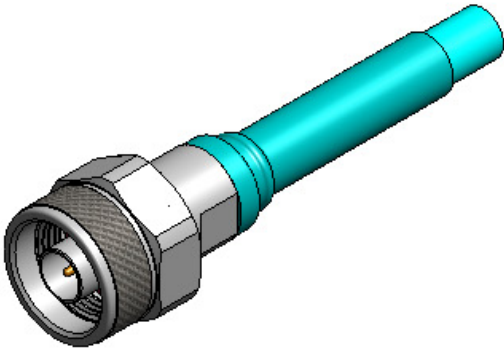


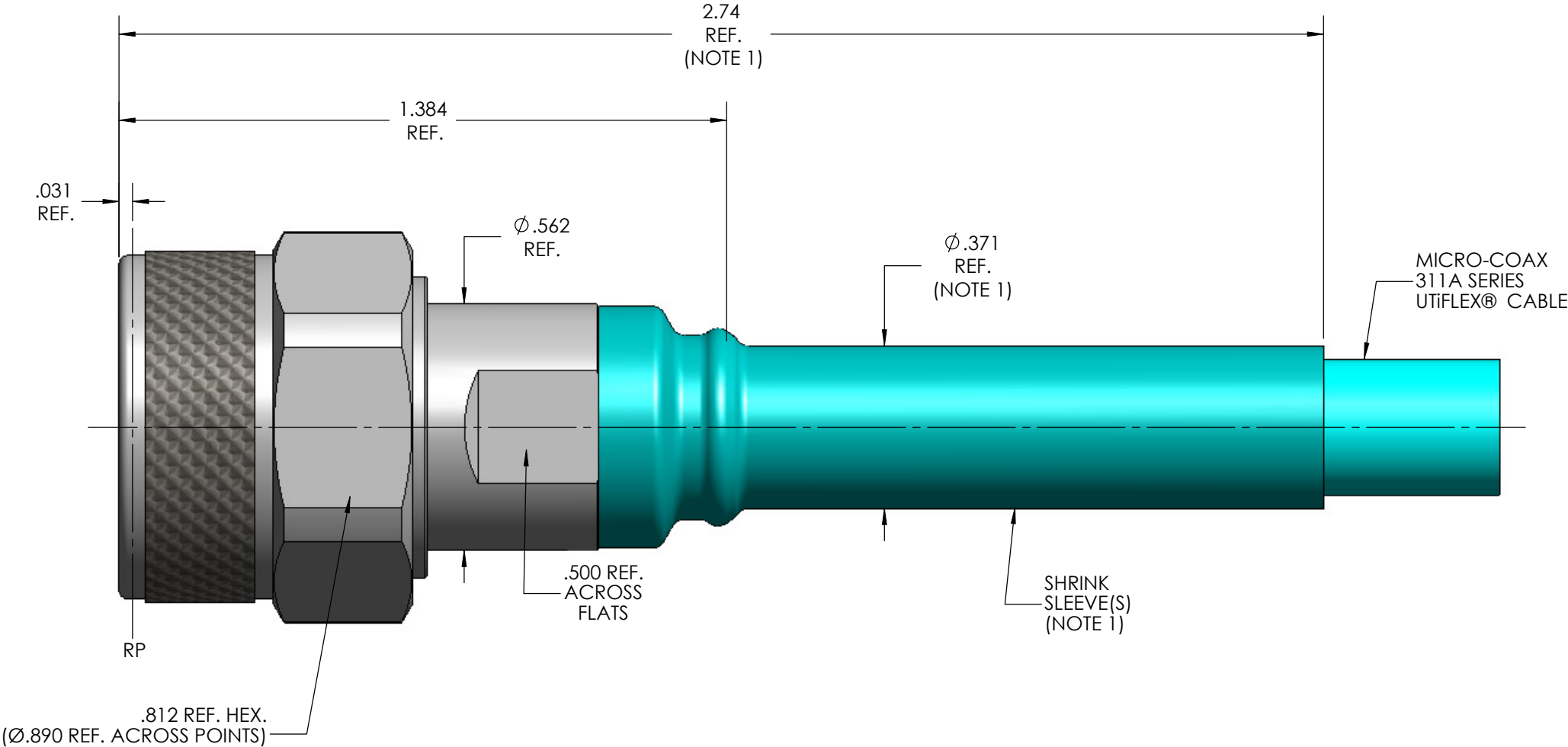
MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 304-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/1 REF.
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	6 IN-LBS. MAX.
FORCE TO DISENGAGE	6 IN-LBS. MAX.
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	37.98 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	12.4 GHz
VSWR DC - 12.4 GHz	1.16:1MAX.
INSERTION LOSS	0.045 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	2400 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 12.4 GHz	-90 dB MIN.
CORONA	600 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1500 Vrms MIN.
CONTACT RESISTANCE (INNER)	1.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.
MAX POWER	350 WATTS @12.4 GHz (NEEDS VERIFICATION)
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-62°C TO 165°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	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
BODY, 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 AMS-QQ-N-290
INSULATOR & DIELECTRIC STOP	TFE FLUOROCARBON, PER ASTM-D-1710
APPLICATION	
CABLE(S)	311A SERIES
INSTALLATION	PER CONFIGURATOR

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REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE_RDCR_67022	7/6/2006	JMK	RS
A1	ECO 65239	8/3/2006	JMK	RS
B	ECO 125536	10/4/2012	MJM	RS



ISOMETRIC VIEW
SCALE 1:1



SPECIFICATION DRAWING

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		DWN.	JMK	2/8/06							
		CHKD.	CCF	10/11/12							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		N PLUG, HIGH POWER, 311A CABLE							
.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	3:1	1 OF 1	SD904504		B	
.XXXX	± .0010										
ANGLES	± 2°										

NOTE:

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