REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - ECO 135378	7/22/2013	MJM	RS	CCF

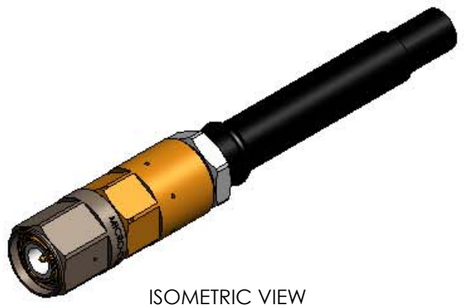
MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 313.1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/26 REF.
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	20 LBS. MIN.
MASS	26.20 GRAMS NOM.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	12.7 GHz
VSWR DC - 12.7 GHz	1.15:1MAX.
INSERTION LOSS	0.045 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	2100 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 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.
C.W. POWER	200 WATTS THROUGH 8 GHz IN VACUUM (ANALYSIS)
PEAK POWER (MULTIPACTION)	700 WATTS THROUGH 8 GHz IN VACUUM (ANALYSIS)

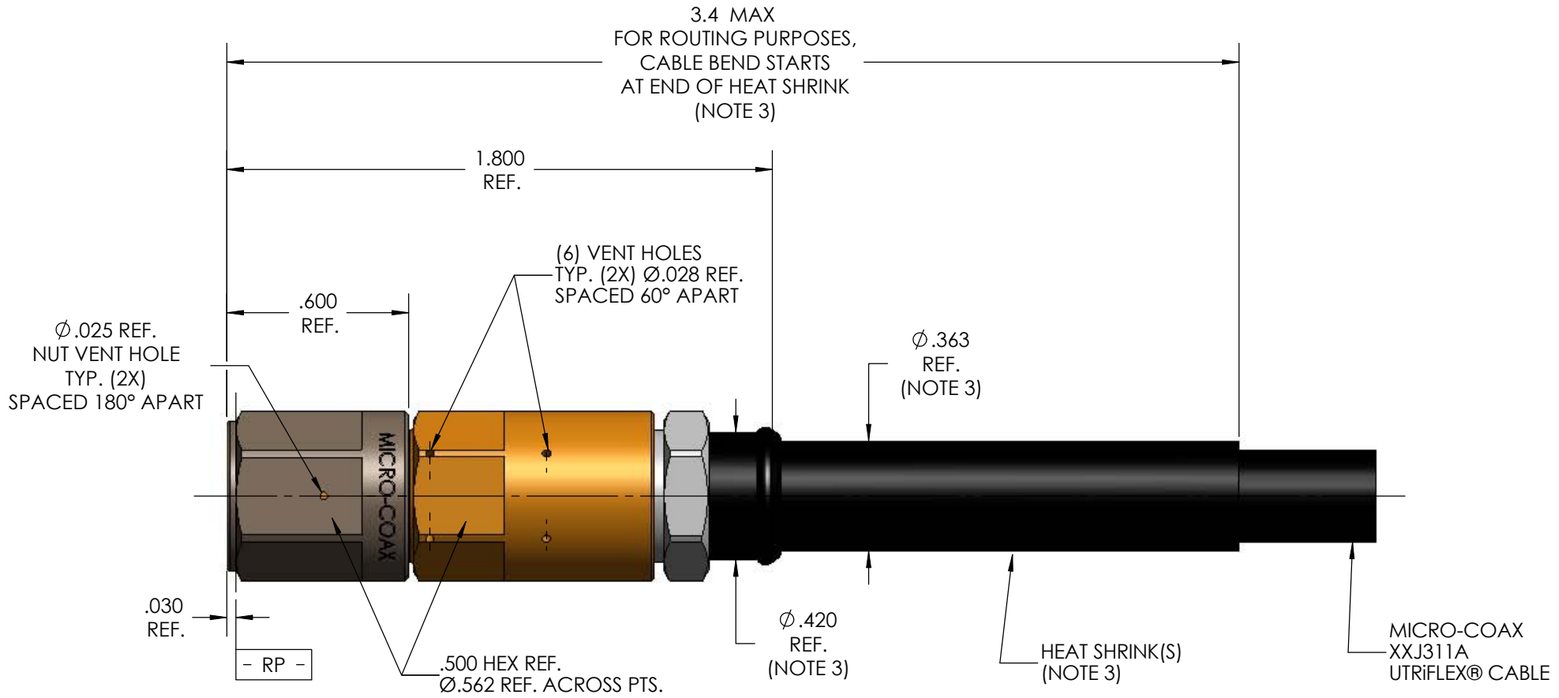
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-100°C TO 150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH	
BODY, BUSHING	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734.
COUPLING NUT	ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625 (STANDARD GRAY/BLACK COLOR)
SNAP RING	BERYLLIUM COPPER PER ASTM-B-197
CLAMP NUT	STEEL, CORROSION RESISTANT PER ASTM-A-582, PASSIVATE PER ASTM-A-967
CONTACT RING, CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
INSULATORS	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC STOP(S), WASHER	POLYIMIDE, PER ASTM D-6456 (TYPE 1)

APPLICATION	
CABLE(S)	XXJ311A
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	A0R
CONNECTOR CODE SHEET 2	AQR



ISOMETRIC VIEW
SCALE 1:1



NOTES:

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 905285-EM (EQUIPMENT MODEL).
5. SEE SHEET 2 FOR HEAT SHRINK FORMED ELBOW CONFIGURATION.

