

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 323.2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	IEEE P287 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	1.5 IN-LBS MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	MASS = 6.88 GRAMS NOM.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 40 GHz	1.22:1 MAX.
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	900 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	240 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	600 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

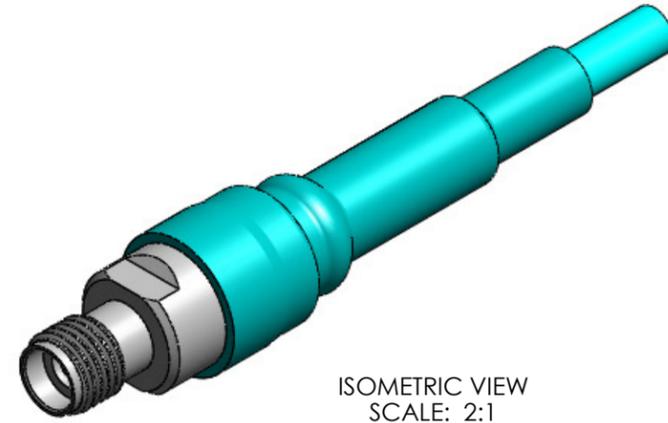
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55 °C TO 150 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH	
BODY, SLEEVE, CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
CONTACT RING	BRASS, UNS NO. C36000, ASTM B16, 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
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205

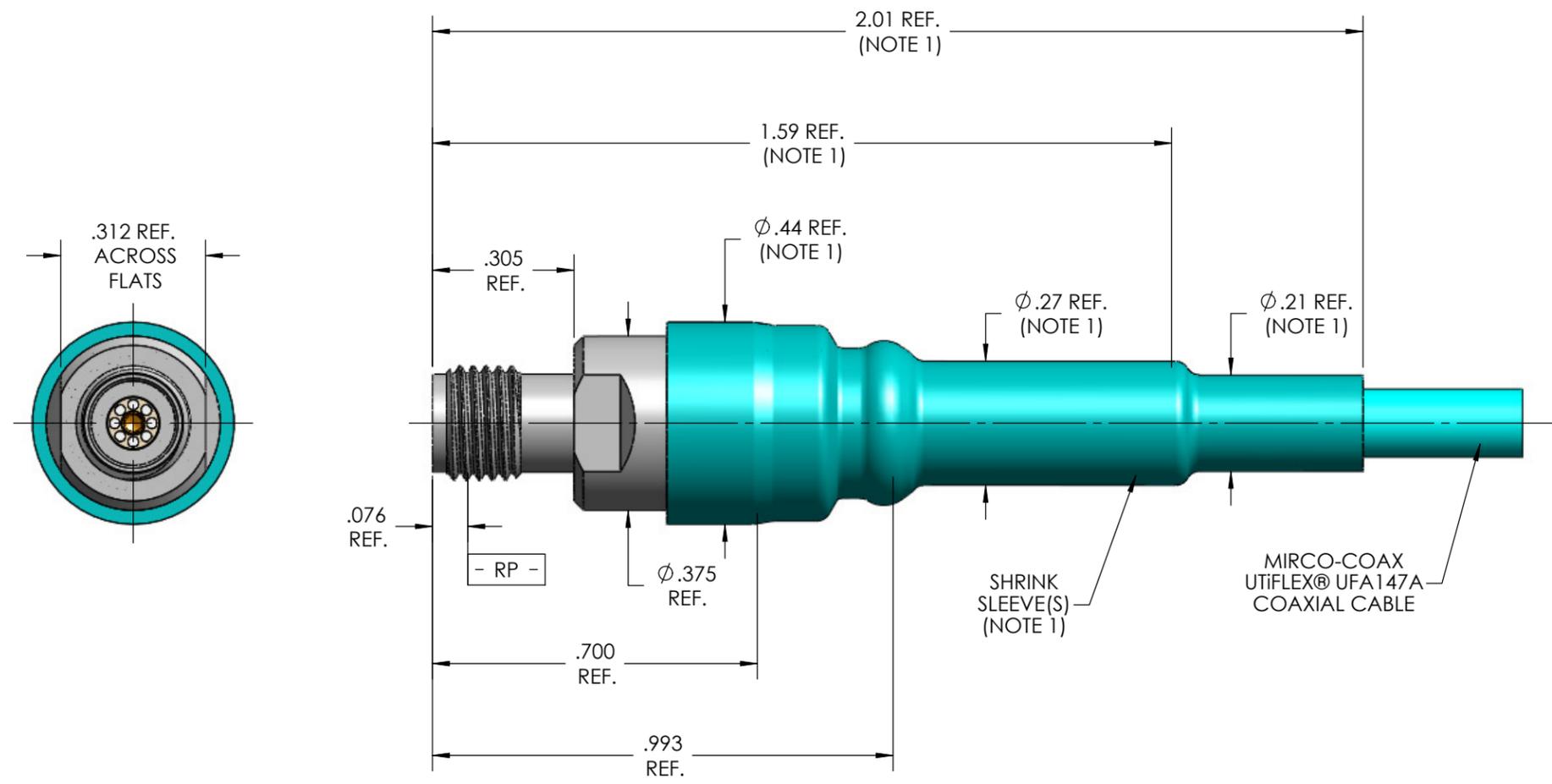
APPLICATION	
CABLE(S)	UFA147A SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - ECO 125303	6/8/2012	MJM	RS	CCF



ISOMETRIC VIEW
SCALE: 2:1



NOTE:

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

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	DWN.	PLM	04/27/10		
	CHKD.	MJR	04/27/10		
	APPVD.	MJR	04/27/10		
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE			
.XX	± .02	2.92mm (K) JACK, UFA147A CABLE			
.XXX	± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO.	DRAWING NO.
.XXXX	± .0010	64639	SD903625	SIZE	REV
ANGLES	±2°	B	3:1	1 OF 1	A