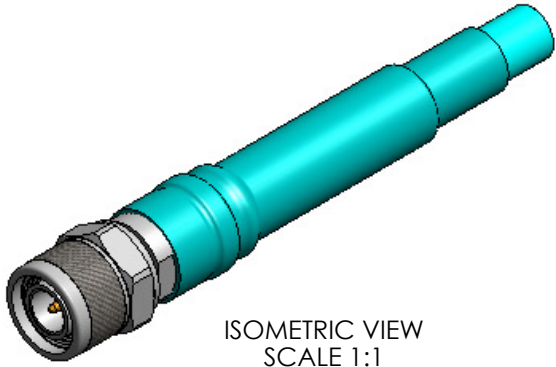
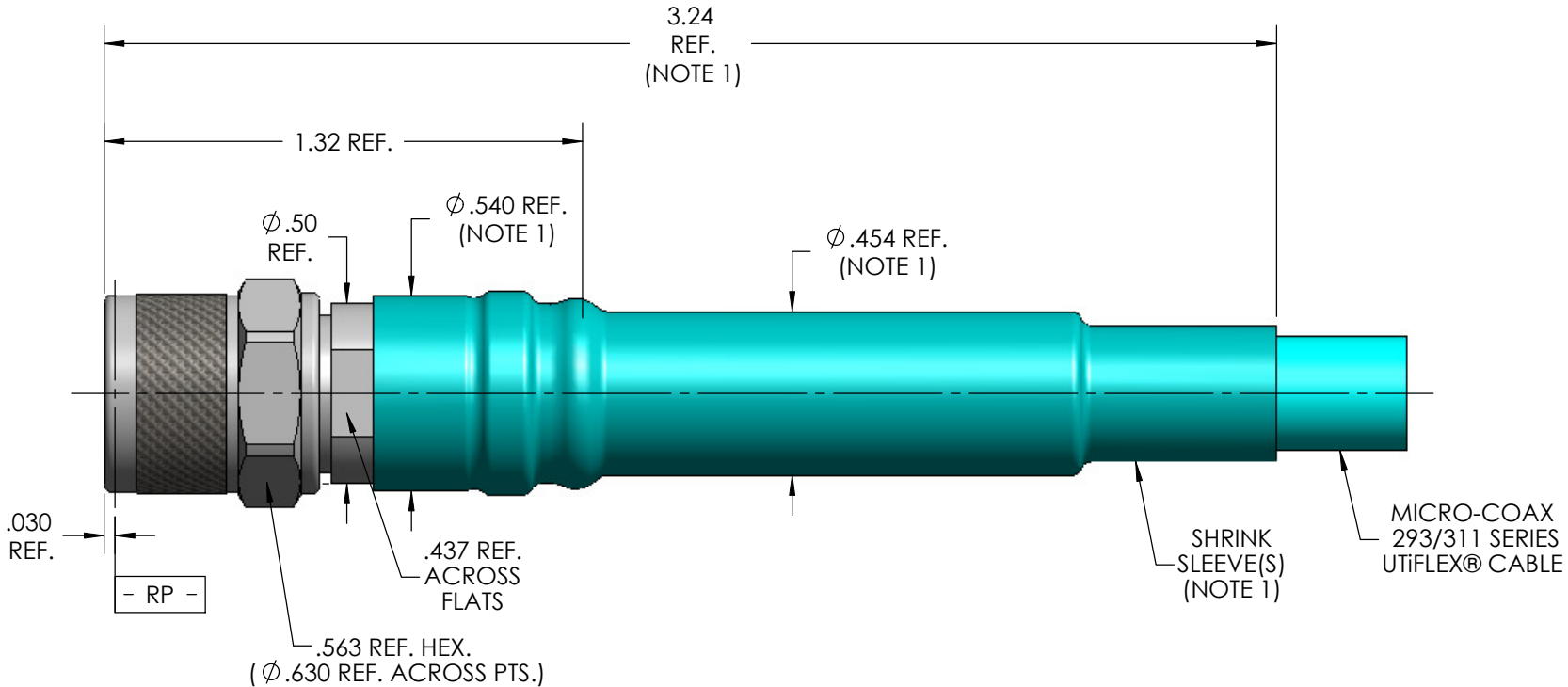


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 313-3
SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	9 IN-LBS NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 IN-LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	20 LBS MIN.
MASS SHEET 1	20.31 GRAMS NOM.
MASS SHEET 2	33.12 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	1500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	100 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-62 °C TO 165 °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, COUPLING NUT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
CONTACT	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT RING	BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR, DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBER PER ZZ-R-765
ELBOW	STEEL, CORROSION RESISTANT, PER ASTM-A-269, UNS NO. S30400 (TP 304) OR S30403 (TP 304L), PASSIVATED PER ASTM-A-967
APPLICATION	
CABLE(S)	293/311 SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	60U
CONNECTOR CODE SHEET 1	6GU

