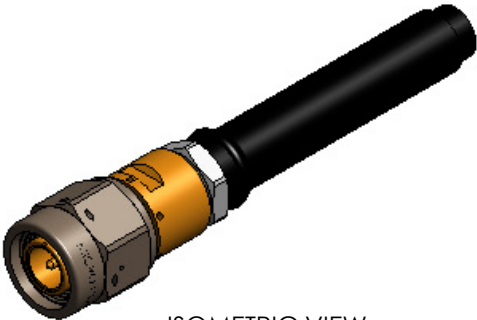
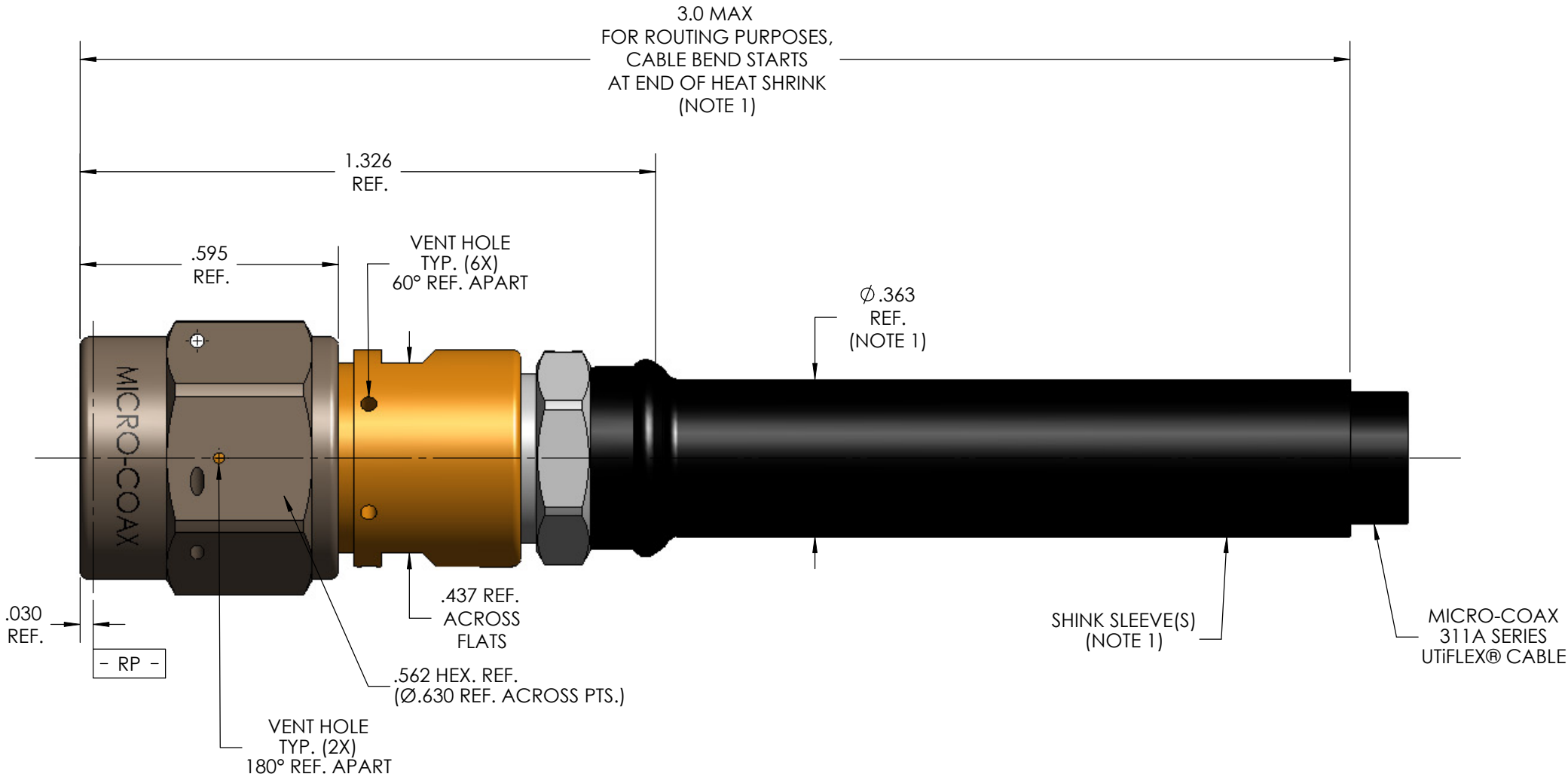


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 313-3
SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	9 IN-LBS NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 IN-LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	20 LBS. MIN.
MASS	12.07 GRAMS NOM.
MASS WITH CONTACT RING AND CLAMP NUT	15.80 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.15:1 MAX.
12.4 GHz - 18 GHz	1.20:1 MAX.
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1650 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-80 dB
CORONA	420 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1100 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 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
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
COUPLING NUT	ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625
CLAMP NUT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
BODY	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED ASTM-B488, TYPE II, CODE C, COPPER PLATE ASTM-B734
INSULATOR, DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT & CONTACT RING	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
APPLICATION	
CABLE(S)	311 SERIES
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	60V
CONNECTOR CODE SHEET 2	6QV

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ISOMETRIC VIEW
SCALE 1:1



NOTE(S):

