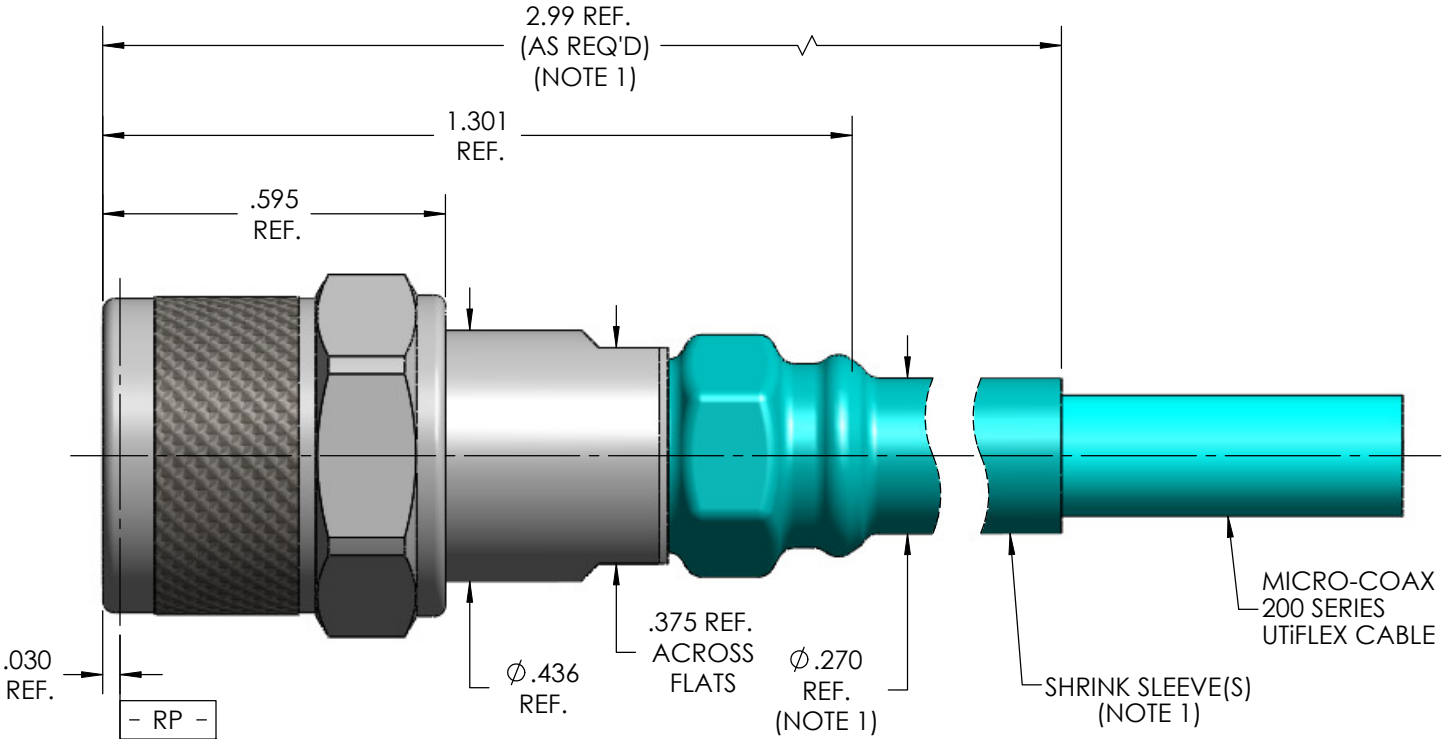
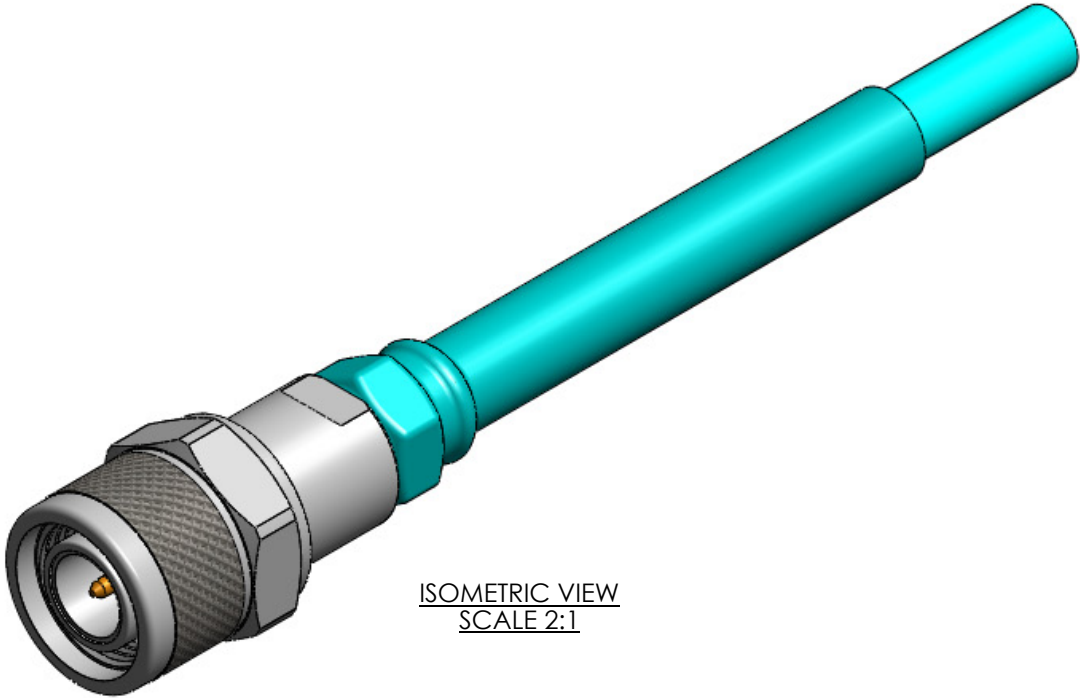


