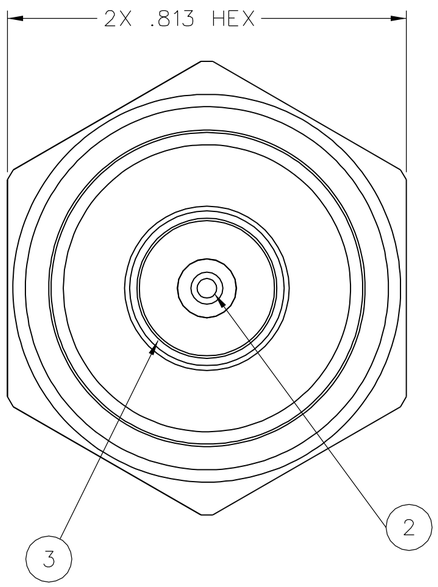
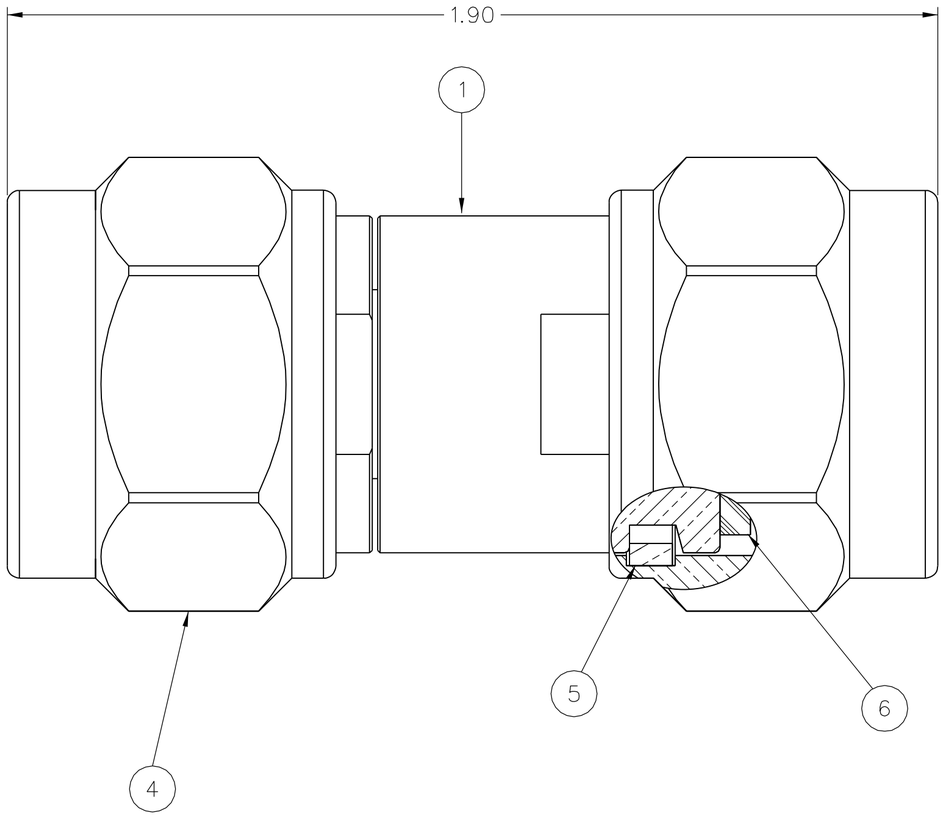
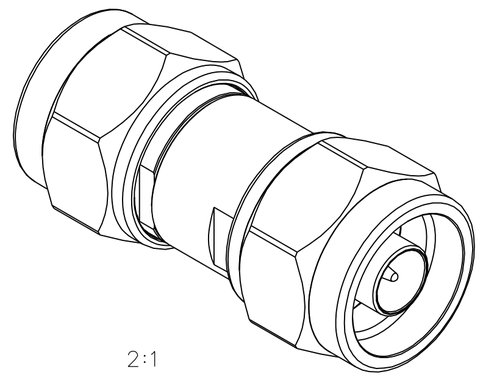
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) SUPPORT BEAD	ITEM (4) 2X COUPLING NUT	ITEM (5) 2X RETENTION SPRING	ITEM (6) 2X SEAL GASKET
138-4901-816	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON DIELECTRIC BRASS HOUSING NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER
138-4901-817	BRASS TRI-ALLOY PL .0001 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON DIELECTRIC BRASS HOUSING NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS TRI-ALLOY PL .0001 MIN	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER







2:1

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHz
VSWR: 1.05+.01F (GHz) MAX AT 0-18 GHz
WORKING VOLTAGE: 1000 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 2500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 1.5 MILLIOHM MAX, AFTER ENVIRONMENTAL 2.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 0.3 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 500 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .05 $\sqrt{F}$ (GHz) dB MAX, TESTED AT 9 GHz
RF LEAKAGE: -90 dB MIN AT 2 TO 3 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1500 VRMS AT 4 AND 7 MHz
THIRD ORDER INTERMODULATION PRODUCT (IMP3): TYPICALLY < -90 dBm
(TESTED PER IEC GUIDELINES WITH 20W CW INPUTS AT 1930-1990 MHz)

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 6 IN-LBS MAX
MATING TORQUE: 7-10 IN-LBS
COUPLING PROOF TORQUE: 15 IN-LBS MIN
COUPLING NUT RETENTION: 100 LBS MIN
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-55339)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION C, EXCEPT 85°C HIGH TEMP
OPERATING TEMPERATURE: -65°C TO 165°C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

DRAWING NO. C-138-4901-811/820

	REVISIONS					
0	REVISIONS					
ENGINEERING RELEASE						
1	2-1-06	PAT	JRK	PDW	MJU	4-12-06 ECN 50239
VERSION UPDATE						
1a	2-15-10	CWW	SDJ	JRK	MJU	2-15-10 ECO 52129

* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS: .XX ——— mm ——— .XXX REF ——— mm ——— MATL ——— FINISH ———	DRAWN BY PAT	DATE 2-1-06
	PDW PDW	DATE 4-11-06
	APPROVED BY JRK	DATE 4-11-06
	RELEASE DATE 4-12-06	
	U/M INCH	SCALE 4:1

EMERSON Network Power
Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
ASSEMBLY, ADAPTER, TYPE N PLUG TO PLUG

SHEET 2 OF 2

DRAWING NO. C-138-4901-811/820