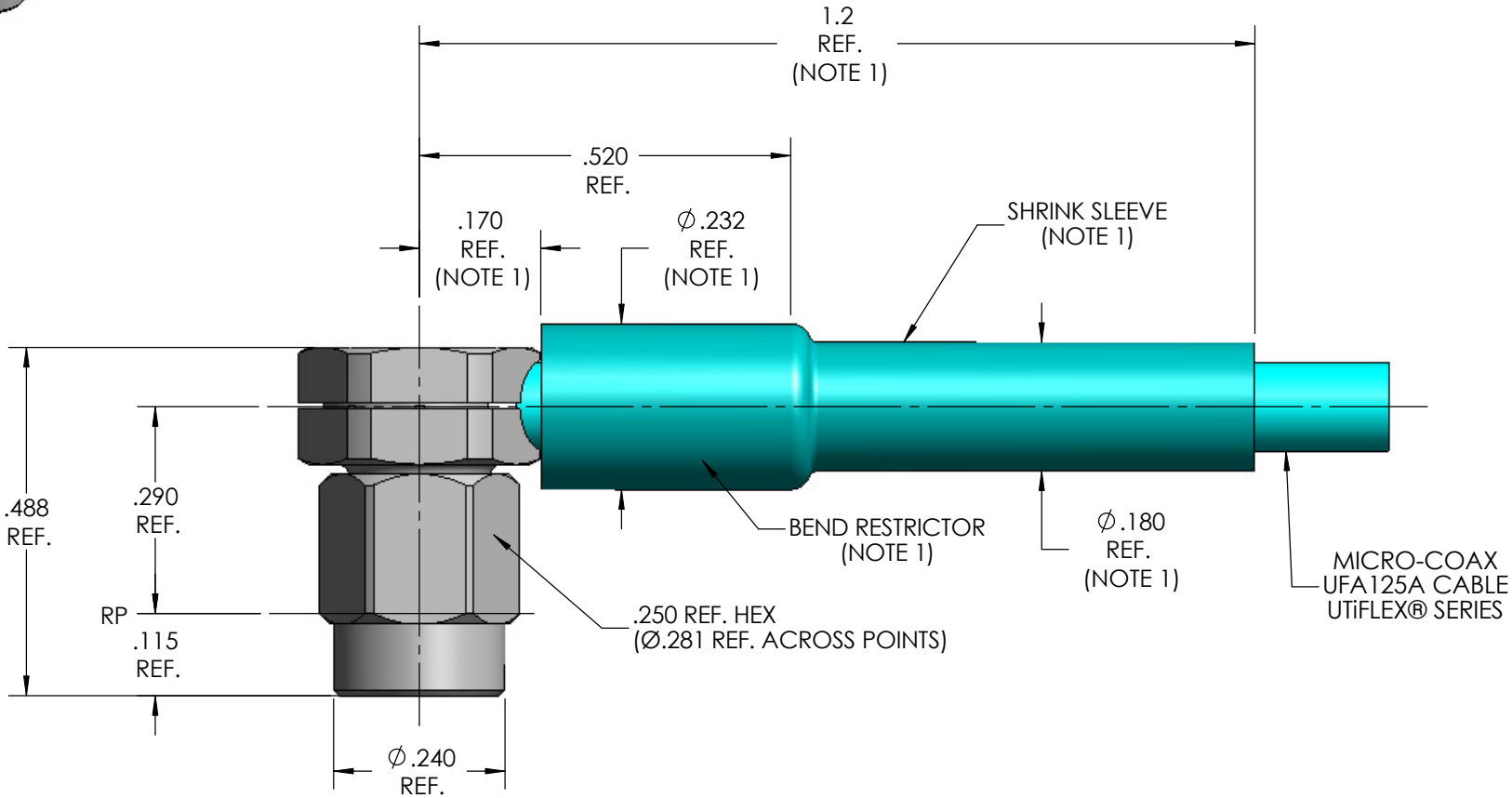
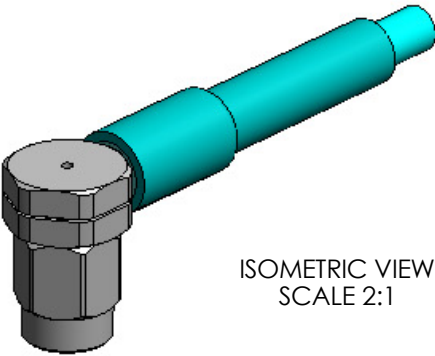


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 319-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/140 REF.
RECOMMENDED MATING TORQUE	5 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS NOM.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MIN.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	4 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	2 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.03 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	36 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 36GHz	1.20:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	750 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	190 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	500 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°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
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
BODY & COVER	STEEL, CORROSION RESISTANT PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER A-A-59588 (ZZ-R-765)
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
EPOXY ENCAPSULENT	SIGMA PLASTRONICS - VARYFLEX - TYPE HV - ITEM 360219
APPLICATION	
CABLE(S)	UFA125A
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	PRELIMINARY RELEASE	8/17/2004	SRS	LXT	-
B	ECO 55412	6/15/2005	SRS	MJK	-
C	ECO 135535	11/18/2013	MJM	RS	CCF



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

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		DWN.	RDM	10/17/03						
		CHKD.	CCF	10/20/13						
		APPVD.								
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE								
		SSMA RIGHT ANGLE PLUG, LOW PROFILE, UFA125A CABLE								
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.			FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
.XXX	± .005				64639	B	4:1	1 OF 1	SD903878	C
.XXXX	± .0010									
ANGLES	±2°									