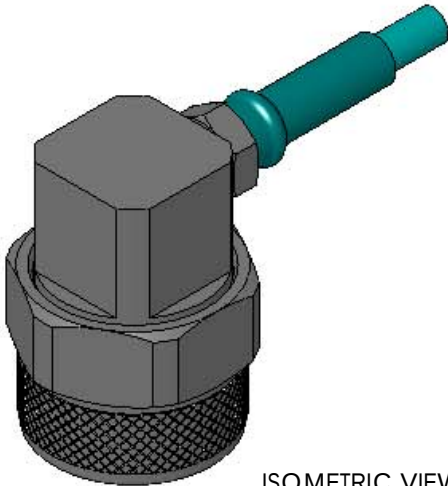


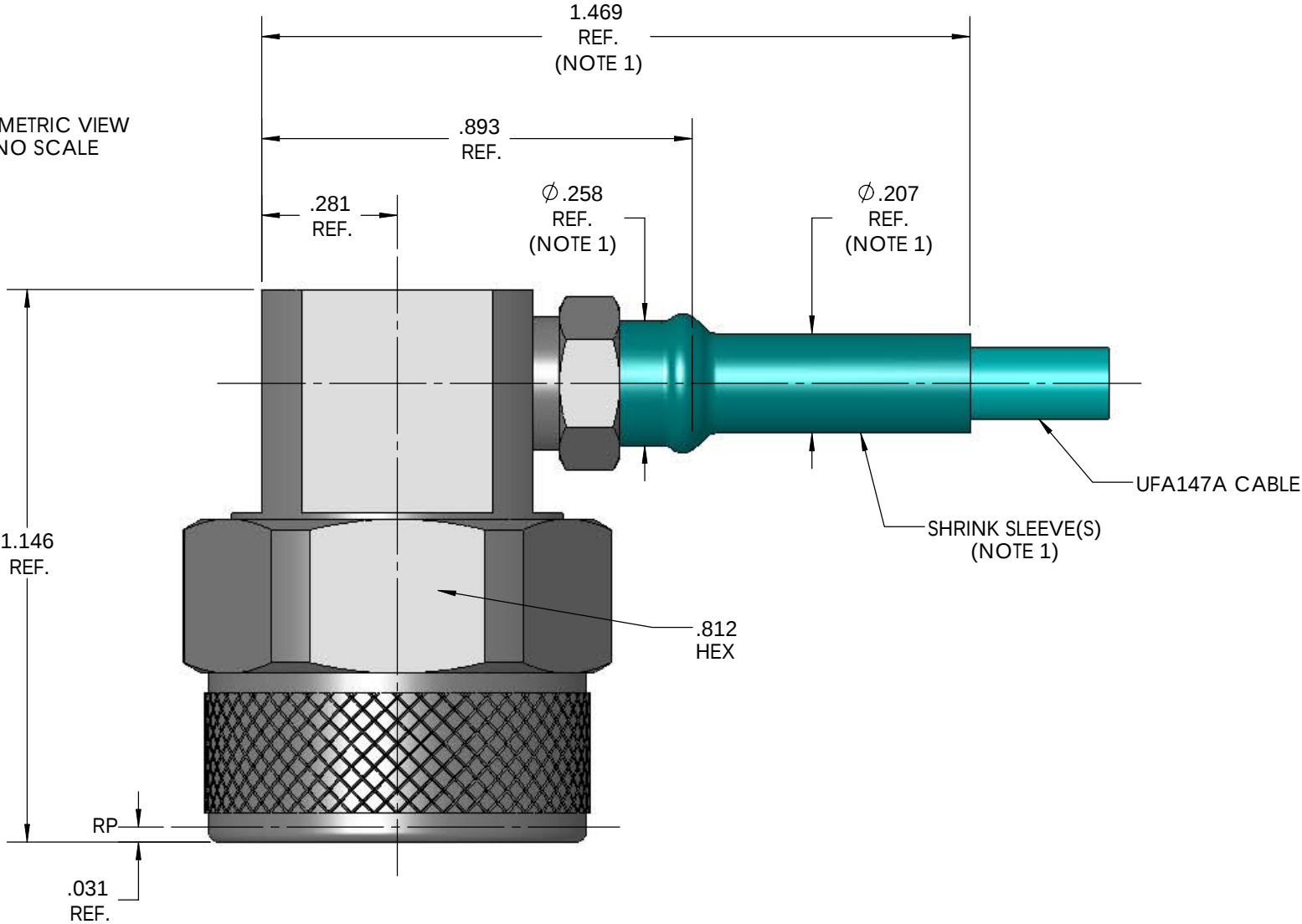
MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE402-1
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING NUT PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	6 IN-LBS. MAX.
FORCE TO DISENGAGE	6 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (BOTH DIRECTIONS)	6 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	40 GRAMS
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 8 GHz	12:1 MAX.
8 - 12.4 GHz	1.35:1 MAX.
12.4 - 18 GHz	TBD
INSERTION LOSS	0.06 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1200 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	400 Vrms. MIN. @ 70,000 FEET
RF HIGH POTENTIAL	800 Vrms. MIN.
CONTACT RESISTANCE (INNER)	1.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C TO +165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B
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%
MATERIAL AND FINISH	
CONTACT	BERYLLIUM COPPER, UNS NO. C17300, PER ASTM-B-196 GOLD PLATE PER MIL-G-45204, 50 MICROINCH MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES THK. MIN.
INSULATOR	POLYPHENYLENESULFIDE (PPS) PER ASTM-D-6358.
FRONT / REAR BODY, NUT, CLAMP NUT	STEEL, CORROSION RESISTANT, CONDITION A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, UNS NO. 17200, PER ASTM-B-197
CONTACT RING	BRASS, TEMPER H02, PER ASTM-B-16 UNS NO. C36000 GOLD PLATE PER MIL-G-45204, 50 MICROINCHES MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES MIN.
GASKET	SILICONERUBBER PER ZZ-R-765
APPLICATION	
CABLE(S)	UFA147A
INSTALLATION	PER CONFIGURATOR

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REV.	DESCRIPTION	DATE	BY	APPVD
1	PRELIMINARY RELEASE	4/26/2007	MJM	RS



ISOMETRIC VIEW
NO SCALE



NOTE:

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

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TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		N PLUG, RIGHT ANGLE, UFA147A CABLE							
.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°										