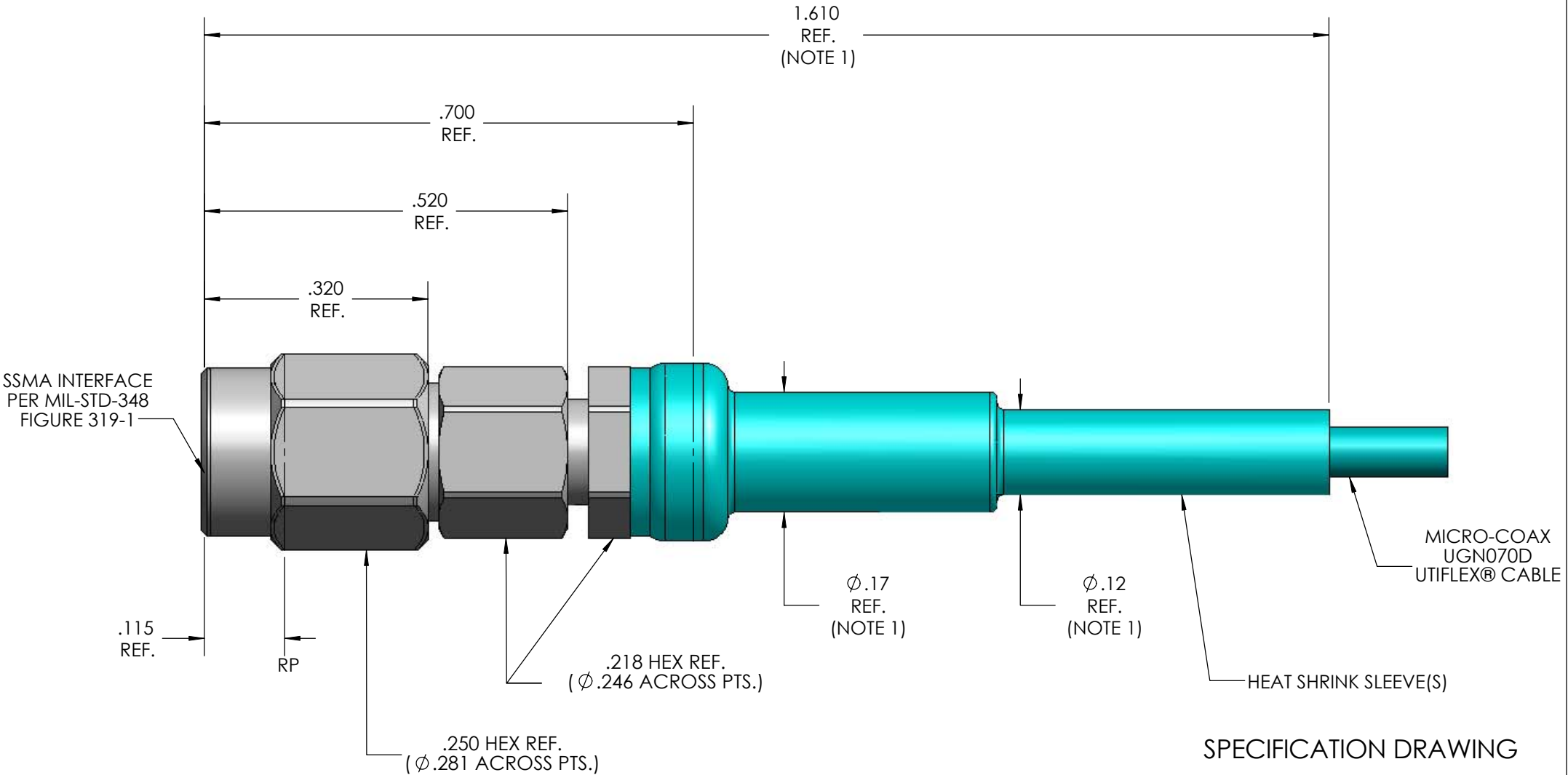
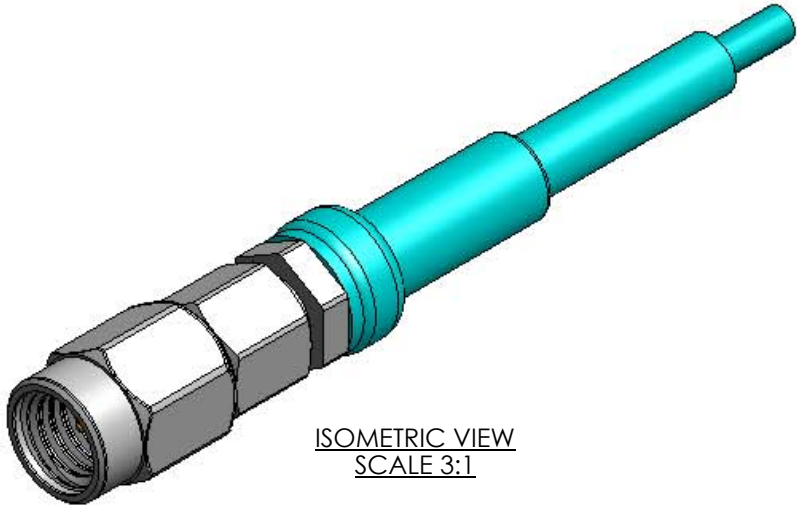


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 319-1
SLANT SHEET	MIL-PRF-39012/139A REF.
RECOMMENDED MATING TORQUE	2 IN-LBS. NOM.
COUPLING PROOF TORQUE	7 IN-LBS NOM.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MIN.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	4 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	10 LBS. MIN.
MASS	2.63 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 40GHz	1.25:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 40 GHz	-65 dB MIN.
CORONA	130 Vrms MIN.
RF HIGH POTENTIAL	325 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°C TO 150°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
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
COUPLING NUT	STEEL, CORROSION RESISTANT, COND. A, NON-MAGNETIC, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
MAIN BODY	STEEL, CORROSION RESISTANT, COND. A, NON-MAGNETIC, ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204 OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER ZZ-R-765
CONTACT	BERYLLIUM COPPER, ASTM-B-196GOLD PLATED PER MIL-DTL-45204 OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	POLYETHERMIDE THERMOPLASTIC, (ULTEM 1000), PE10113 PER ASTM-D-5205-91
DIELECTRIC INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	UGN 070D
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	INITIAL RELEASE	6/25/2008	TMK	RS	MJR



NOTE:

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

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		CHKD.	TMK	6/25/08							
		APPVD.	MJR	6/25/08							
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		SSMA PLUG, UGN070D							
.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		
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.XXXX	± .0010										
ANGLES	± 2°										