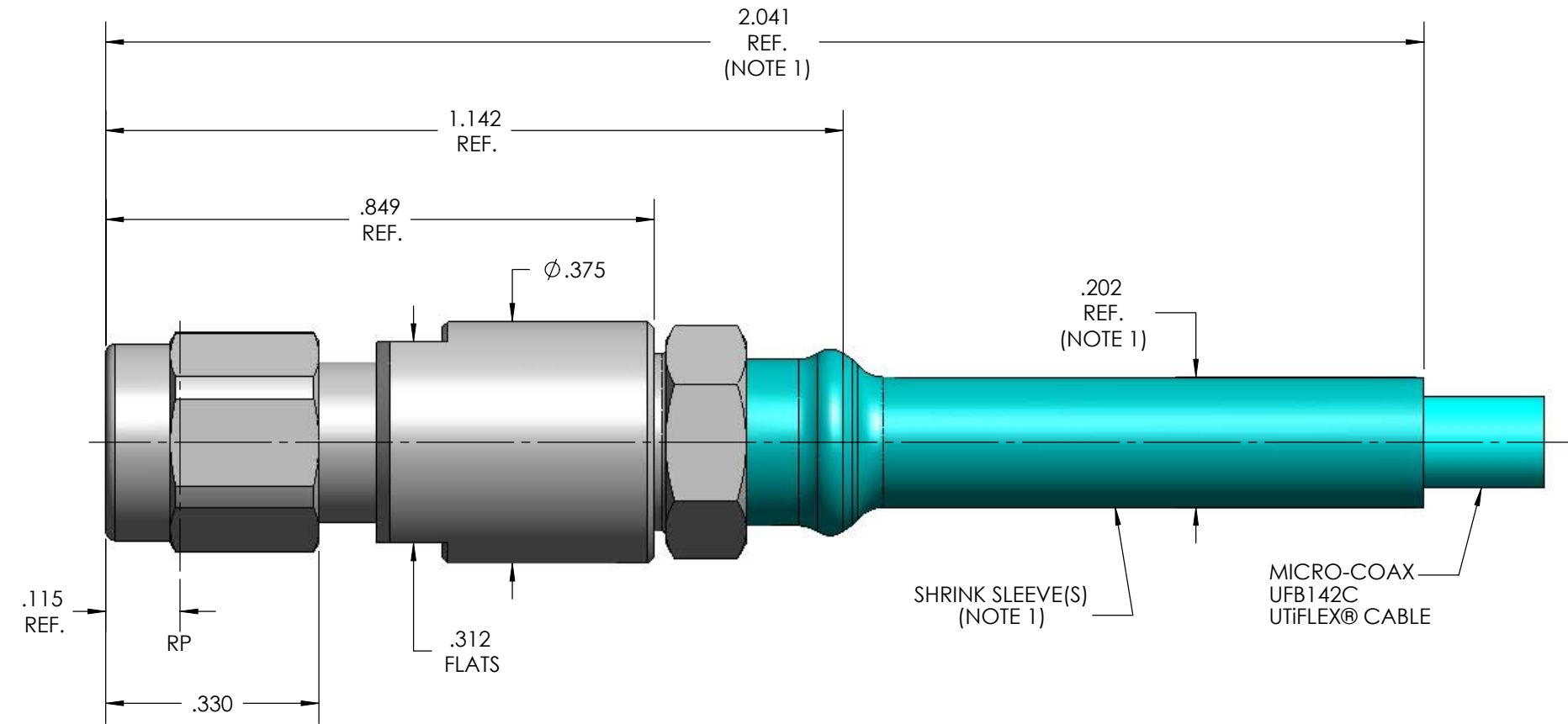
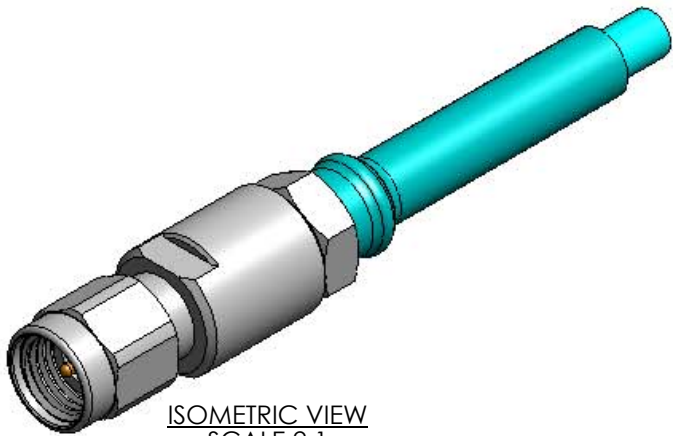


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 323.1
SLANT SHEET	IEEE P287/D3
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	30 LBS MIN
MASS	8.94 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	26.5 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 26.5 GHz	1.20:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1200 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 26.5 GHz	-90 dB MIN.
CORONA	300 Vrms MIN. @70,000 FEET
RF HIGH POTENTIAL	800 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°C TO 155°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	
FRONT BODY, COUPLING NUT, SLEEVE, & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
CONTACT, FLEA	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
DIELECTRIC BEAD, DIELECTRIC STOP	POLYETHERMIDE THERMOPLASTIC, (ULTEM 1000), PER ASTM-D-5205
CONTACT RING	BRASS PER ASTM B16
APPLICATION	
CABLE(S)	UFB142C
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE - RDCR 87022	7/29/2008	MJM	NDS	NDS



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		CHKD.	NDS	7/29/08							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		2.92mm (K) PLUG, UFB142C							
.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	4:1	1 OF 1	SD904890		1	
.XXXX	± .0010										
ANGLES	± 2°										

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