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 313-3
SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	9 IN-LBS NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 IN-LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	20 LBS. MIN.
MASS SHEET 1	22.10 GRAMS NOM.
MASS SHEET 2 (45° ELBOW)	20.57 GRAMS NOM.
MASS SHEET 2 (90° ELBOW)	22.10 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	1175 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	300 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	775 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, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
CONTACT(S)	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 RUBBER PER ZZ-R-765
ELBOWS	STEEL, CORROSION RESISTANT, PER ASTM-A-269, UNS NO. S30400 (TP 304) OR S30403 (TP 304L), PASSIVATED PER ASTM-A-967
APPLICATION	
CABLE(S)	197/205/210 SERIES
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	60U
CONNECTOR CODES SHEET 2	6GU (90° ELBOW)/66U (45° ELBOW)

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL



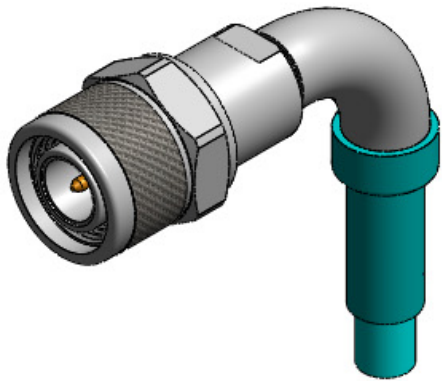
NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. SEE SHEET 2 FOR 90° AND 45° ELBOW CONFIGURATIONS.

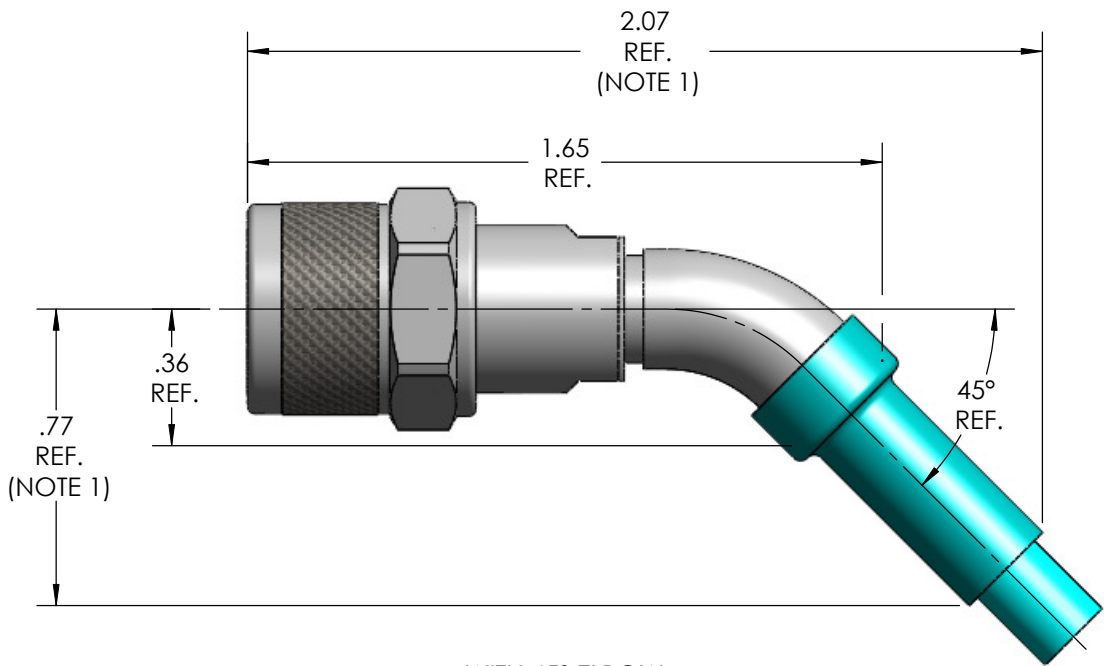
REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE	2/24/2004	PLM	MJK	-
2	ECO105245	4/1/2010	CCF	RS	MJR
3	REVISE OPERATING TEMPERATURE FROM -65°C TO -62°C	5/6/2013	MJM	RS	MJM
4	ADD SHEET 2 - ELBOW CONFIGURATIONS	11/11/2013	MJM	RS	MJM

