

MECHANICAL 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	10.83 GRAMS NOM.

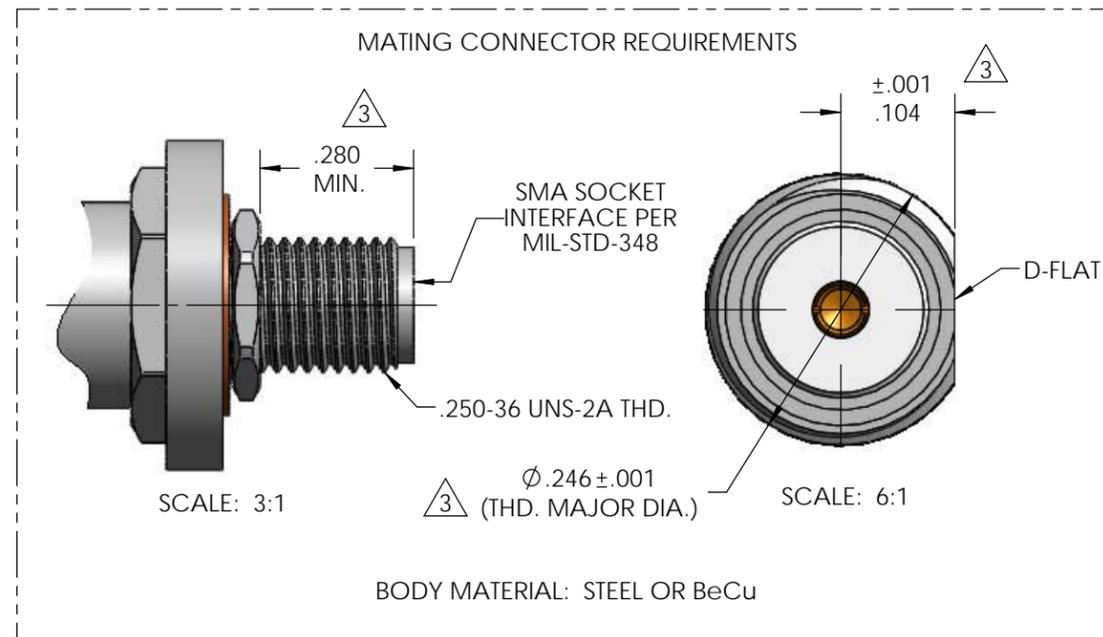
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.12:1 MAX.
12.4 - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.04 \sqrt{f} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1000 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 Milliohms MAX.
CONTACT RESISTANCE (OUTER)	2.0 Milliohms MAX.

ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-100 °C TO 150 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH	
MAIN BODY, COUPLING NUT, LOCKING SLEEVE	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
REAR BODY, CONTACT(S)	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
INSULATOR(S)	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC BEAD(S)	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
SPRING	316BRT STAINLESS STEEL, PASSIVATED PER ASTM-B-967

