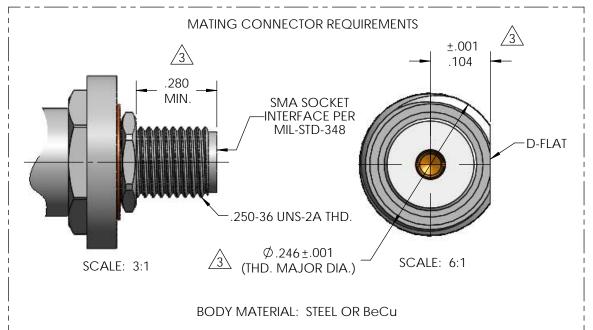
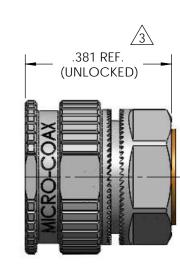
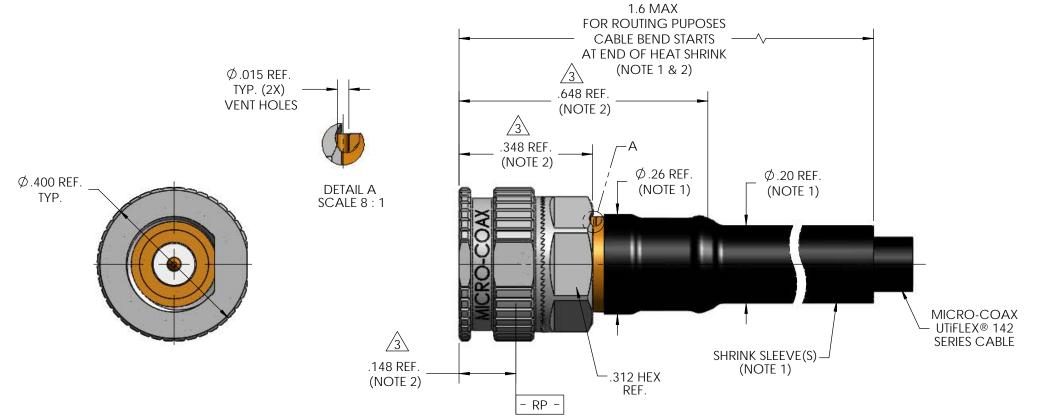
	AL CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	20 LBS.
MASS	3.54 GRAMS NOM.
ELECTRICAL	L CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	30 GHz
VSWR DC - 26.5 GHz	1.16:1 MAX.
26.5 - 30 GHz	1.21:1 MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1200 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 30 GHz	-90 dB MIN.
CORONA	300 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	800 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
OPERATING TEMPERATURE	-100°C TO 150°C
VIBRATION MECHANICAL SHOCK	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
CORROSION	MIL-STD-202, METHOD 101, CONDITION B
COINCOION	IVILESTO-202, IVILITIOD TOT, CONDITION B, 3%
	I .
MATERI	ALS AND FINISH
MATERI COUPLING NUT, LOCKING SLEEVE	ALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
	STEEL, CORROSION RESISTANT, ASTM-A-582,
COUPLING NUT, LOCKING SLEEVE BODY, CONTACT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER
COUPLING NUT, LOCKING SLEEVE BODY, CONTACT INSULATOR DIELECTRIC STOP	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205
COUPLING NUT, LOCKING SLEEVE BODY, CONTACT INSULATOR DIELECTRIC STOP	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205
COUPLING NUT, LOCKING SLEEVE BODY, CONTACT INSULATOR DIELECTRIC STOP SPRING	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON PER ASTM-D-1710
COUPLING NUT, LOCKING SLEEVE BODY, CONTACT INSULATOR DIELECTRIC STOP SPRING	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205 316BRT STAINLESS STEEL, PASSIVATED PER ASTM-B-967
COUPLING NUT, LOCKING SLEEVE BODY, CONTACT INSULATOR DIELECTRIC STOP SPRING AP	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205 316BRT STAINLESS STEEL, PASSIVATED PER ASTM-B-967
COUPLING NUT, LOCKING SLEEVE BODY, CONTACT INSULATOR DIELECTRIC STOP SPRING AP CABLE(S)	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205 316BRT STAINLESS STEEL, PASSIVATED PER ASTM-B-967 PLICATION

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE, ESR 1214145	5/29/2012	PLM	RS	CCF
2	ADDED RED STRIPE SPECIFICATION ON COUPLING NUT	9/4/2012	PLM	RS	RS
3	REVISED SMA BHJ BODY DIMENSIONAL REQUIREMENTS; REVISED LOCKING SLEEVE: REMOVED RED STRIPE	6/3/2013	PLM	RS	RS





SPECIFICATION DRAWING

NOTE:

- 1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
- 2. DIMENSION VALUE BASED ON SLEEVE IN LOCKED POSITION.

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