SPECIFICATION DRAWING

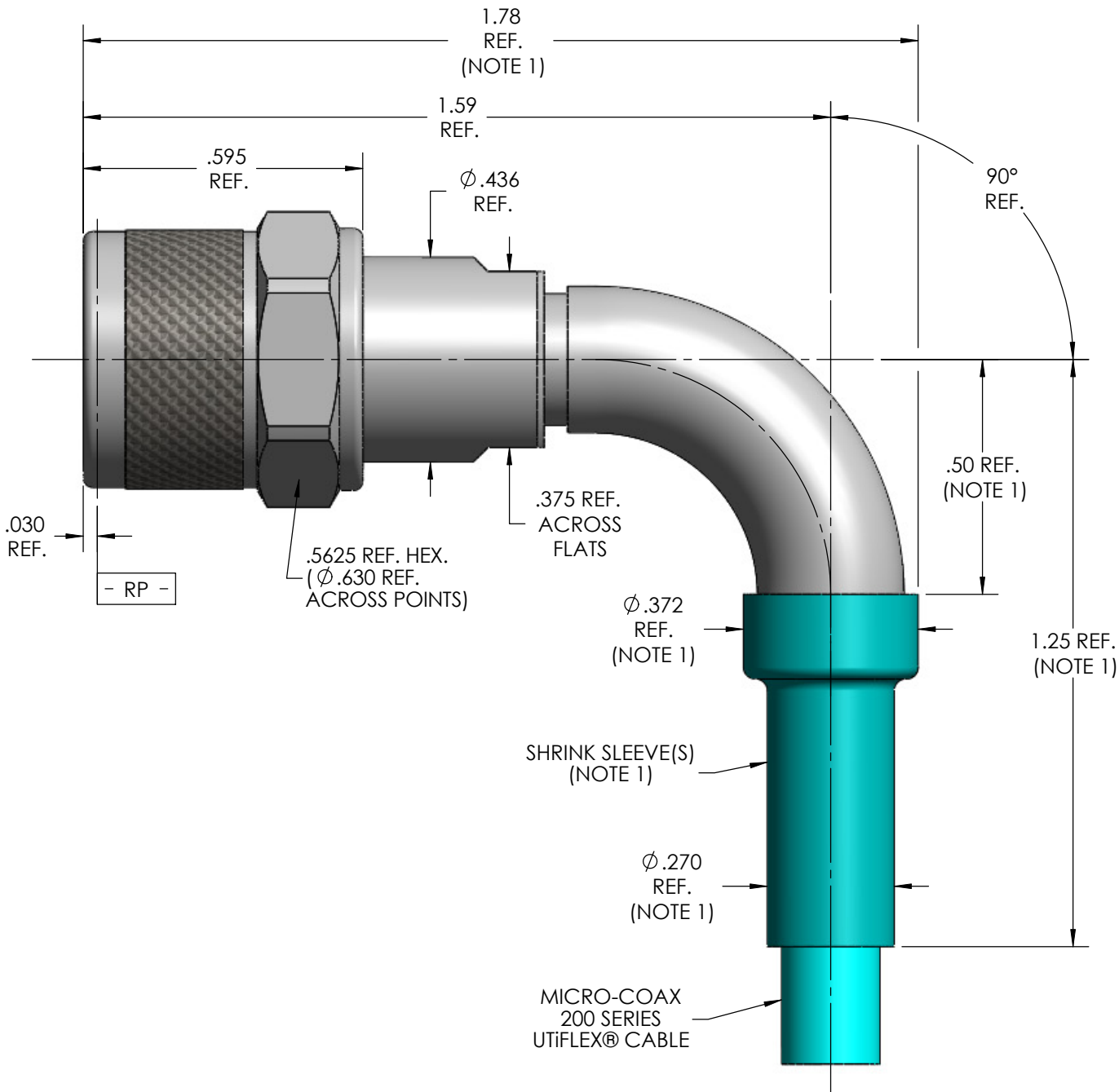
THIS SPECIFICATION IS THE PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MICRO-COAX, INC.		INITIALS		DATE		<div>MICRO-COAX</div> <div>PROVEN RELIABLE</div>					
		DWN.	PLM	02/24/04							
		CHKD.	MJM	5/6/13							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		TNCA PLUG, 197/205/210 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	3:1	1 OF 2	SD903311	4
.XXXX	± .0010										
ANGLES	±2°										



ISOMETRIC VIEW
SCALE 3:2



WITH 45° ELBOW
SCALE 2:1



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.	PLM	02/24/04						
		CHKD.	MJM	5/6/13						
		APPVD.								
.XX	± .02	TITLE		TNCA PLUG, 45° & 90° ELBOW, 197/205/210 SERIES						
.XXX	± .005									
.XXXX	± .0010									
ANGLES	± 2°									
				FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.	
				64639	B	3:1	2 OF 2	SD903311	4	