

MECHANICAL CHARACTERISTICS	
INTERFACE	PER MICRO-COAX DRAWING A-18557
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	IEEE P287 REF.
RECOMMENDED MATING TORQUE	9.0 IN-LBS. NOM.
COUPLING NUT PROOF TORQUE	15.0 IN-LBS. MAX.
COUPLING NUT RETENTION	60.0 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MAX.
CABLE RETENTION	15 LBS. MIN.
MASS	7.02 GRAMS NOM.

#### ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 GHz - 40 GHz	1.22:1 MAX
INSERTION LOSS	0.03 $\sqrt{f}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	675 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	180 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	450 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 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

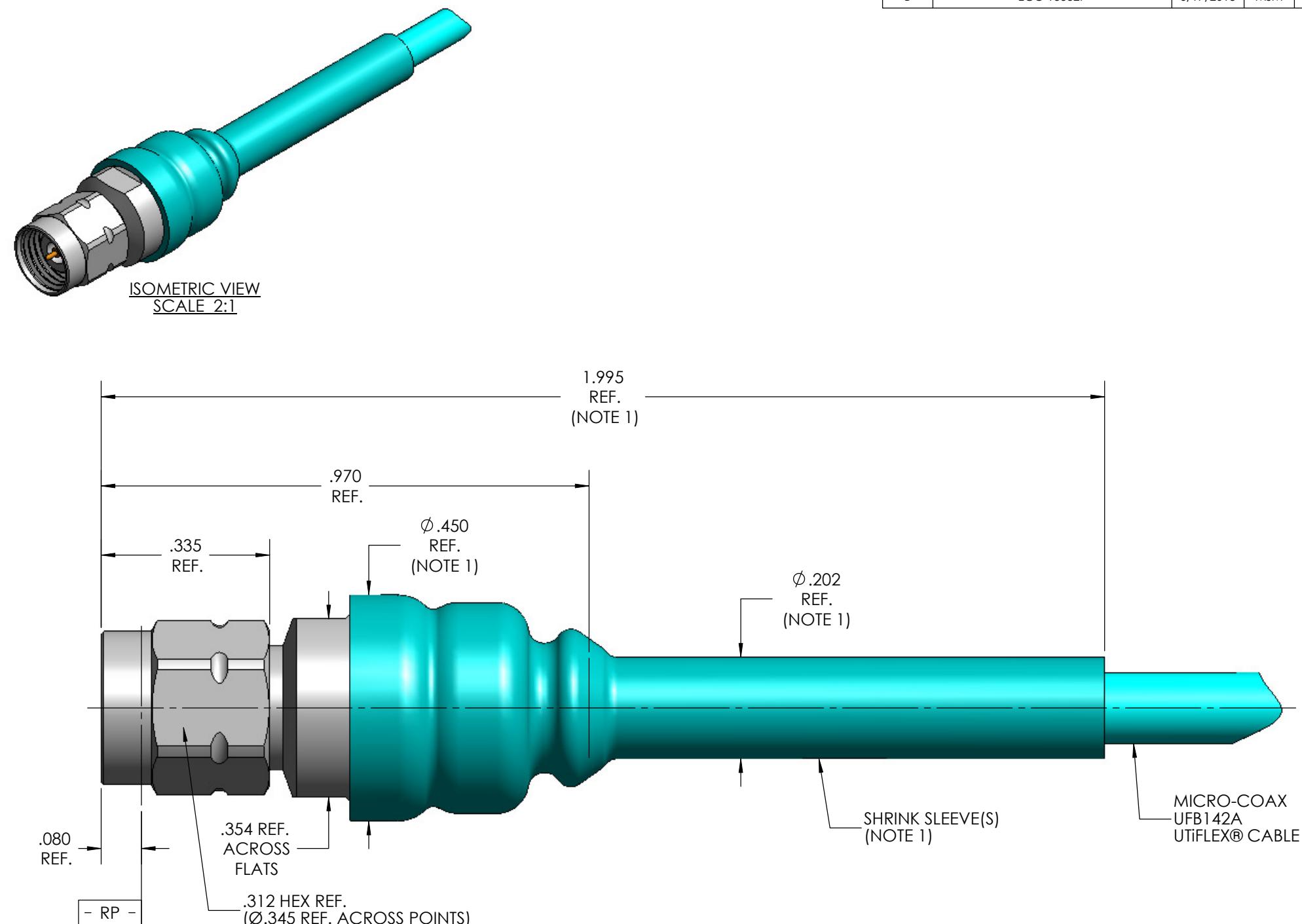
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290.
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
BODY, FRONT BODY, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
GASKET	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
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197

#### APPLICATION

CABLE(S)	UFB142A CABLE
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	ECO 105601	8/2/2010	CCF	RS	CCF
B	ECO 135327	6/17/2013	MJM	RS	CCF



#### SPECIFICATION DRAWING

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	DWN. MJM	10/31/08	
	CHKD. MJM	6/17/13	
	APPVD.		
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE	2.4mm PLUG, UFB142A CABLE
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.	FSCM NO.
XXX	± .005	SCREW THDS. TO BE IN ACCORD	SIZE
XXXX	± .0010	WITH ANSI B1.1-1989.	SCALE
ANGLES	± 2°		SHEET NO.
			DRAWING NO.
			SD903696
			REV B

#### NOTE:

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