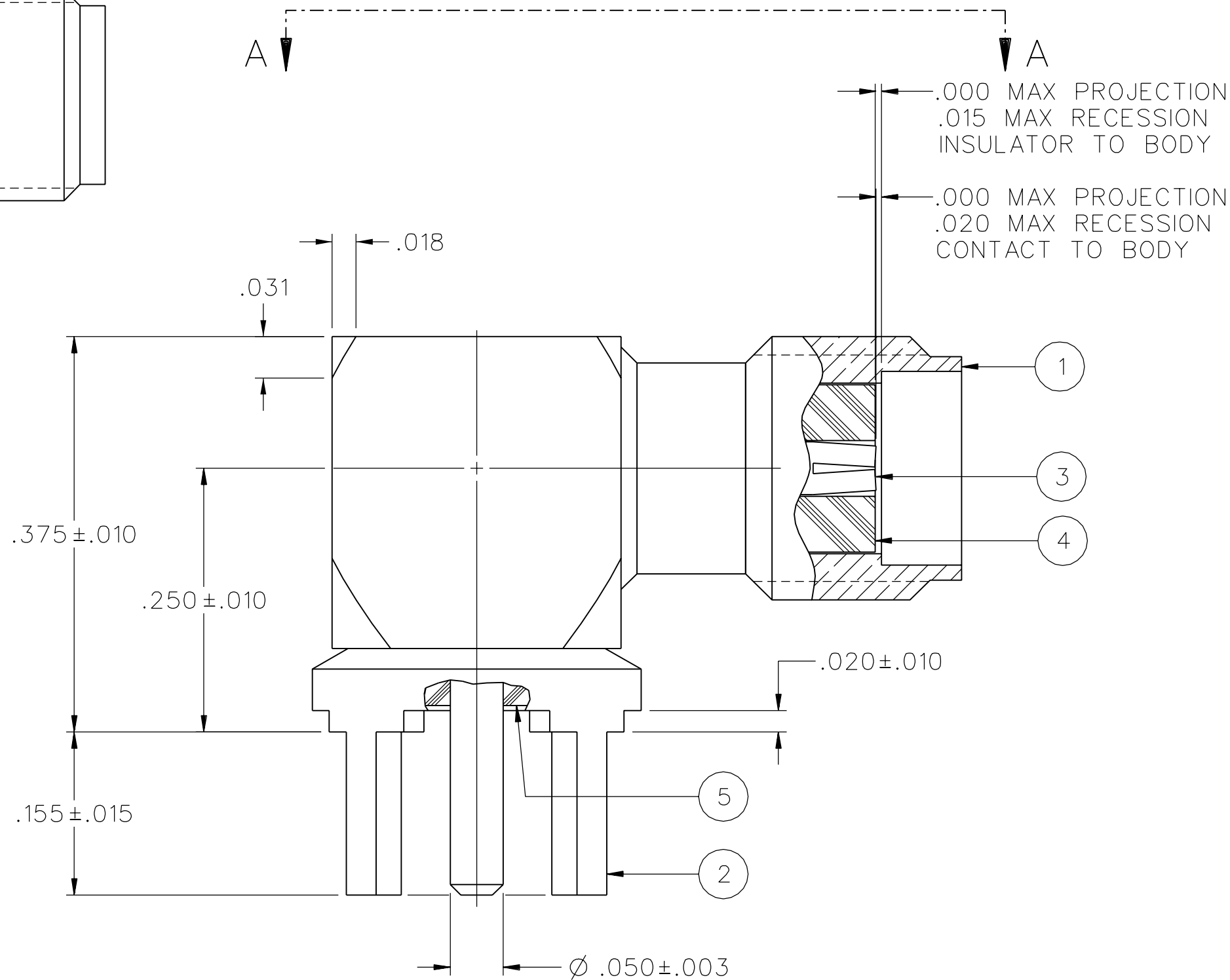
PART NUMBER	ITEM ① BODY	ITEM ② BASE	ITEM ③ CONTACT (ONE PIECE)	ITEM ④ TOP INSULATOR	ITEM ⑤ BOTTOM INSULATOR
142-9701-301	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON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

DRAWING NO.									
C - 142-9701-301/310									
0		REVISIONS							
ENGINEERING RELEASE									
1	7-8-03		R	T	R			ECN 48838	
			H	A	J				
			B	K	B				
CHANGED MATERIAL FROM COPPER TO COPPER ALLOY									
2	10-19-06		P	J	T			11-2-06	
			A	D	A			ECN 50708	
			T	S	K				



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.



TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RSH	DATE 1-8-03	Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY	DATE		
.XX	_____			TITLE JACK ASSEMBLY, RA PC MOUNT NON-MAGNETIC SMA	
.XXX	_____	APPROVED BY TAK	DATE 7-8-03		
MATL	_____	RELEASE DATE	7-8-03	SHEET 2 OF 2	DRAWING NO. C - 142-9701-301/310
FINISH	_____	U/M	INCH	SCALE	10:1

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL