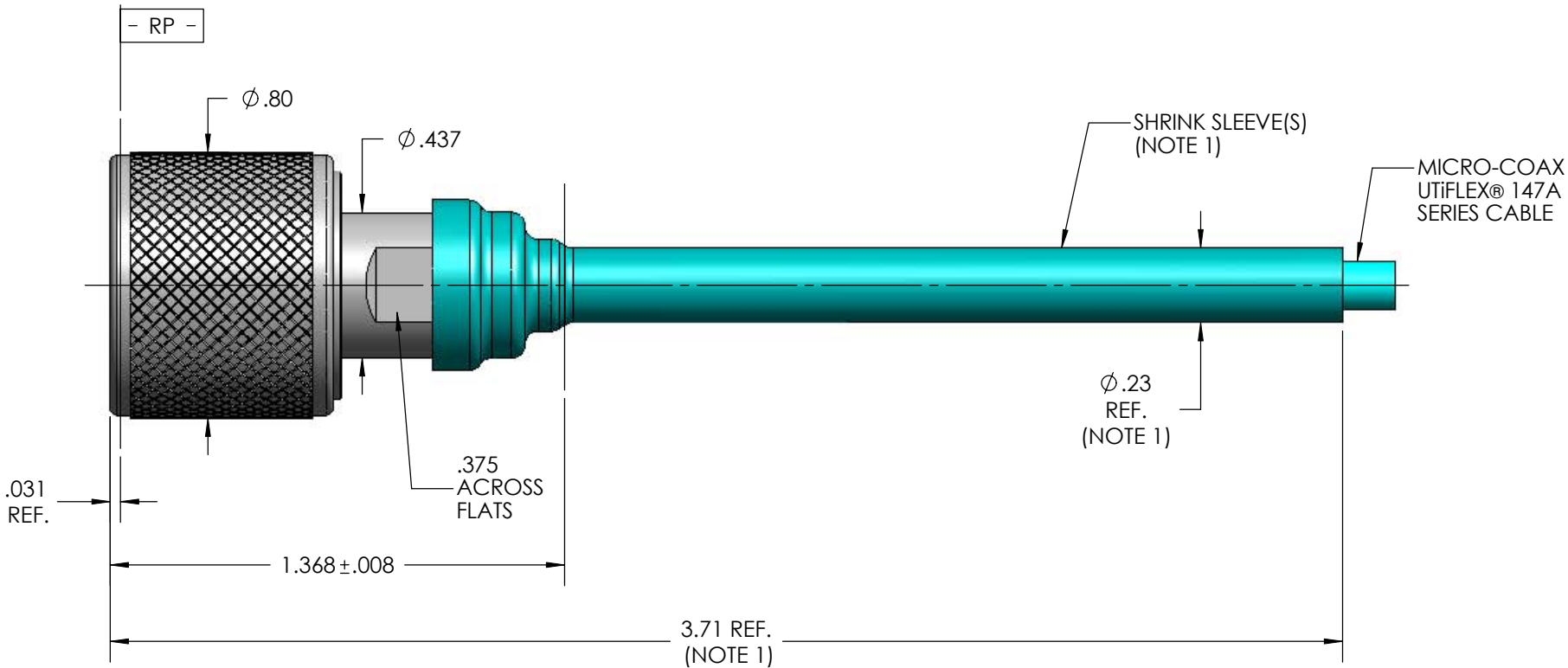
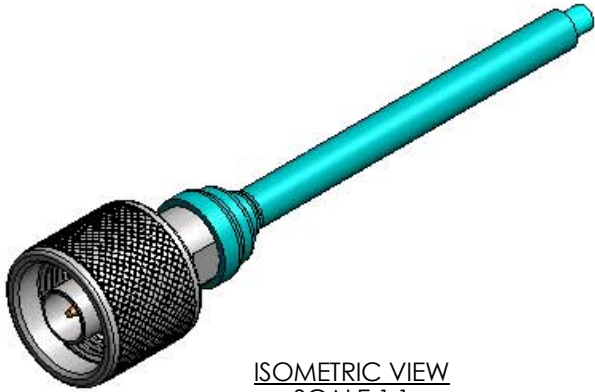


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 402.1
SLANT SHEET	MIL-PRF-39012/1 REF.
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	6 IN-LBS. MAX.
FORCE TO DISENGAGE	6 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	33.00 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1MAX.
INSERTION LOSS	0.045 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1200 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	310 Vrms MIN. @70,000 FEET
RF HIGH POTENTIAL	800 Vrms MIN.
CONTACT RESISTANCE (INNER)	1.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°C TO 150 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B
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	
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER QQ-N-290.
FORWARD BEAD, DIELECTRIC BEAD	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358
BODY, SLEEVE, CLAMP NUT & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER ZZ-R-765
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
APPLICATION	
CABLE(S)	147A SERIES
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.

INITIAL.	REV	DESCRIPTION	DATE	BY	APPVD	CHKD
	A	ECO 85490	9/3/2008	MJM	RS	NDS

SHRINK SLEEVE(S)
(NOTE 1)

MICRO-COAX
UTiFLEX® 147A
SERIES CABLE

Ø.23
REF.
(NOTE 1)

3.71 REF.
(NOTE 1)

SPECIFICATION DRAWING

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		DWN. MJM	9/3/08														
		CHKD. NDS	9/3/08														
		APPVD.															
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE N PLUG, PRECISION, KNURLED NUT, 147A SERIES															
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.															
.XXX	± .005																
.XXXX	± .0010																
ANGLES	± 2°																
		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV										
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