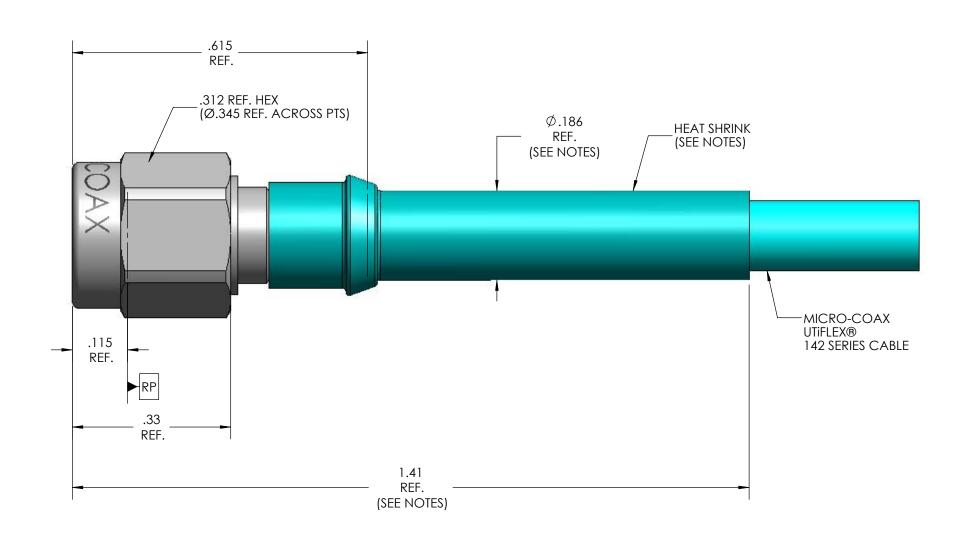
WECHANICA	L CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. 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)	3 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	10 LBS. MIN.
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 GHz - 34 GHz	1.21:1 MAX.
INSERTION LOSS	
DIELECTRIC WITHSTANDING VOLTAGE	0.03 VF (GHz) dB MAX.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC	-90 dB MIN.
CORONA	260 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	650 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENT	AL CHARACTERISTICS
OPERATING TEMPERATURE	-65°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
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
MATERIA	ALS AND FINISH
BODY	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATE PER ASTM B488, TYPE 3, CODE C, CLASS 1.25 OVER NICKEL PLATE IN ACCORDANCE WITH SAE-AMS-QQ-N-290.
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC STOP	POLYETHERMIDE THERMOPLASTIC, (ULTEM 1000), PER ASTM-D-5205
GASKET	FLUOROCARBON ELASTOMER (VITON) PER ASTM -D-1418. 55-65 DUROMETER.
	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
COUPLING NUT	
	PLICATION
	PLICATION  142 SERIES CABLE

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REV.	DESCRIPTION	DATE	BY	APPVD
1	PRELIMINARY RELEASE	6/2/2003	RDM	DBK
2	UPDATE SPECIFICATIONS	6/4/2003	RDM	DBK
3	INSERTION LOSSS MIN. TO MAX	11/17/2003	RDM	DBK
4	revised dimensions and notes	10/11/2004	SRS	LXT
5	ECO 95800	1/27/2010	MJM	RS



## SPECIFICATION DRAWING

## NOTE:

- 1. HEAT SHRINK CONFIGURATION OPTIONAL.
- 2. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

THIS SPECIFICATION IS THE		INITIALS	DATE	-
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