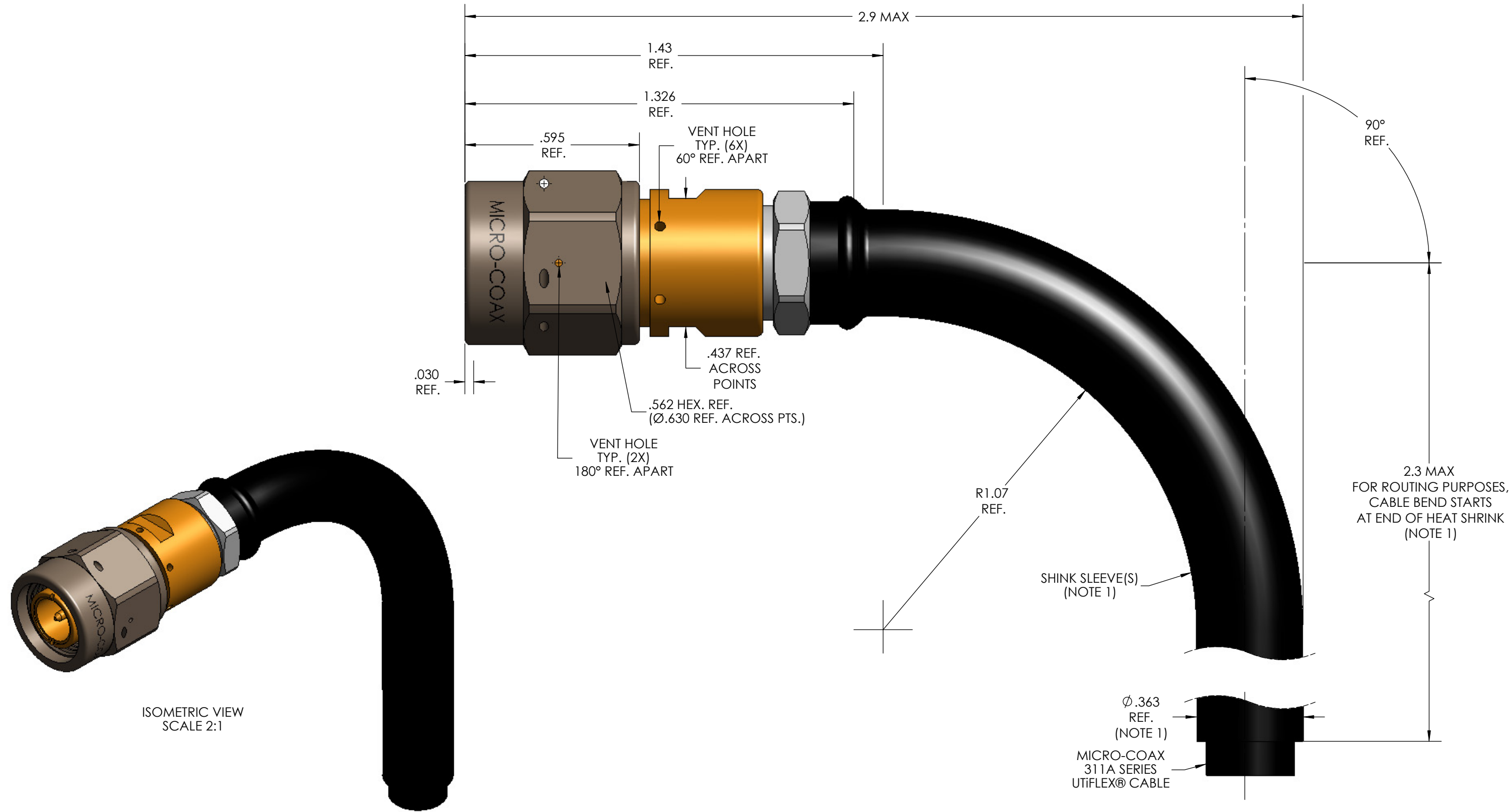
1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 904463-EM (EQUIPMENT MODEL).
3. SEE SHEET 2 FOR HEAT SHRINK FORMED ELBOW CONFIGURATION.

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE - ECO 65006	01/09/06	SRS	MJK
B	ECO 95181	3/18/2009	MJM	RS
C	ECO 95746	2/16/2010	NDS	RS
C1	ECO 105300	4/14/2010	MJM	RS
D	ECO 115360	6/20/2011	MJM	RS
E	ECO 135006	1/10/2013	MJM	RS
E1	ECO 135510	10/24/2013	MJM	RS

SPECIFICATION DRAWING

THIS SPECIFICATION IS THE PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MICRO-COAX, INC.		INITIALS		DATE		<div>MICRO-COAX</div> <div>PROVEN RELIABLE</div>					
		DWN.	SRS	11/30/05							
		CHKD.	CCF	1/18/13							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		TNCA PLUG, 311A SERIES, HI-POWER, ANTI-MULTIPACTION VENT HOLES, SAFETY WIRES, SPACE GRADE							
.XX	± .02	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		
.XXX	± .005			64639	B	3:1	1 OF 2	SD904463	E1		
.XXXX	± .0010										
ANGLES	± 2°										

DESCRIPTION
SEE SHEET 1 FOR REVISION HISTORY



ALL DIMENSIONS AND TOLERANCES IN INCHES UNLESS OTHERWISE SPECIFIED.		INITIALS	DATE	MICRO-COAX PROVEN RELIABLE				
.XX	± .02	DWN.	SRS					
.XXX	± .005	CHKD.	CCF					
.XXXX	± .0010	APPVD.						
ANGLES	± 2°	TITLE		TNCA PLUG, 311A SERIES, HI-POWER, ANTI-MULTIPLICATION, VENTED, SAFETY WIRES, HEAT SHRINK FORMED ELBOW, SPACE GRADE				
			FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.
			64639	B	3:1	2 OF 2	SD904463	E1