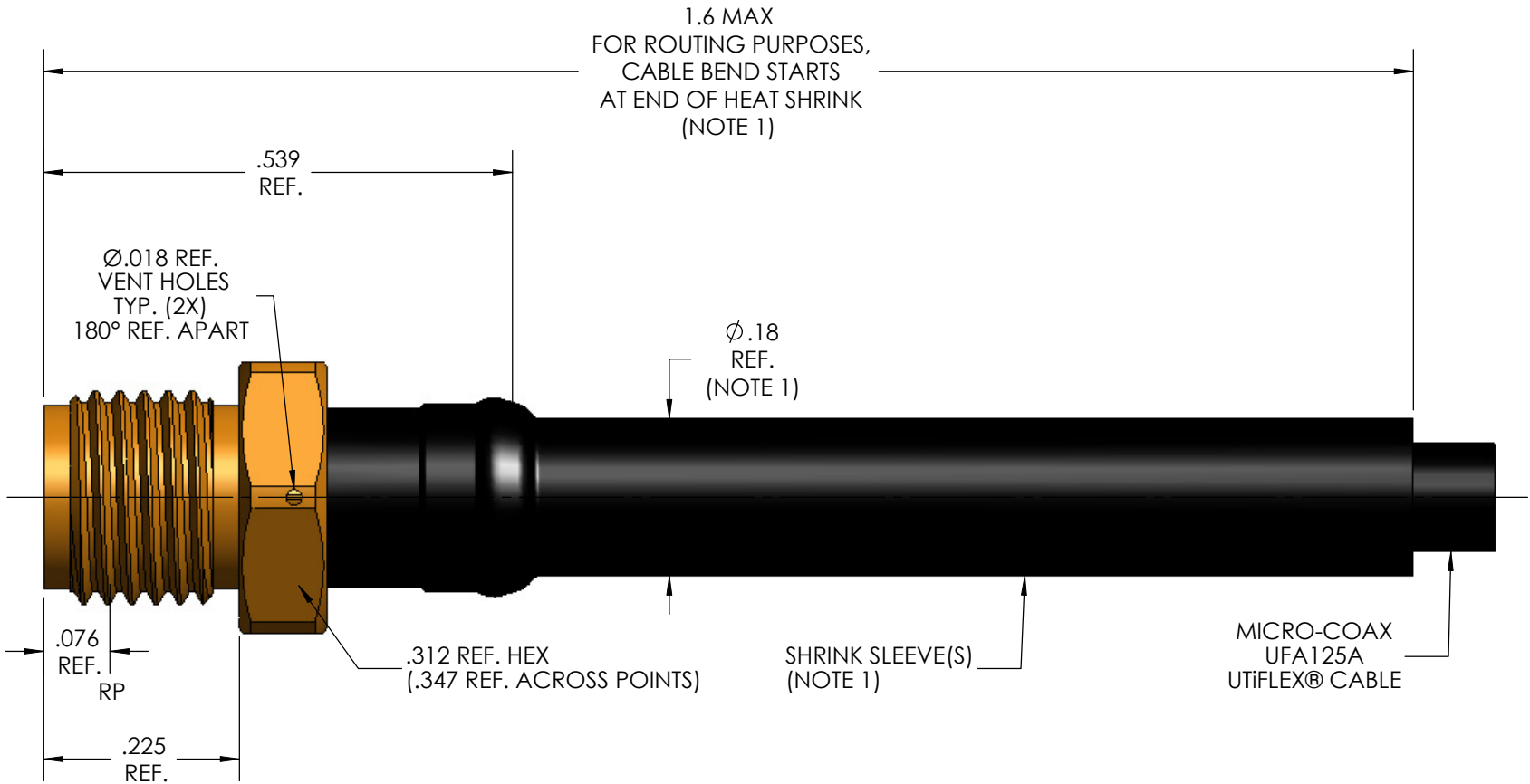
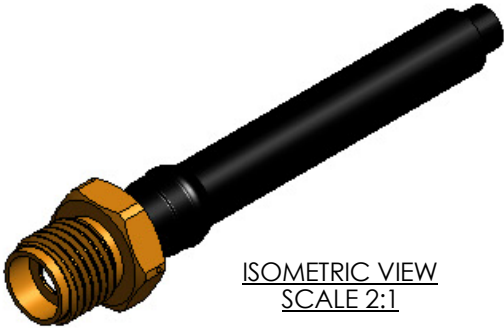


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/57 REF.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	2 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	1.90 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	30 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 GHz - 30 GHz	1.22:1 MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1050 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
18 GHz - 30 GHz	-70 dB MIN.
CORONA	250 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	700 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 (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
CONTACT, BODY & BUSHING	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204. OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC BEADS	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
APPLICATION	
CABLE(S)	UFA125A
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. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 904191-EM (EQUIPMENT MODEL).

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	3/11/2005	JMK	RS
B	ECO 115330	6/7/2011	MJM	RS
C	ECO 135334	6/19/2013	MJM	RS
C1	ECO 135510	10/24/2013	MJM	RS

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		DWN.	RS	11/3/04							
		CHKD.	CCF	6/20/13							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		SMA JACK, VENTED, UFA125A, SPACE GRADE									
.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	5:1	1 OF 1	SD904191	C1		
.XXXX	± .0010										
ANGLES	± 2°										