

**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	20 LBS MIN
MASS	16.85 GRAMS NOM
RECOMMENDED JAM NUT TORQUE	12-15 IN-LBS.

**ELECTRICAL CHARACTERISTICS**

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1250 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	320 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	825 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 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%

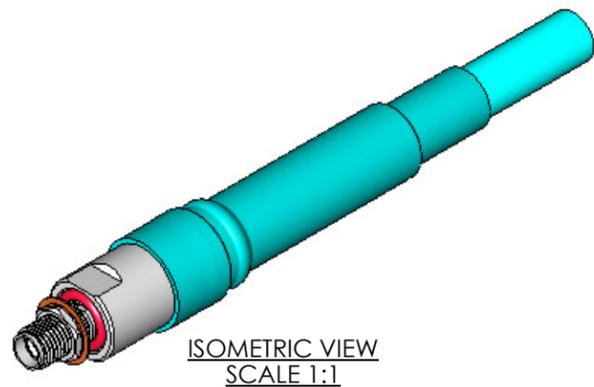
**MATERIALS AND FINISH**

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, OVERNICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD(S)	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
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	TFE FLUOROCARBON PER ASTM-D-1710
GASKET	SILICONE RUBBER PER ZZ-R-765

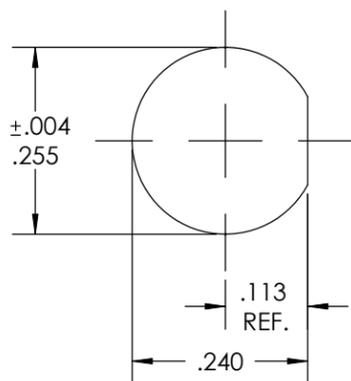
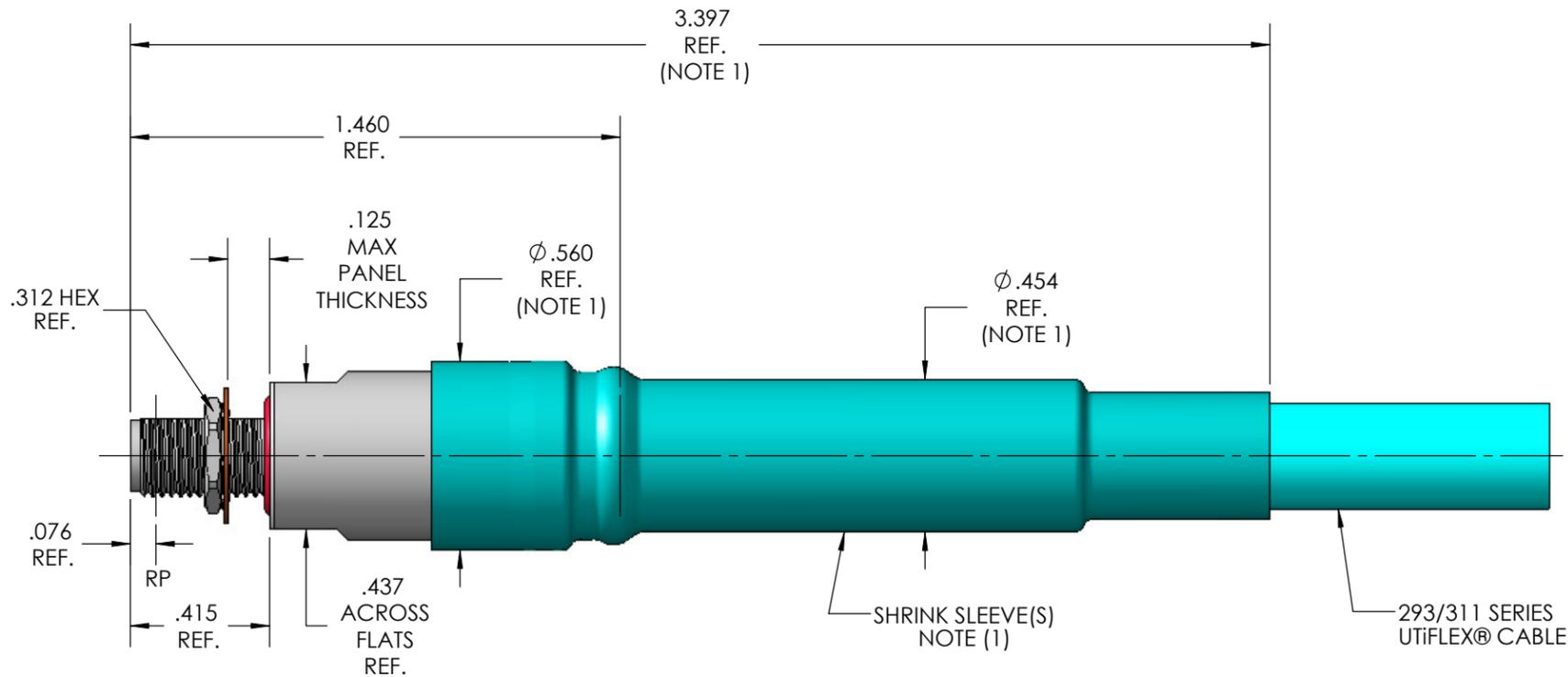
**APPLICATION**

CABLE(S)	293/311 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV.	DESCRIPTION	DATE	BY	APPVD
A	ECO 75655	11/8/2007	MJM	RS
B	ECO 105900	10/4/2010	CCF	RS
C	ECO 135231	4/25/2013	MJM	RS



**RECOMMENDED MOUNTING HOLE**

NOTE:

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

**SPECIFICATION DRAWING**

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	DWN. MJM	11/1/07					
	CHKD. CCF	4/29/13					
	APPVD.						
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE					SMA BULK HEAD JACK, 293/311 SERIES CABLE	
.XX $\pm$ .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 $\pm$ .005							
.XXXX $\pm$ .0010							
ANGLES $\pm$ 2°							
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