MECHANICAL CHARACTERISTICS

INTERFACE	PER MICRO-COAX DRAWING A-18557
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	IEEE P287 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING NUT PROOF TORQUE	15 IN-LBS. MAX.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
COUPLING NUT RETENTION	60 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	10 LBS. MIN.
MASS	2.44 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	50 GHz
VSWR DC - 18 GHz	1.16:1MAX.
18 GHz - 40 GHz	1.22:1 MAX
40 GHz - 50 GHz	1.25:1 MAX
INSERTION LOSS	0.03 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	575 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	150 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	375 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE	-55°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, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

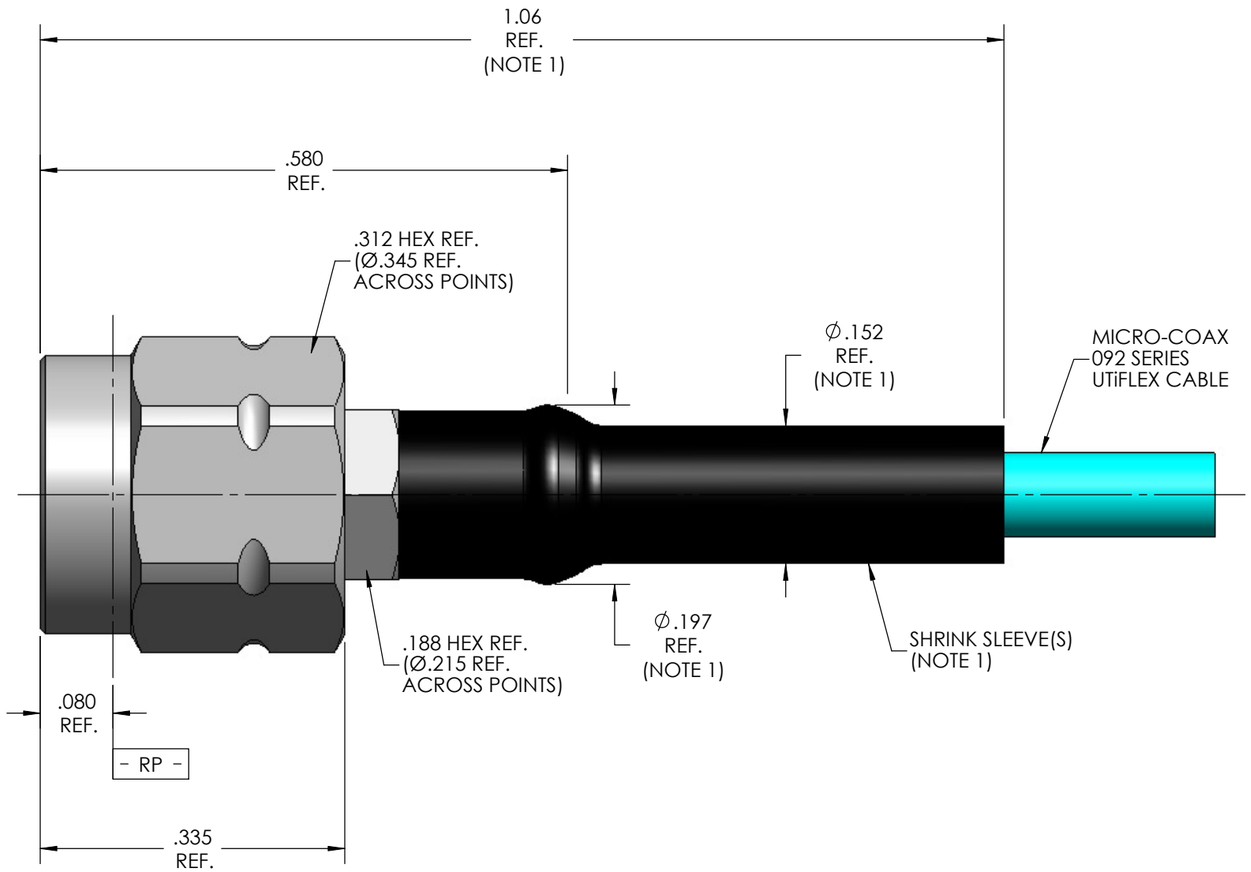
MATERIALS AND FINISH

CONTACT & FLEA	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
BEAD(S)	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
BODY & FRONT BODY	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER A-A-59588

APPLICATION

CABLE(S)	092 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE	7/12/2005	SRS	MJK	-
A1	ECO 105240	3/25/2010	MJM	RS	MJR
B	ECO 105493	6/3/2010	MJM	RS	NDS
C	ECO 135231	4/25/2013	MJM	RS	CCF
D	ECO 135327	6/14/2013	MJM	RS	CCF
E	ECO135386	8/5/2013	MJM	RS	CCF



NOTE:

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

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	DBK	7/23/02
CHKD.	CCF	4/29/13
APPVD.		

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

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

TITLE: 2.4mm PLUG, 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	6:1	1 OF 1	SD903675	E