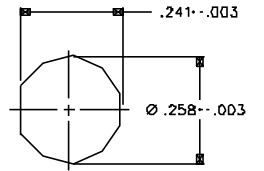
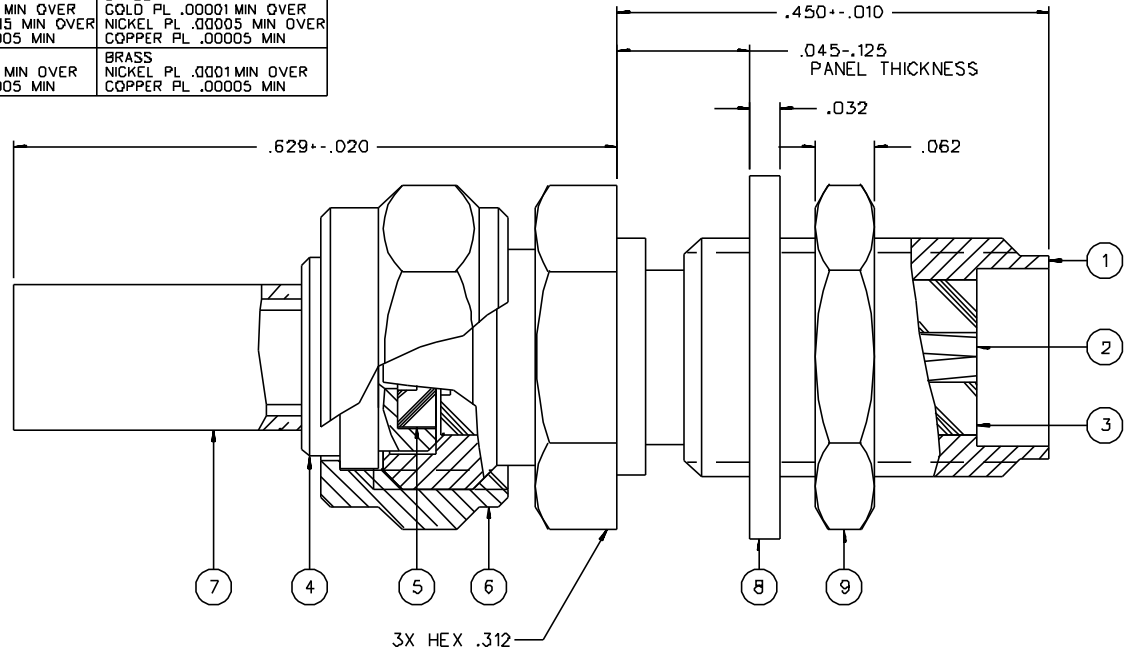
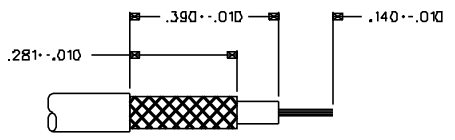


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ CRIMP STEM	ITEM ⑤ INSULATOR	ITEM ⑥ CAP NUT	ITEM ⑦ CRIMP SLEEVE
142-0303-4D1	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0303-4D6	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN

PART NUMBER	ITEM ⑧ FLAT WASHER	ITEM ⑨ NUT
142-0303-4D1	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
142-0303-4D6	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



MOUNTING HOLE



CABLE STRIP DIMENSIONS

NOTES:

- SPECIFICATIONS:
 - IMPEDANCE: 50 OHMS
 - FREQUENCY RANGE: 0-12.4 GHz
 - VSWR: 1.15-.02 F MAX (F IN GHz)
 - WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
 - DIELECTRIC WITHSTANDING VOLTAGE: 750 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
 - BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED) 5.0 MILLIOHM MAX (NICKEL PLATED)
 - CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
 - INSERTION LOSS: .06% F MAX (F IN GHz) AT 6 GHz
 - RF LEAKAGE: -60 DB MIN AT 2.5 GHz
 - RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 VRMS MIN AT 4 AND 7 MHZ
- 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: RG 188/U, RG 316/U, RG 161/U, RG 174/U
 - CABLE HEX CRIMP SIZE: .128
 - CABLE RETENTION: 20 LBS MIN AXIAL FORCE
 - DURABILITY: 500 CYCLES MIN
- ENVIRONMENTAL:
 - (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
 - THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT B5° C HIGH TEMP
 - 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: ML-STD-202, METHOD 204, CONDITION D
 - MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

DRAWING NO. C - 142-0303-401/410	
0 REVISIONS	
ENGINEERING RELEASE	
01 05-04-90	9-14-90 ECO 24556
CHANGED: .450 WAS .430. .045-.125 WAS .055-.103.	
2 9-7-90	9-10-90 ECO 24911
CHANGED: RF LEAK 2 TO 3 GHz WAS 2.5 GHz, RF HIGH POT 4 & 7 MHZ WAS 5 TO 7.5 MHZ	
***** REVISION NUMBER FOLLOWED BY AN ALPHA ***** ***** CHARACTER INDICATES DRAWING CLASS ***** ***** CATION OR PART NUMBER ADDITION ONLY *****	
2a 4-18-95	ECN 43311

CUSTOMER DRAWING

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

"µSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY EJ	DATE 3-27-90	299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS .XX	CHECKED BY	DATE	TITLE JACK ASSEMBLY STRAIGHT CABLED BULKHEAD SMA, RG 316	
.XXX REF	APPROVED BY	DATE	CODE NO.	DRAWING NO. C - 142-0303-401/410
MATL	APPROVED BY RJB	DATE 5-4-90	SCALE 10:1	U/W INCH SHEET 2 OF 2
FINISH	RELEASE DATE	DATE 5-14-90		