REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE - ESR 814505	9/30/2008	MJM	RS	MJM

MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 319-1
SLANT SHEET	MIL-PRF-39012/140 REF.
RECOMMENDED MATING TORQUE	5 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 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. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	2 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.36 GRAMS NOM

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.22:1 MAX.
12.4 - 18 GHz	1.35:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	750 Vrms MIN..
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	190 Vrms MIN.. @ 70,000 FEET
RF HIGH POTENTIAL	500 Vrms MIN..
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

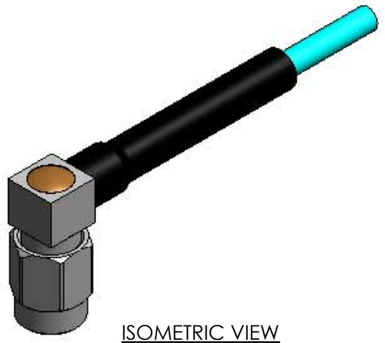
OPERATING TEMPERATURE	-65°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

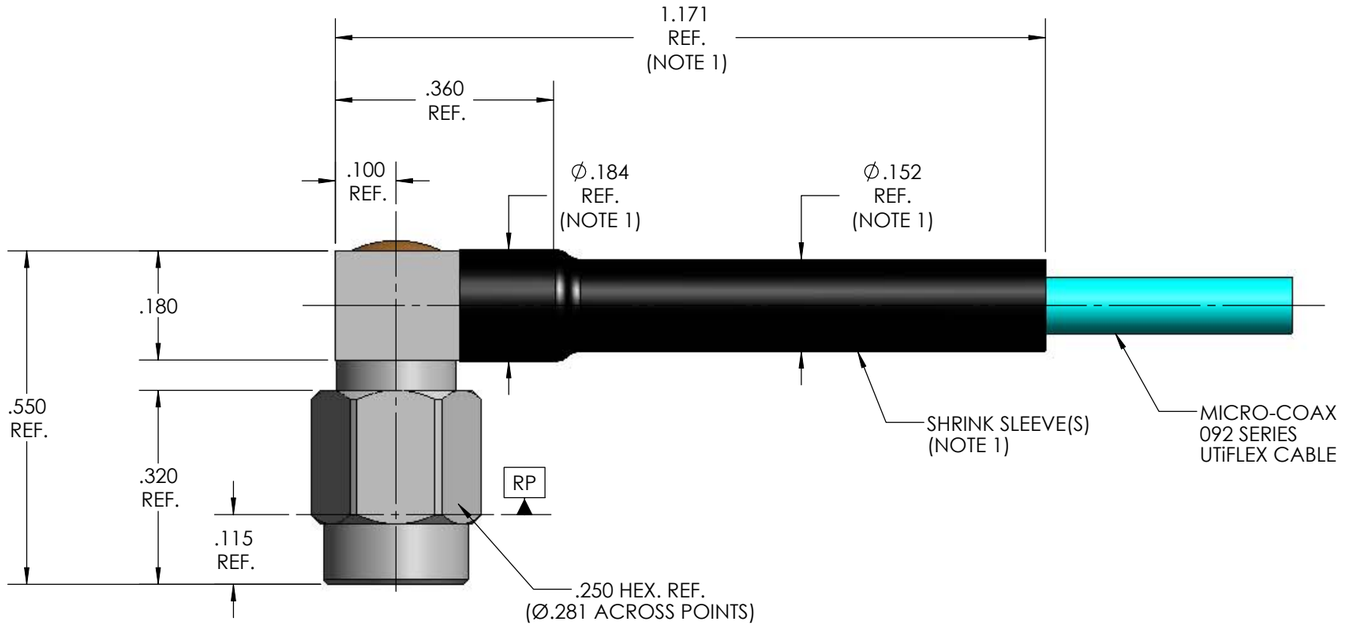
BODY	STEEL, CORROSION RESISTANT PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER ZZ-R-765
BODY &CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	POLYETHERMIDE THERMOPLASTIC, (ULTEM 1000), PE10113 PER ASTM-D-5205
DIELECTRIC STOP, INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
END CAP	BRASS FER ASTM B36, GOLD PLATE PER MIL-DTL-45204 OVER COPPER PLATE PER MIL-C-14550

APPLICATION

CABLE(S)	092 SERIES CABLE
INSTALLATION	PER CONFIGURATOR



ISOMETRIC VIEW
SCALE 2:1



NOTE:

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

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	MJM	9/30/08
CHKD.	MJM	9/30/08
APPVD.		

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

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

TITLE: SSMA PLUG, MITER RIGHT ANGLE, 092 SERIES

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	4:1	1 OF 1	SD904927	1