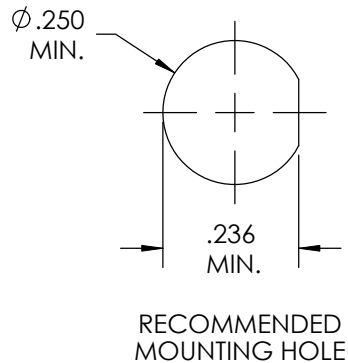
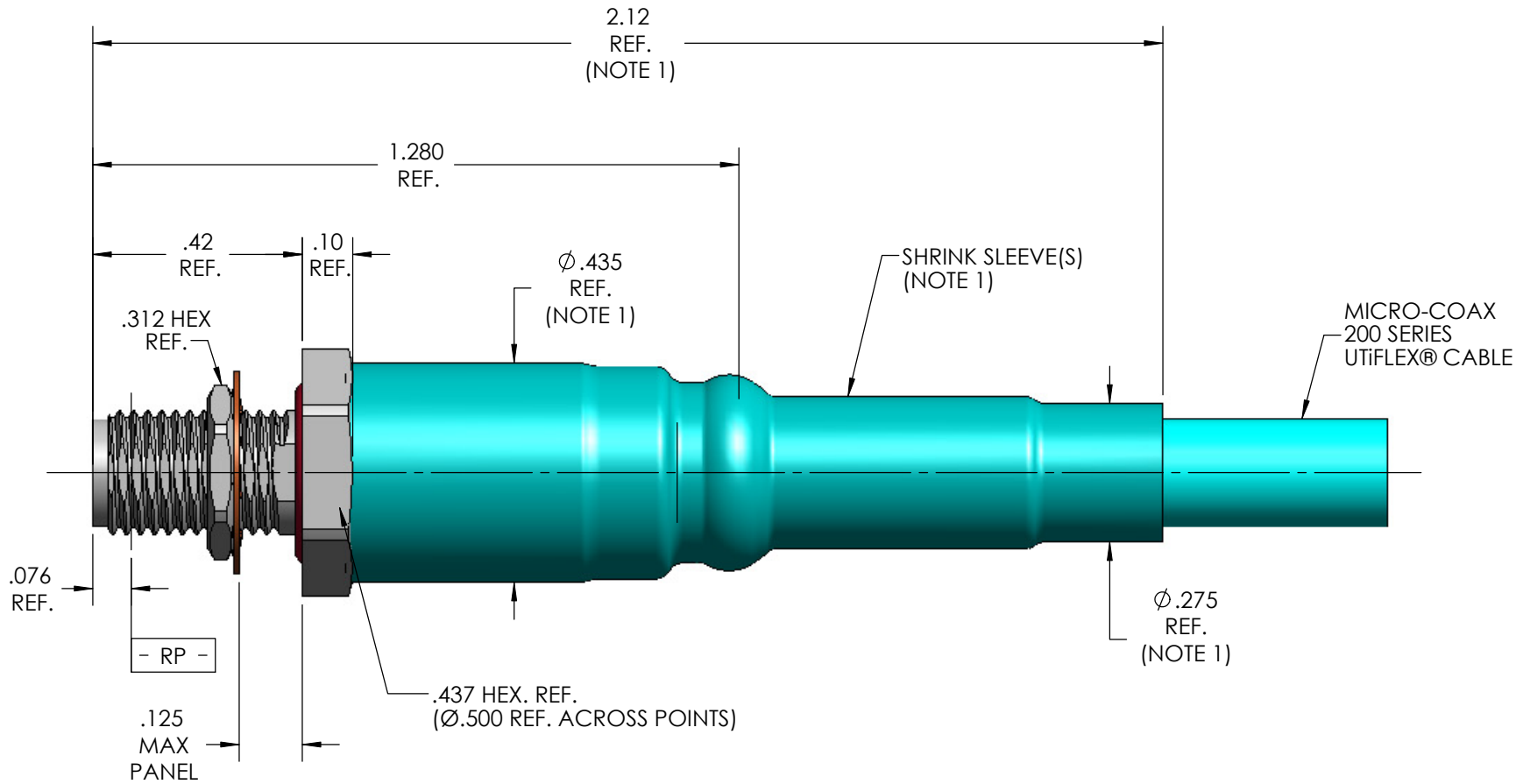


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/59 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	2 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	10 LBS MIN
MASS	9.22 NOM.
MASS WITHOUT NUT, LOCKWASHER, & GASKET	8.88 NOM.
RECOMMENDED JAM NUT TORQUE	12-15 IN-LBS
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.09:1 MAX.
12.4 GHz - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1100 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	280 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	725 Vrms MIN.
CONTACT RESISTANCE (INNER)	2.0 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
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION B (NO VIBRATION)
MATERIALS AND FINISH	
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
BODY & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
LOCKNUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
LOCKWASHER	TIN BRASS (UNS C42500) PER ASTM-B-591 OR PHOSPHOR BRONZE (C5191R-H) PER JIS H3110, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
INSULATOR & DIELECTRIC STOP	TFE FLUOROCARBON PER ASTM-D-1710
GASKET	SILICONE RUBBER PER ZZ-R-765
APPLICATION	
CABLE(S)	200 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - ECO 106088	11/30/2010	CCF	RS	MJM
B	ECO 135231	4/25/2013	MJM	RS	CCF



NOTE:

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

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	DWN.	RDM	7/15/03							
	CHKD.	MJR	3/3/10							
	APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE							
			SMA BULKHEAD JACK, 200 SERIES 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	SD903065	B
.XXXX	± .0010									
ANGLES	±2°									