

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	1.16:1 MAX.
INSERTION LOSS	0.045 $\sqrt{F}$ (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%

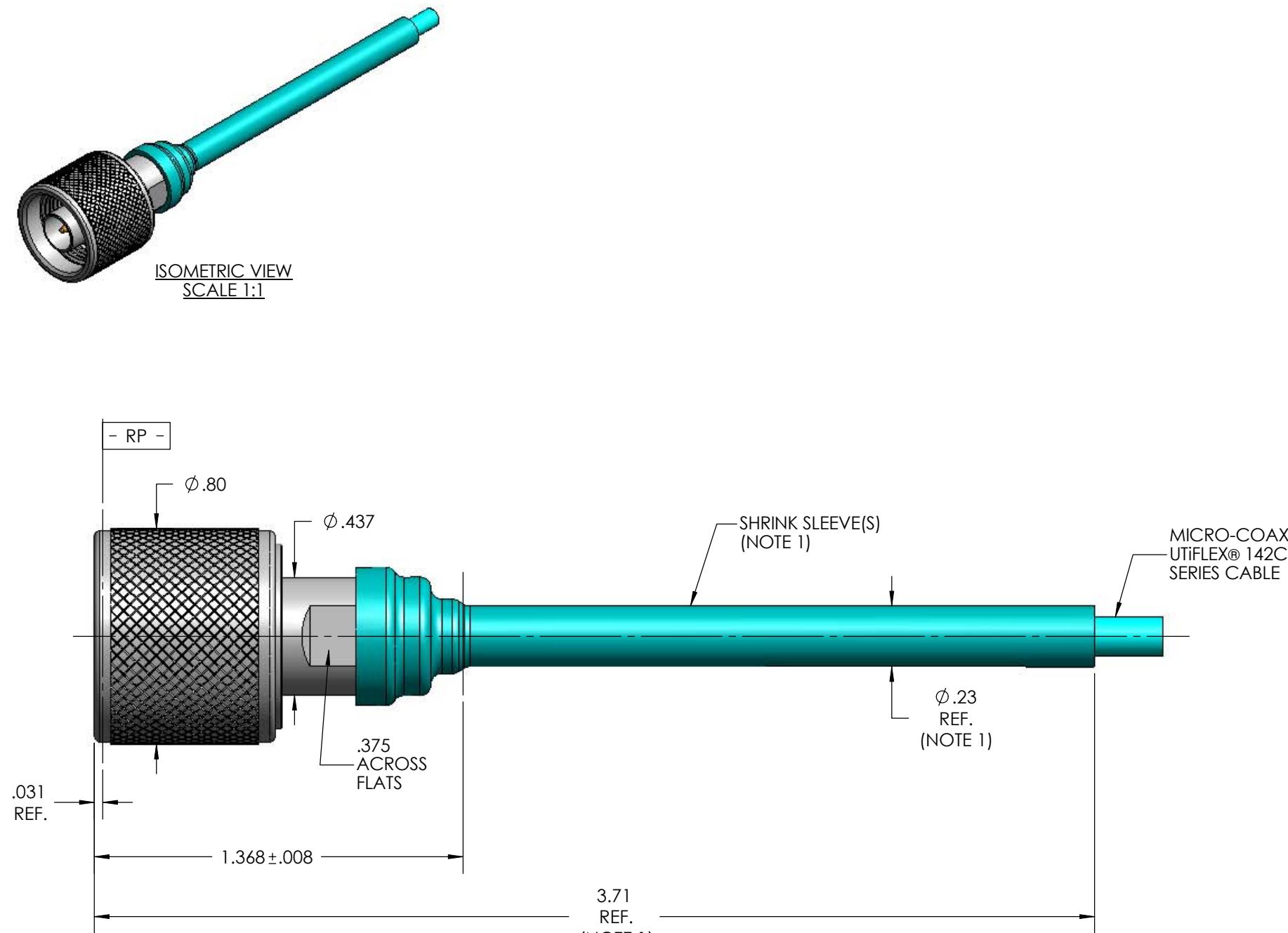
MATERIALS AND FINISH	
CONTACT, FLEA	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER QQ-N-290.
FORWARD BEAD, DIELECTRIC BEAD	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358
BODY, SLEEVE, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, 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)	142C SERIES
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	ECO 85490	9/2/2008	MJM	RS	NDS



#### NOTE:

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	DWN. MJM	9/2/08
	CHKD. NDS	9/3/08
	APPVD.	
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE	
.XX	± .02	N PLUG, PRECISION, KNULED NUT, 142C SERIES
XXX	± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.
XXXX	± .0010	SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.
ANGLES	± 2°	FSCM NO. 64639
		SIZE B
		SCALE 2:1
		SHEET NO. 1 OF 1
		DRAWING NO. SD904911
		REV A

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