MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 319-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/139 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	1.57 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	125 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	325 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 B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

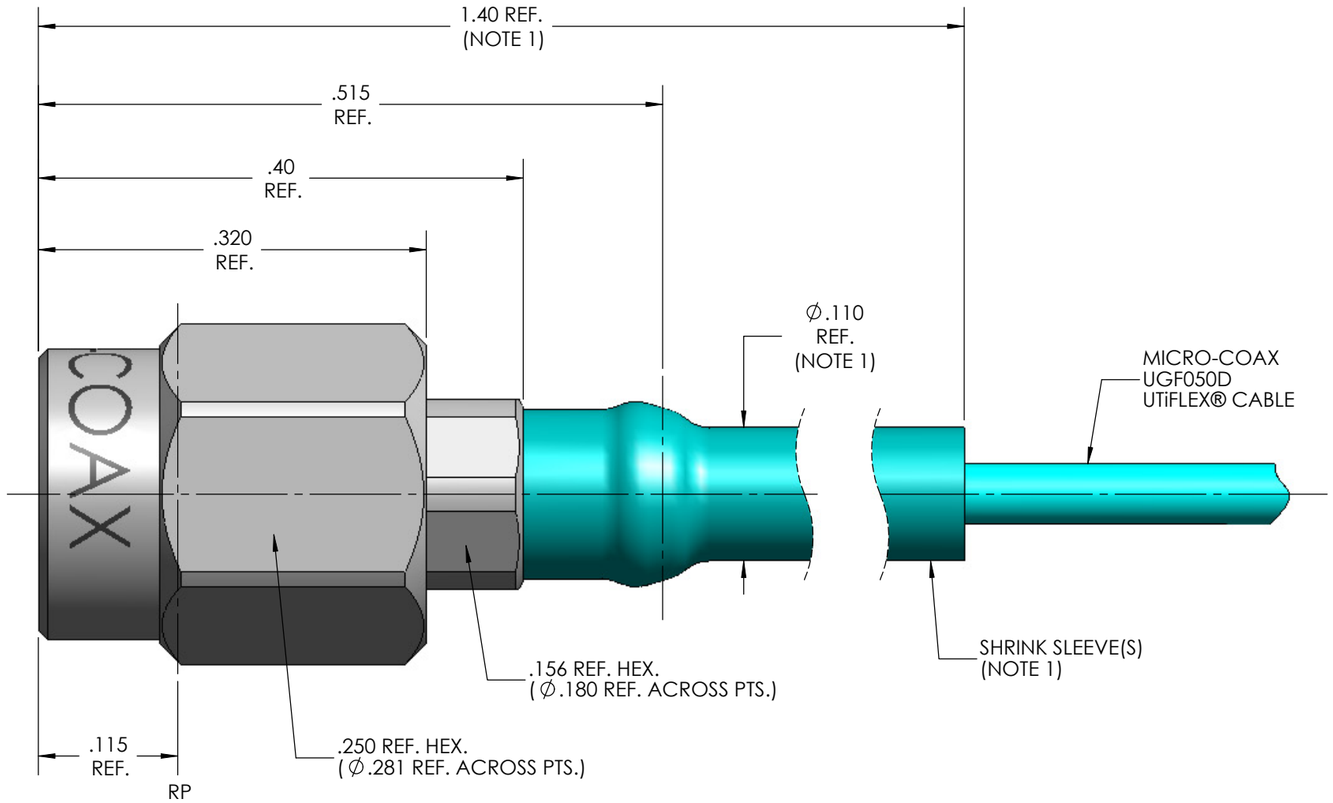
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
MAIN BODY	STEEL, CORROSION RESISTANT PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER ZZ-R-765
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
REAR INSULATOR	POLYPHENYLENE SULFIDE, (PPS) PER ASTM-D-6358

APPLICATION

CABLE(S)	UGF050D
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	08/03/05	SRS	RS
B	ECO 135241	5/1/2013	MJM	RS



NOTE:

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

SPECIFICATION DRAWING

TOLERANCES UNLESS OTHEWISE SPECIFIED	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	± 2°

	INITIALS	DATE
DWN.	LXT	01/27/04
CHKD.	MJM	5/2/13
APPVD.		

MICRO-COAX®
Leading the way in transmission line solutions.

TITLE: SSMA PLUG, UGF050D CABLE

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
64639	B	2:1	1 OF 1	SD904192	B