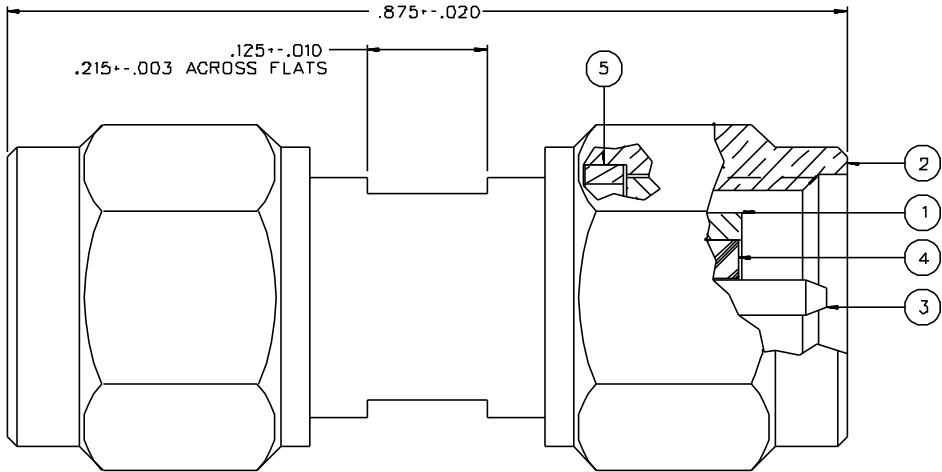


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING
142-0901-811	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED
142-0901-816	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-18 GHz
 VSWR: 1.05:1 F MAX {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 dB MAX {F IN GHz} AT 6 GHz
 RF LEAKAGE: -90 DB MIN AT 2.5 GHz
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
 MATING TORQUE: 7-10 INCH POUNDS
 COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN
 COUPLING NUT RETENTION: 60 LBS MIN
 CONTACT RETENTION: 4 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-C-55339)
 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: ML-STD-202, METHOD 204, CONDITION D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

DRAWING NO.											
C - 142-0901-811/820											
0	REVISIONS										
ENGINEERING RELEASE											
01	08-30-89	<table><tr><td>E</td><td>R</td><td>B</td><td>B</td></tr><tr><td>7</td><td>8</td><td>8</td><td>9</td></tr></table>	E	R	B	B	7	8	8	9	9-5-89 ECO 24062
E	R	B	B								
7	8	8	9								
CHANGED: .215 ± .003 WAS ± .005. .125 ± .010 WAS ± .005, 500 VRMS WAS 335, 1500 VRMS WAS 1000											
2	2-20-91	<table><tr><td>H</td><td>R</td><td>B</td><td>B</td></tr><tr><td>1</td><td>1</td><td>8</td><td>9</td></tr></table>	H	R	B	B	1	1	8	9	3-4-91 ECO 24689
H	R	B	B								
1	1	8	9								
CHANGED: THERMAL SHOCK CONDI- TION B WAS C, MIL-A-55339 WAS MIL-C-39012, RF LEAK -90 WAS -60, 2.5 GHz WAS 2 TO 3 GHz, HIGH POT 4 AND 7 MHz WAS 5 TO 7.5 MHz											
3	1-11-92	<table><tr><td>H</td><td>R</td><td>B</td><td>B</td></tr><tr><td>1</td><td>1</td><td>8</td><td>9</td></tr></table>	H	R	B	B	1	1	8	9	ECO 40746
H	R	B	B								
1	1	8	9								

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY EJ	DATE 7-11-89	 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS	mm	CHECKED BY	DATE		
.XX		APPROVED BY	DATE	TITLE ADAPTER ASSEMBLY, PLUG - PLUG SMA	
.XXX		APPROVED BY RJB	DATE 8-30-89		
MATL		RELEASE DATE	9-5-89	CODE NO.	DRAWING NO. C - 142-0901-811/820
FINISH				SCALE 10:1	U/N INCH SHEET 2 OF 2