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	MJM	7/16/13
CHKD.	CCF	7/17/13
APPVD.		

MICRO-COAX
PROVEN RELIABLE

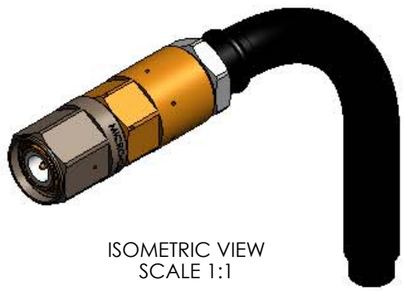
TOLERANCES UNLESS OTHEWISE SPECIFIED	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	± 2°

TITLE: TNC PLUG, HIGH POWER, VENT HOLES, XXJ311A, SPACE GRADE

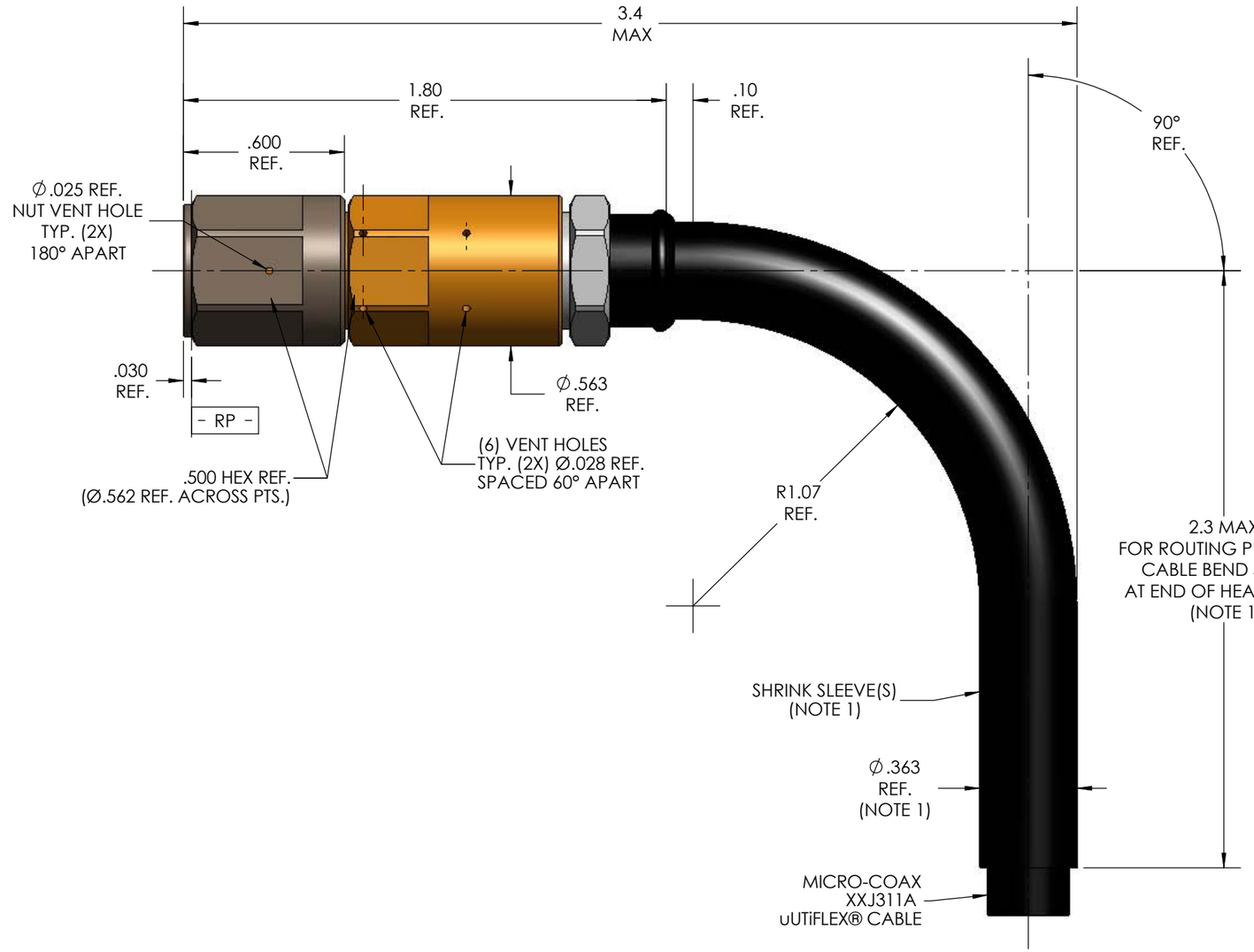
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.

FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
64639	B	2:1	1 OF 2	SD905285	A

DESCRIPTION
SEE SHEET 1 FOR REVISION HISTORY



ISOMETRIC VIEW
SCALE 1:1



NOTE:

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

ALL DIMENSIONS AND TOLERANCES IN INCHES UNLESS OTHERWISE SPECIFIED.	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	± 2°

	INITIALS	DATE
DWN.	MJM	7/16/13
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APPVD.		

MICRO-COAX
PROVEN RELIABLE

TITLE: TNC PLUG, HIGH POWER, VENT HOLES, HEAT SHRINK FORMED ELBOW, XXJ311A, SPACE GRADE

FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.
64639	B	2:1	2 OF 2	SD905285	A