

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-1
SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	3 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 OZ. MIN.
CABLE RETENTION	CABLE DEPENDENT
MASS	6.73 GRAMS NOM.

#### ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	32 GHz
VSWR DC - 18 GHz	1.12:1 MAX.
18 - 26.5 GHz	1.16:1 MAX.
26.5 - 32 GHz	1.2:1 MAX.
INSERTION LOSS	0.03 VF (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz	-90 dB MIN.
3 - 26.5 GHz	-125 dB MIN.
CORONA	240 Vrms MIN. @70,000 FEET
RF HIGH POTENTIAL	325 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

#### ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE	-65°C TO 165°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
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

#### MATERIALS AND FINISH

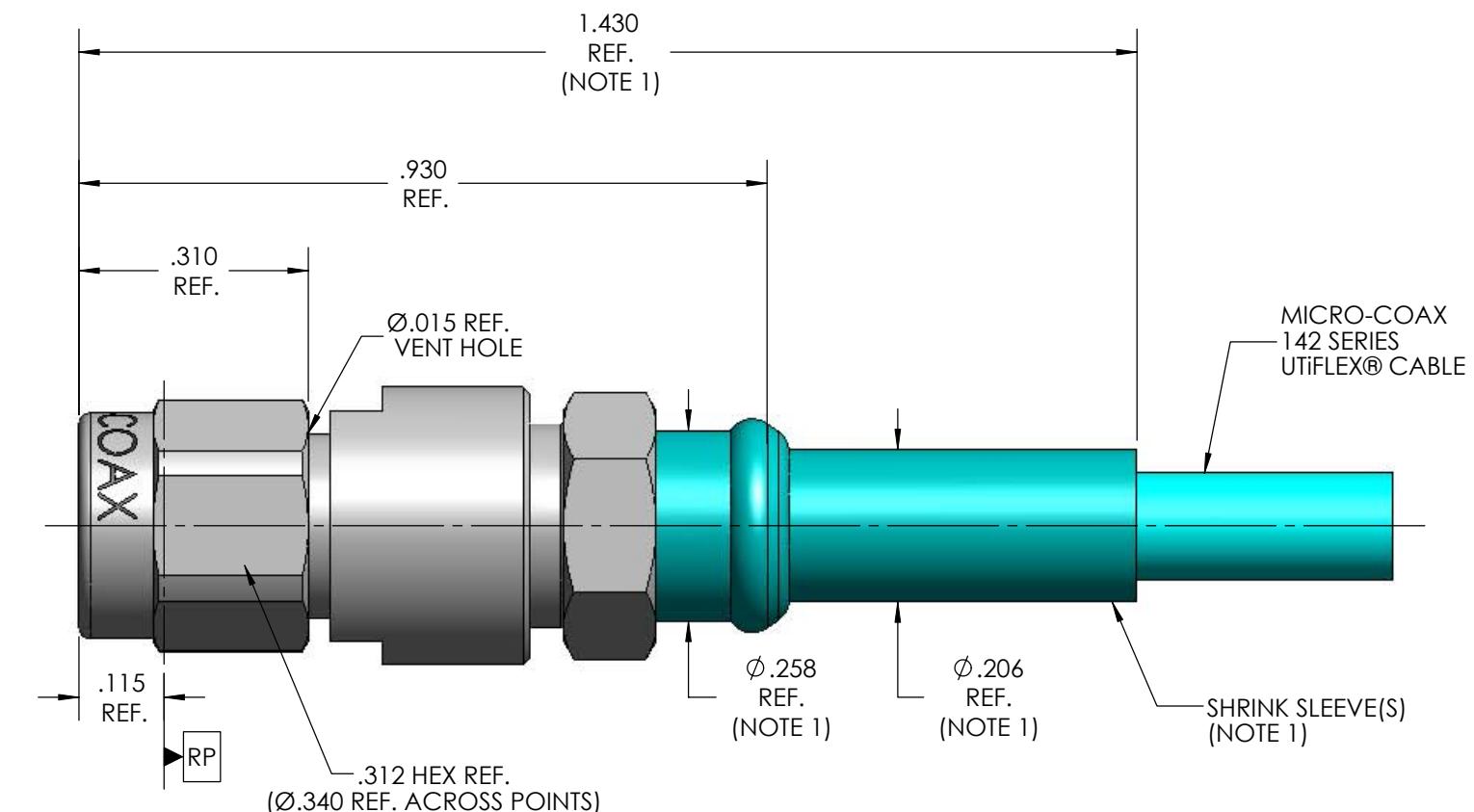
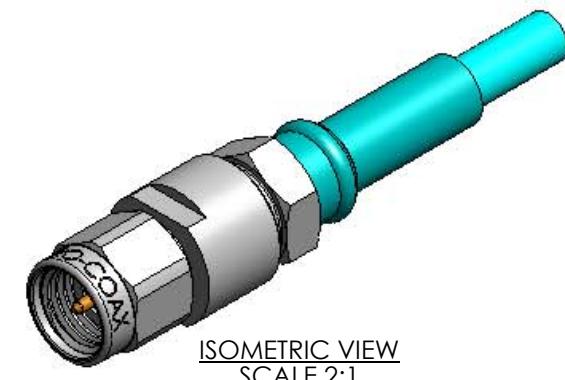
BODY, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATE PER ASTM B488, TYPE 3, CODE C, CLASS 1.25 OVER NICKEL PLATE IN ACCORDANCE WITH SAE-AMS-QQ-N-290.
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC PER ASTM D-5205
CONTACT RING	BRASS, PER ASTM-B-16

#### APPLICATION

CABLE(S)	142 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE - ESR 814423	8/26/2008	MJM	JM	JM
2	ECO 95800	1/27/2010	MJM	RS	RS



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	DWN. MJM	8/26/08	
	CHKD. JM	8/26/08	
TOLERANCES UNLESS OTHERWISE SPECIFIED	APPVD.		
.XX	± .02		
XXX	± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.	FSCM NO.
XXXX	± .0010	SCREW THDS. TO BE IN ACCORD	SIZE
ANGLES	± 2°	WITH ANSI B1.1-1989.	SCALE
			SHEET NO.
			DRAWING NO.
			REV
			64639
			B
			4:1
			1 OF 1
			SD904921
			2

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