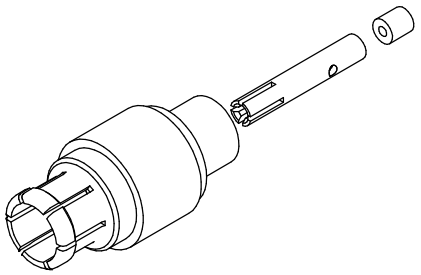
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ CABLE STOP
125-0692-001	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL.00005 MIN OVER COPPER PL.00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL.00005 MIN OVER COPPER PL.00005 MIN	TEFLON	TEFLON

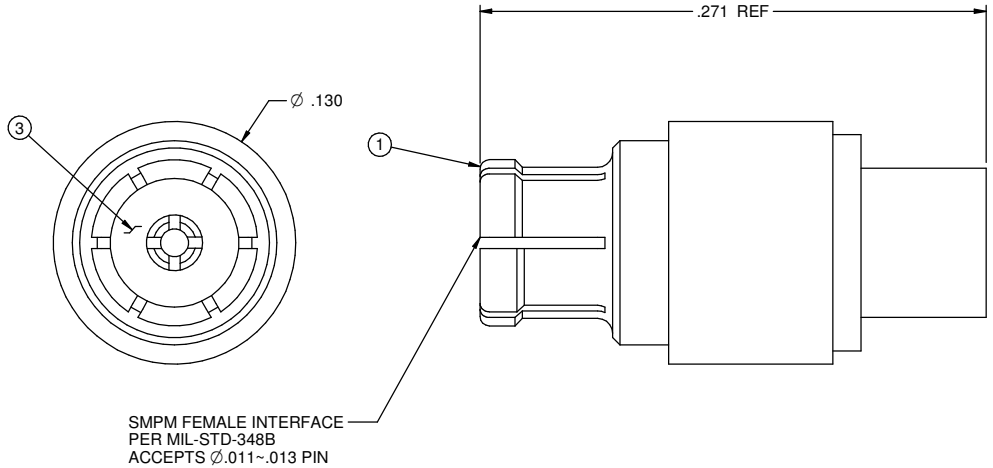
DRAWING NO.
125-0692-001

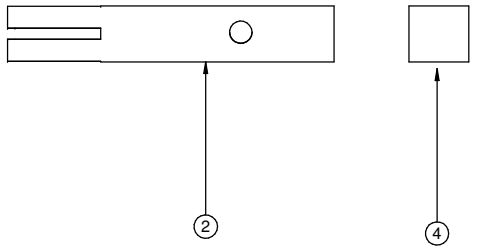
REVISIONS

	RELEASE						
1	7-28-2013	R S	R S	L M			ECO-13-0205



10:1





SPECIFICATION:

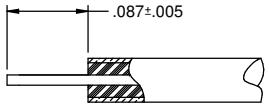
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-40GHz
VSWR: 1.15 MAX TO 26.5GHz, 1.30 MAX TO 40GHz
INSERTION LOSS: 0.12 √F dB MAX (F IN GHz)
DIELECTRIC WITHSTANDING VOLTAGE: 325 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
OUTER CONDUCTOR - INITIAL 2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
RF LEAKAGE: -80dB TYPICAL AT 3GHz

MECHANICAL:

ENGAGEMENT FORCE: FULL DETENT(FD) 4.5LBS TYPICAL; SMOOTH BORE(SB) 2.5LBS TYPICAL
DISENGAGEMENT FORCE: FD 6.5LBS TYPICAL; SB 1.5LBS TYPICAL
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
DURABILITY: FD 100 CYCLES MIN; SB 500 CYCLES MIN

ENVIRONMENTAL:

OPERATING TEMPERATUR: -65 TO 165℃
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
CORROSION: MIL-STD-202, METHOD 101
VIBRATION: MIL-STD-202, METHOD 204
MOISTURE RESISTANCE: MIL-STD-202, MEHTOD 106, EXCEPT STEP 7B



CABLE STRIP DIMENSION
10:1

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

CUSTOMER COPY

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
		R.SHEN	1-27-2013
DECIMALS	INCH	CHECKED BY	DATE
X.X	±0.010	R.SHEN	1-27-2013
X.XX	±0.005	APPROVED BY	DATE
X.XXX	±0.003	L.MA	1-28--2013
ANGLES	±0.5˚	U/M INCH	

THIS DRAWING WAS PRODUCED BY COMPUTER, DO NOT SCALE DRAWING OR UPDATE MANUALLY.

EMERSON Network Power — Connectivity Solutions

TITLE
SMPM FEMALE
STRAIGHT CABLED .047 SEMI-RIGID

SHEET	DRAWING NO.	SIZE
1 OF 1	125-0692-001	C