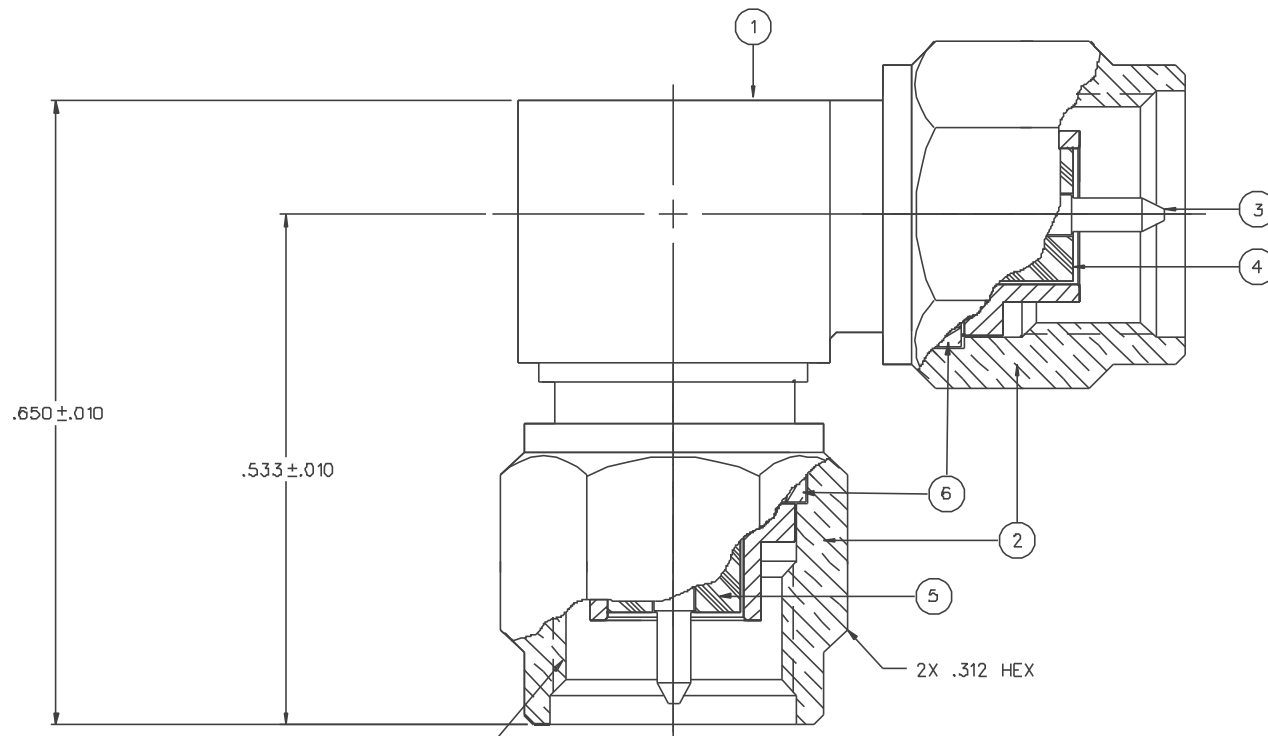


PART NUMBER	ITEM ① BODY SUBASSEMBLY	ITEM ② NUT	ITEM ③ CONTACT - ONE PIECE	ITEM ④ INSULATOR TEFLON	ITEM ⑤ INSULATOR TEFLON	ITEM ⑥ RETENTION SPRING BERYLLIUM COPPER UNPLATED
142-0901-931	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN			

DRAWING NO. C - 142-0901-931/940	
0	REVISIONS
ENGINEERING RELEASE	
1	10-30-98 R H K T R E ECN 46002



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-14 GHZ
VSWR: 1.035+.02F (F IN GHZ)
WORKING VOLTAGE: 500 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 375 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 √ F (F IN GHZ) AT 6 GHZ
RF LEAKAGE: NOT APPLICABLE
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS AT 4 AND 7 MHZ

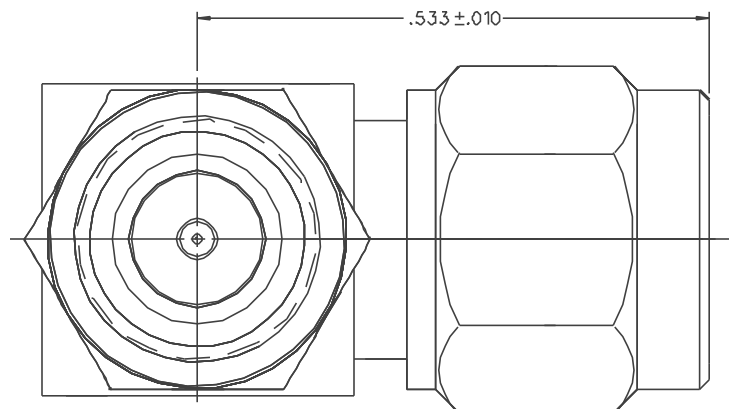
MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH POUNDS
COUPLING PROOF TORQUE: 15 IN-LB MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
4 IN-.02 MIN RADIAL TORQUE

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-C-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



CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY KAS	DATE 12/22/97	 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	TITLE SMA RA IN SERIES PLUG-PLUG ADAPTER	
DECIMALS .XX	mm	CHECKED BY KAS	DATE 11-5-98			
.XXX +-.003		APPROVED BY TAK	DATE 11-5-98	CODE NO.	DRAWING NO. C - 142-0901-931/940	
MATL		APPROVED BY RJB	DATE 11-9-98			
FINISH		RELEASE DATE		SCALE 10:1		U/M INCH