MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 309-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/36 REF.
RECOMMENDED MATING TORQUE	10-15 IN-LBS. NOM.
CENTER CONTACT INSERTION FORCE (INTERFACE)	6 IN-LBS. MAX.
CENTER CONTACT WITHDRAW FORCE (INTERFACE)	6 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	3 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	3 LBS. MIN.
CABLE RETENTION	30 LBS. MIN.
MASS	43.39 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	9 GHz
VSWR DC - 9 GHz	1.16:1MAX.
INSERTION LOSS	0.045 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1800 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 9 GHz	-90 dB MIN.
CORONA	460 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1200 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%

MATERIALS AND FINISH

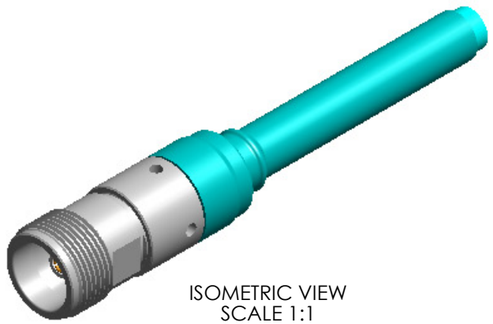
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEAD	POLYETHERETHERKETONE, PER MIL-P-45183, TYPE 1
INSULATORS	TFE FLUOROCARBON PER ASTM-D-1710
BODIES & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204 OVER, NICKEL PLATE PER AMS-QQ-N-290

APPLICATION

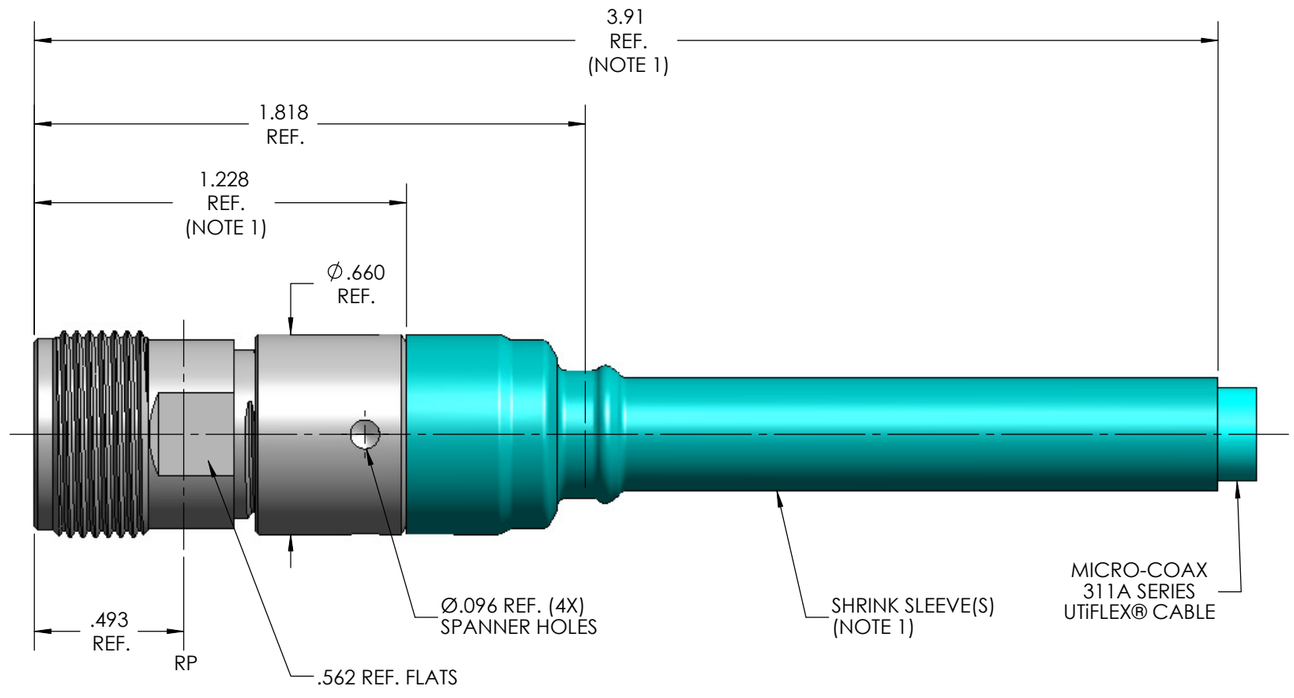
CABLE(S)	311A
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE-RDCR_67056	11/8/2006	JMK	RS
B	ECO 125179	4/11/2012	MJM	RS
C	ECO 125512	10/2/2012	MJM	RS



ISOMETRIC VIEW
SCALE 1:1



NOTE:

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

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	JMK	4/24/06
CHKD.	CCF	4/17/12
APPVD.		

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

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

TITLE: SC JACK, 311A 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	2:1	1 OF 1	SD904539	C