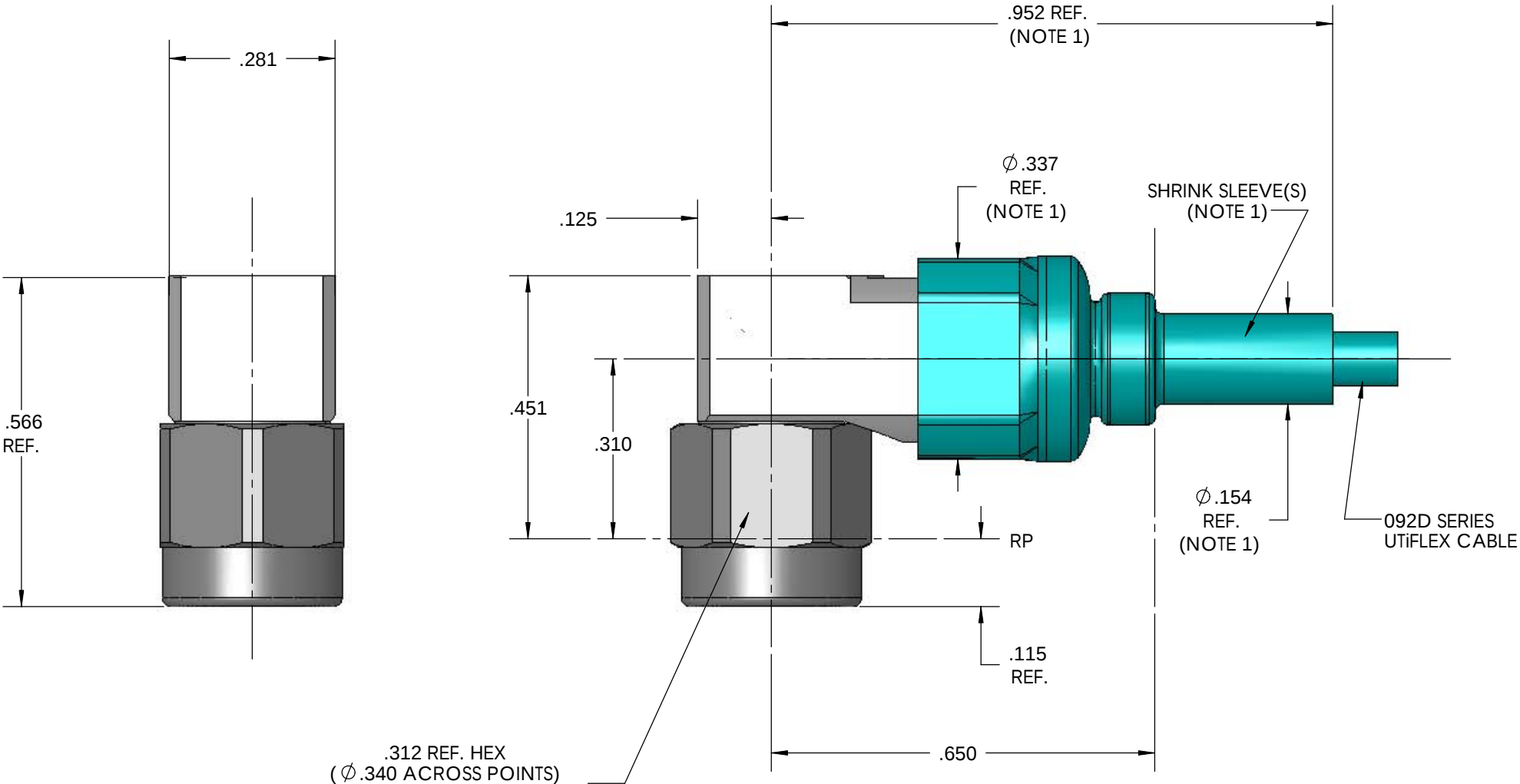


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS MIN. (BOTH DIRECTIONS)
CABLE RETENTION	15 LBS MIN.
MASS	8.3502 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.46 GHz	1.12:1 MAX.
12.46 GHz - 18 GHz	1.16:1 MAX.
18 GHz - 20 GHz	1.18:1 MAX.
INSERTION LOSS	0.04 √F (GHz) db MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1000 Vrms MIN.
INSULATION RESISTANCE	5000 MegOhms MIN.
RF LEAKAGE DC - TBD GHz	-80 dB
CORONA (70,000 FT.)	375 Vrms. MIN.
RF HIGH POTENTIAL (5 MHz)	800 Vrms. MIN.
CONTACT RESISTANCE (INNER)	4 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°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, (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIAL AND FINISH	
BODY & COUPLING NUT	STEEL, CORROSION RESISANT, CONDITION A. NON-MAGNETIC PER ASTM-A-582. UNS NO. S30300 PASSIVE PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, UNS NO. C17200 PER ASTM-B-197
GASKET	VITON
CONTACT	BERYLLIUM COPPER, UNS NO. C17300 PER ASTM-B-196 GOLD PLATE PER MIL-G-45204, 50 MICROINCHES MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES MIN.
INSULATOR	TFE FLUOROCARBON PER ASTM-D-170
APPLICATION	
CABLE(S)	092D SERIES CABLE
INSTALLATION	PER CONFIGUATOR

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REV.	DESCRIPTION	DATE	BY	APPVD
A	ECO 75218	4/17/2007	MPK	RS



NOTE:

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

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		DWN.	JMK	8/15/06							
		CHKD.									
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		SMA PLUG, MITER RT. ANGLE, 092D SERIES 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	
.XXX	± .005			64639	B	4:1	1 OF 1	SD903667	A		
.XXXX	± .0010										
ANGLES	± 2°										