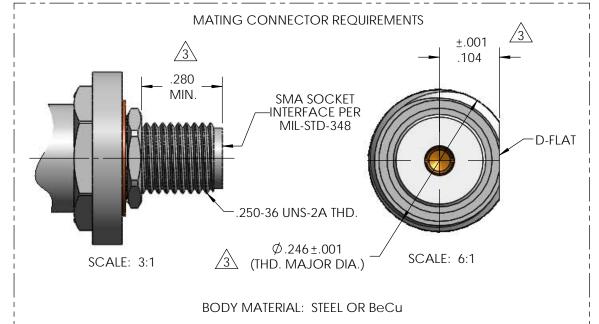
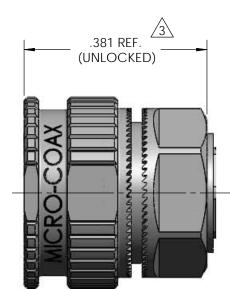
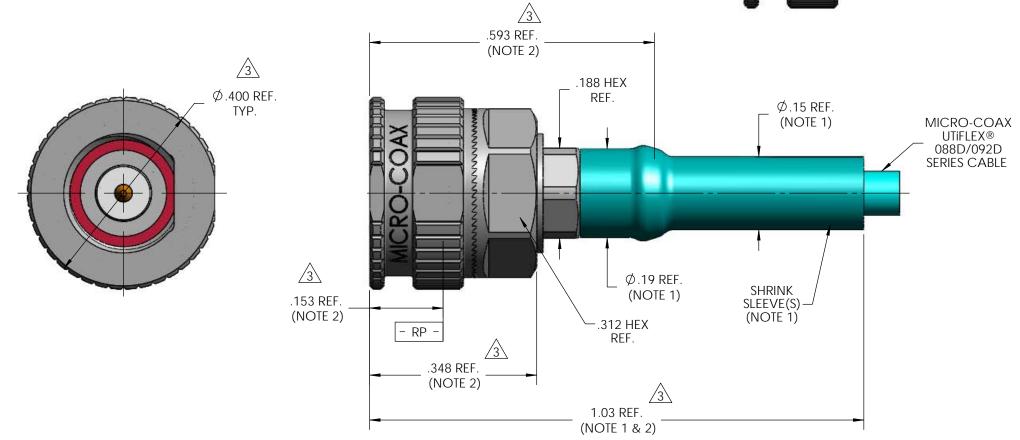
MECHANICA	AL CHARACTERISTICS
NTERFACE	MIL-STD-348, FIGURE 310-1
N ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	3 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	3.50 GRAMS NOM.
ELECTRICAL	_ CHARACTERISTICS
MPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	32 GHz
VSWR DC - 18 GHz	1.12:1 MAX.
18 - 26.5 GHz	1.16:1 MAX.
26.5 GHz - 32 GHz	1.22:1 MAX.
nsertion loss	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	650 Vrms MIN.
NSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
18 GHz - 32 GHz	TBD
CORONA	170 Vrms MIN. @ 70,000 FEET
rf high potential	425 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMEN'	TAL CHARACTERISTICS
OPERATING TEMPERATURE	-62 °C TO 165 °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%
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
MATERI	ALC AND FINICIA
MAIERI	ALS AND FINISH
COUPLING NUT, LOCKING SLEEVE	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
BODY	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT	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
NSULATOR(S)	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC BEAD	POLYEHERIMIDE THERMOPLASTIC, PER ASTM-D-5205I
GASKET	SILICONE RUBBER PER ZZ-R-765
SPRING	316BRT STAINLESS STEEL, PASSIVATED PER ASTM-B-967
АР	PLICATION
CABLE(S)	088D/092D CABLE
NSTALLATION	PER CONFIGURATOR

## THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE	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	6/4/2013	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.

_											DIO WING		
	THIS SPECIFICATION IS THE PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED			INITIALS	DA	TE			2	20	2041	T(R)	
			DWN.	PLM	05/24	4/12	MICRO-COA			CUAX	X		
	OR COPIED V		CHKD.	CCF	05/2	5/12	Leading the way in transmission line so				ission line solutions	utions.	
	OF MICRO-COAX, INC.		APPVD.					- 5	Copyri	ght Micro-	Coax, Inc.		
	TOLERANCES UNLESS OTHEWISE SPECIFIED		TITLE	SMA PLUG, SELF-LOCKING, REMOVABLE SLEEVE, HIGHT FREQUENCY, 088D/092D CABLE									
Γ	.XX	± .02			HIGH	11 FREQUENCY, U00D/U92D CABLE							
Г	.XXX	± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORE			FIED.		SIZE	SCALE	SHEET NO.	DRAWING NO.	REV	
	.XXXX	± .0010						D	5.1	1 OF 1	SD905196	3	
	ANGLES	NGLES ±2° WITH ANSI B1.1-1989.			9.	04039		D	5.1	I OF I	30903190	٦	