

MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 310-1
SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
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)	3 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	60 LBS. MIN.
MASS	MASS = 2.64 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	34 GHz
VSWR DC - 26.5 GHz	1.16:1 MAX.
26.5 - 34 GHz	1.21:1 MAX.
INSERTION LOSS	0.03 \sqrt{f} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1075 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	270 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	700 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 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 F
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

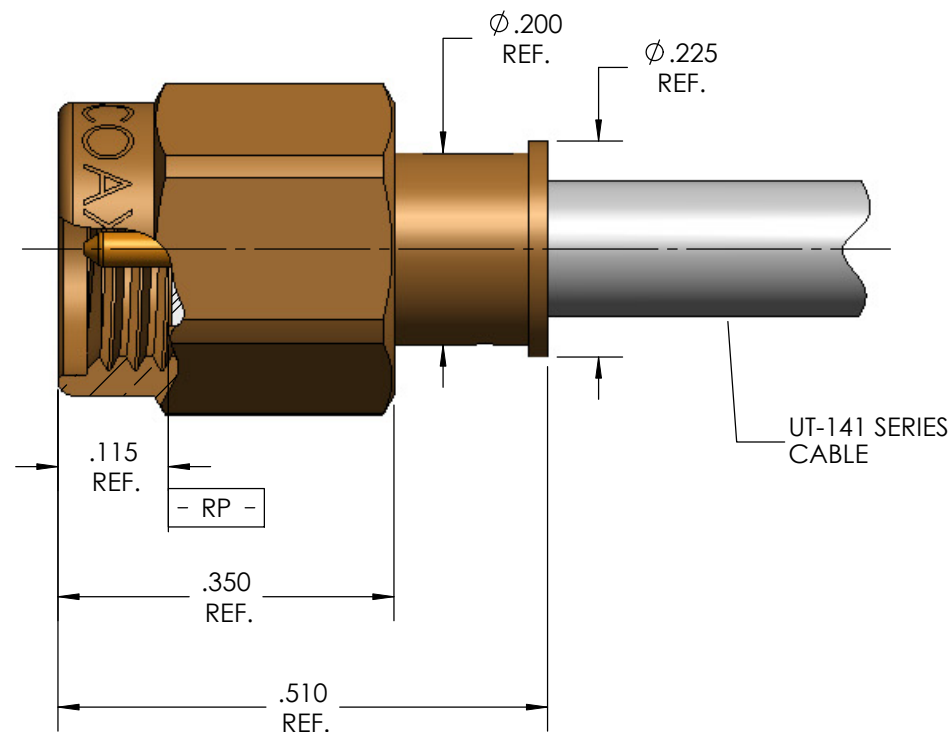
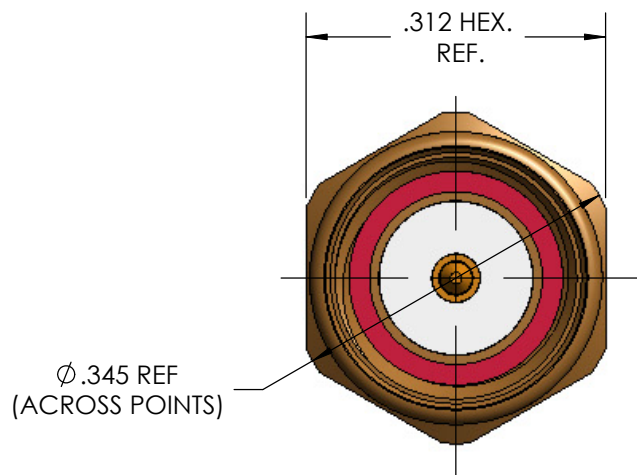
BODY	BRASS, PER ASTM-B-16 GOLD PLATE PER MIL-DTL-45204, OVER TRI-M3™ PLATE
CONTACT	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER TRI-M3™ PLATE
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
COUPLING NUT	BRASS, PER ASTM-B-16, TRI-M3™ PLATED OR EQUIVALENT
GASKET	SILICONE RUBBER PER ZZ-R-765

APPLICATION

CABLE(S)	UT-141
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE, ECO 125270	5/24/2012	MJM	RS	CF



NOTE:

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

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		DWN.	PLM	08/13/08							
		CHKD.	CCF	5/24/12							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		SMA PLUG, SOLDER-ON UT-141									
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO. 64639	SIZE B	SCALE 5:1	SHEET NO. 1 OF 1	DRAWING NO. SD903115	REV A		
.XXX	± .005										
.XXXX	± .0010										
ANGLES	± 2°										