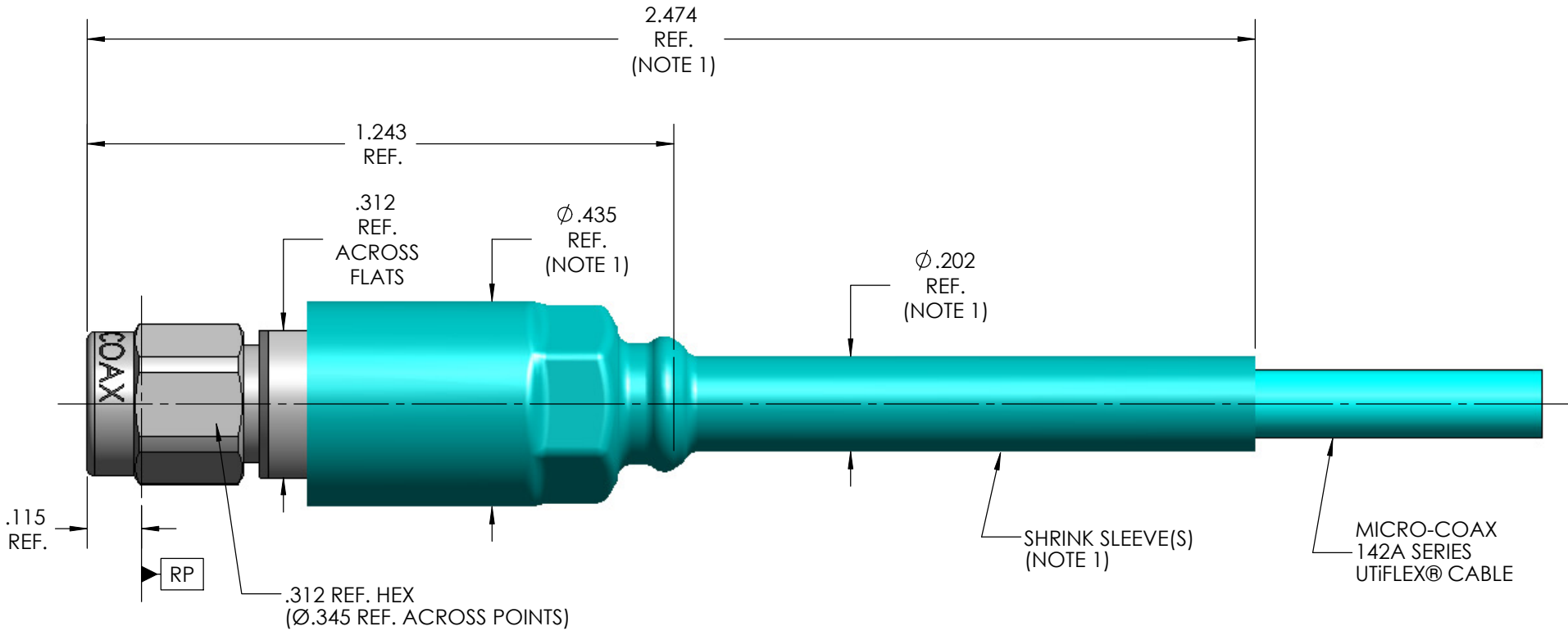
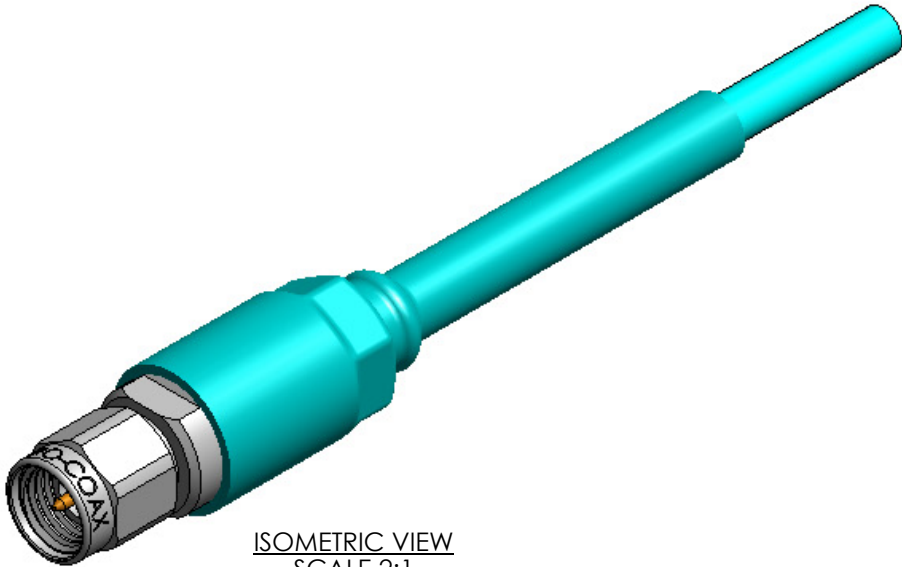


MECHANICAL CHARACTERISTICS	
INTERFACE	IEC 169-23 (WITH EXCEPTIONS - SEE NOTES 2, 3 & 4)
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	IEEE P287 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	10 LBS. MIN.
MASS	10.48 GRAMS
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	26.5 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 GHz - 26.5 GHz	1.20:1 MAX
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	900 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	230 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	600 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-62°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D 20 Gs
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I 10 Gs
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION B (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, 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)	142A SERIES
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



NOTE(S):

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. CONTACT DIMENSION PER IEC 169-23, Ø.0362 - .0368 IS Ø.0358 - .0368.
3. THE BODY AND CONTACT DIMENSIONS PER IEC169-23, Ø.1375 - .1381 AND Ø.0596 - .0600, ARE DIMENSIONED AS REQUIRED TO MEET THE PERFORMANCE SPECIFICATIONS HEREIN.
4. THE 16 MICROINCH SURFACE FINISH PER IEC 169-23 ON THE CONTACT Ø.0596 - .0600 IS 32 MICROINCHES MAX.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - ECO 125303	6/8/2012	MJM	RS	CCF

SPECIFICATION DRAWING

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	DWN.	MJM	11/17/08							
	CHKD.	CCF	5/9/12							
	APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE							
.XX ± .02			3.5mm PLUG, 142A, HIGH TEMP							
.XXX ± .005			ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO. 64639	SIZE B	SCALE 3:1	SHEET NO. 1 OF 1	DRAWING NO. SD903521	REV A
.XXXX ± .0010										
ANGLES ± 2°										