THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	ECO 115395	8/3/2011	PLM	MJR	RS
B	ECO 135006	1/10/2013	MJM	RS	CCF

MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 313-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/27 REF.
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 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	20 LBS. MIN.
MASS	24.55 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	10.0 GHz
VSWR DC - 10.0 GHz	1.15:1 MAX.
INSERTION LOSS	0.045 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	2100 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 10 GHz	-90 dB
CORONA	540 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1400 Vrms MIN.
CONTACT RESISTANCE (INNER)	1.5 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

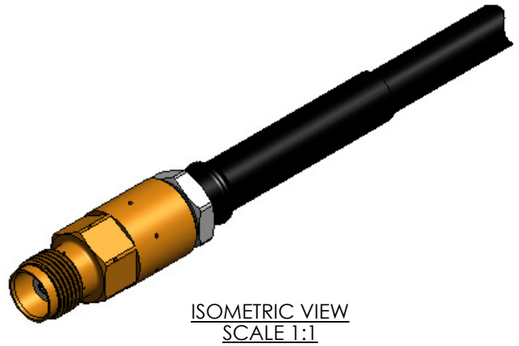
OPERATING TEMPERATURE	-100°C TO 150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202-METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

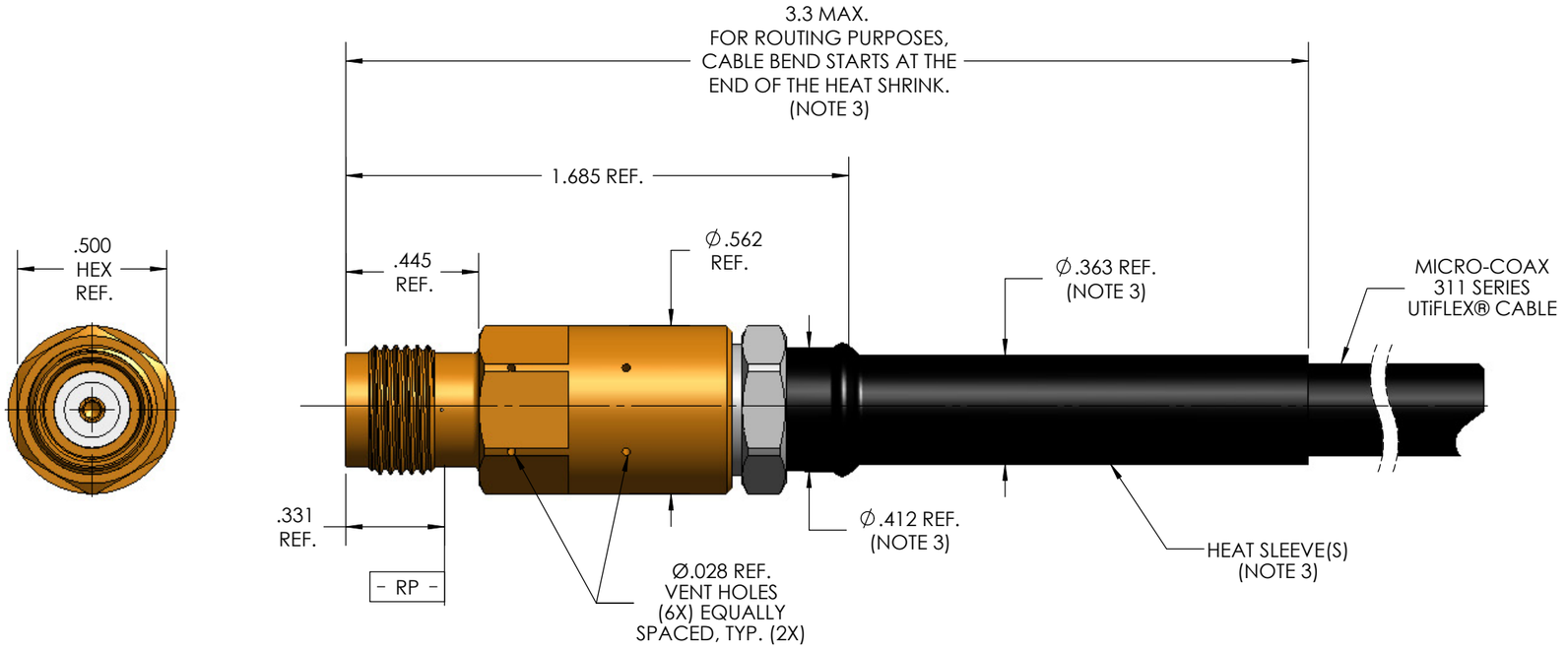
BODY, BUSHING	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE ASTM-B734
CLAMP NUT	STEEL, CORROSION RESISTANT PER ASTM-A-582, PASSIVATE PER ASTM-A-967
FORWARD INSULATOR, REAR INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
FORWARD & REAR DIELECTRIC STOP, WASHER	POLYMIDE PER ASTM-D-6456
CONTACT, CONTACT RING	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE AMS-QQ-N-290

APPLICATION

CABLE(S)	311 SERIES CABLE
INSTALLATION	PER CONFIGURATOR



ISOMETRIC VIEW
SCALE 1:1



NOTE:

1. THIS CONNECTOR NOT INTENDED FOR PIM APPLICATIONS.
2. VERIFY MULTIPACTION RATINGS FOR EACH APPLICATION.
3. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
4. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 904275-EM (EQUIPMENT MODEL).

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	SRS	03/10/05
CHKD.	CCF	1/14/13
APPVD.		

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

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

TITLE: TNC JACK, 311 SERIES CABLE, HIGH POWER, SPACE GRADE

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	SD904275	B