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL

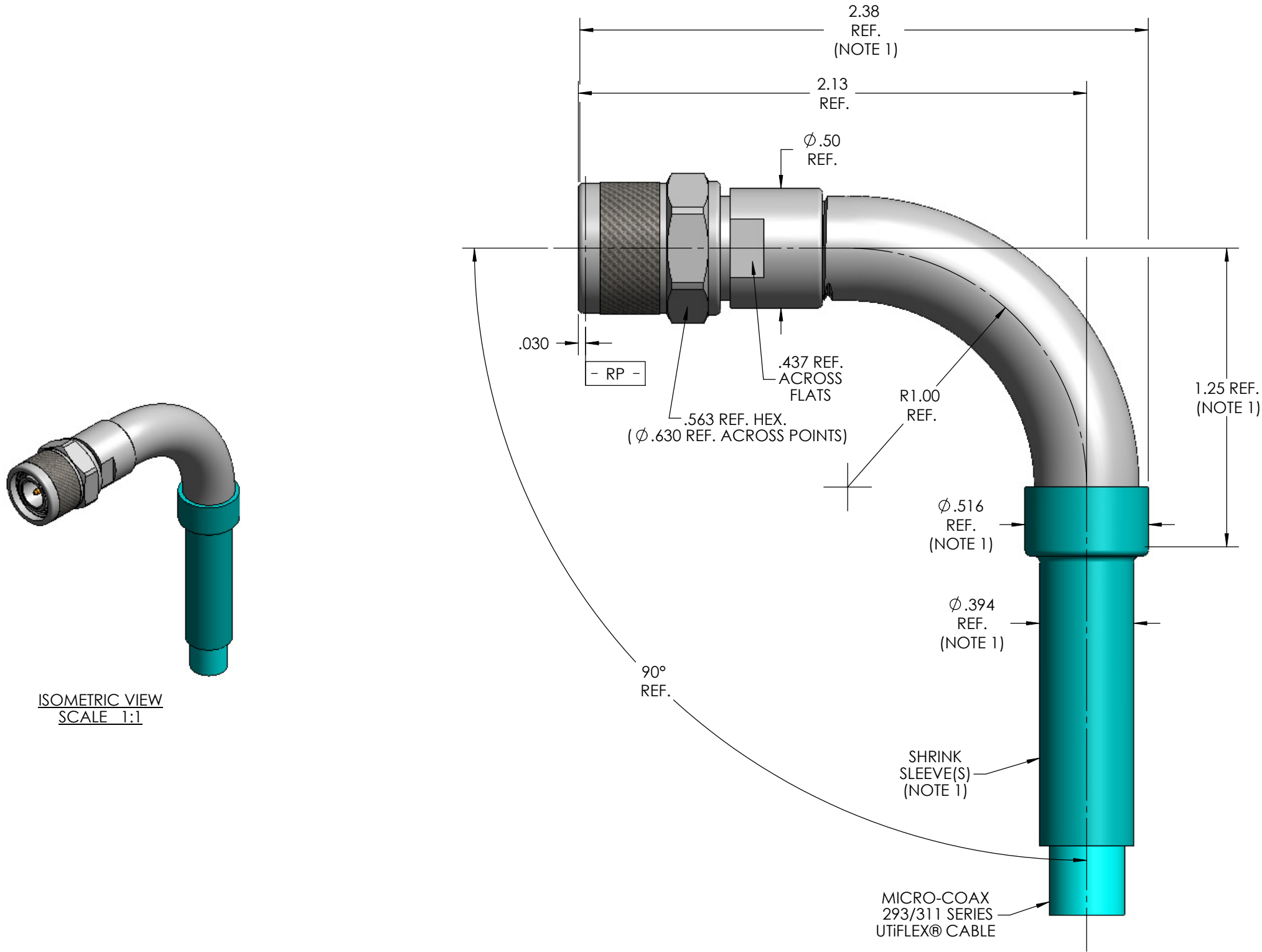


ISOMETRIC VIEW
SCALE 1:1



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.	CCF	2/09/11							
		CHKD.	MJM	11/11/13							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		TNCA PLUG, 293/311 SERIES									
.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	2:1	1 OF 2	SD903312	6		
.XXXX	± .0010										
ANGLES	±2°										



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.		INITIALS		DATE	MICRO-COAX PROVEN RELIABLE			
		DWN.	CCF	2/09/11				
		CHKD.	MJM	11/11/13				
.XX	± .02	APPVD.			TITLE TNCA PL, 90° ELBOW, 293X/311X			
.XXX	± .005							
.XXXX	± .0010							
ANGLES	± 2°							
		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.	
		64639	B	2:1	2 OF 2	SD903312	6	