APPLICATION	
CABLE(S)	293C SERIES CABLE
INSTALLATION	PER CONFIGURATOR

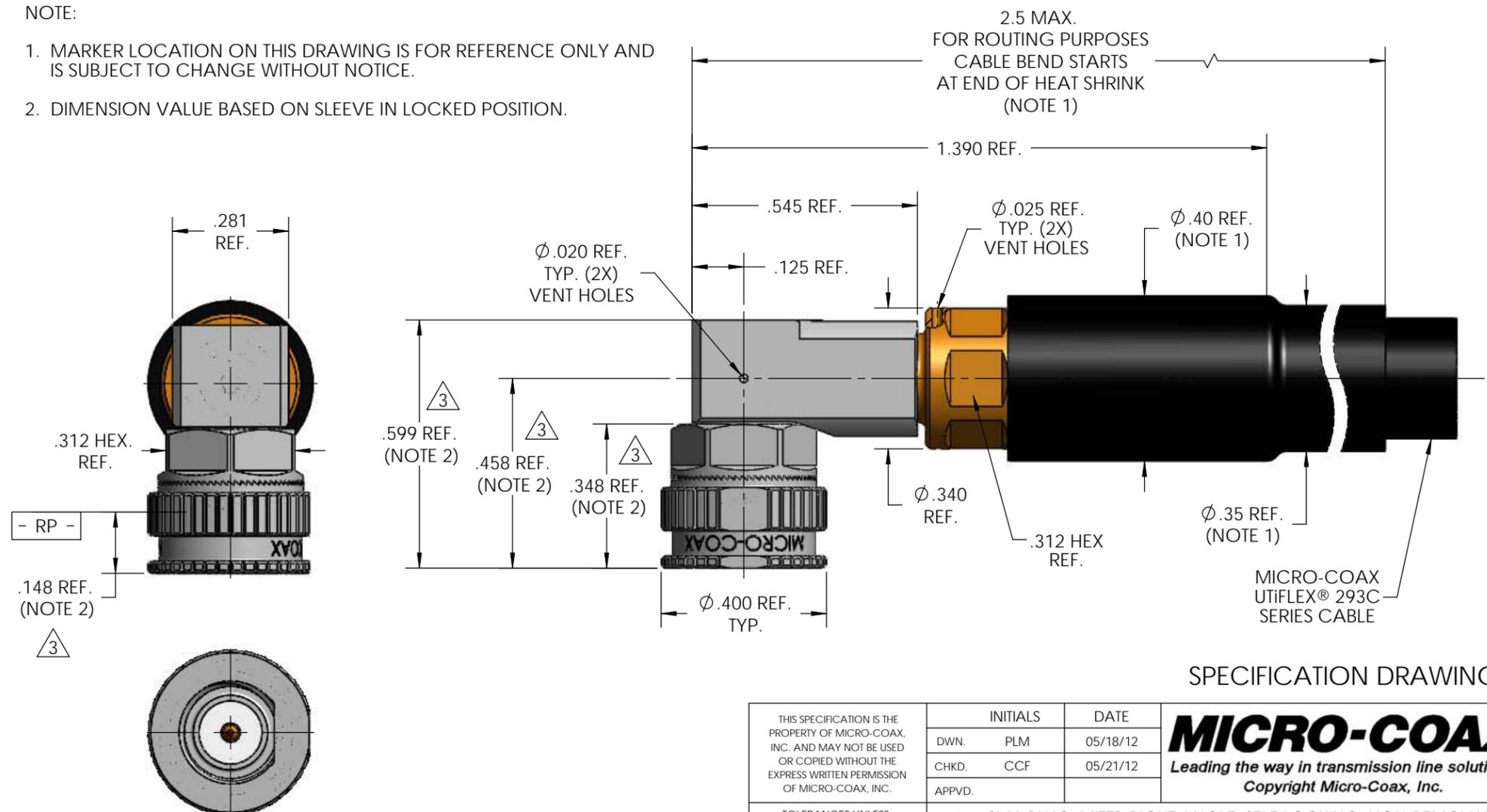
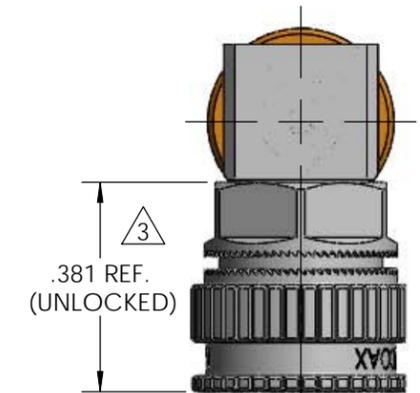
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NOTE:

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.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE, RDCR 117011	5/29/2012	PLM	RS	CCF
2	ADDED RED STRIPE SPECIFICATION FOR 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

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	DWN. PLM	05/18/12						
	CHKD. CCF	05/21/12						
	APPVD.							
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE SMA PLUG, MITER RIGHT ANGLE, SELF-LOCKING, NON-REMOVABLE SLEEVE, VENT HOLES, 293C, SPACE GRADE		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
XX ± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		64639	B	3:1	1 OF 1	SD905187	3
.XXX ± .005								
.XXX ± .0010								
ANGLES ± 2°								