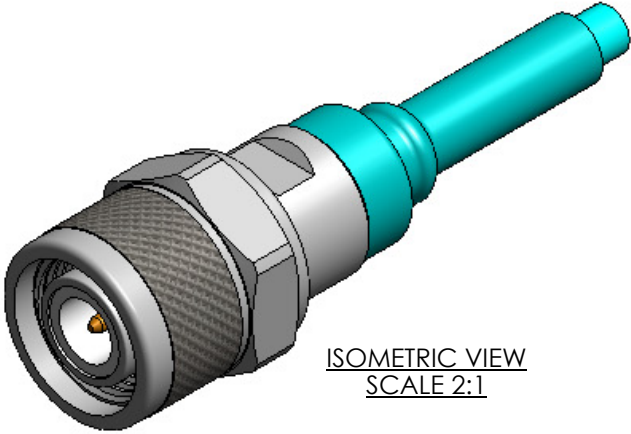


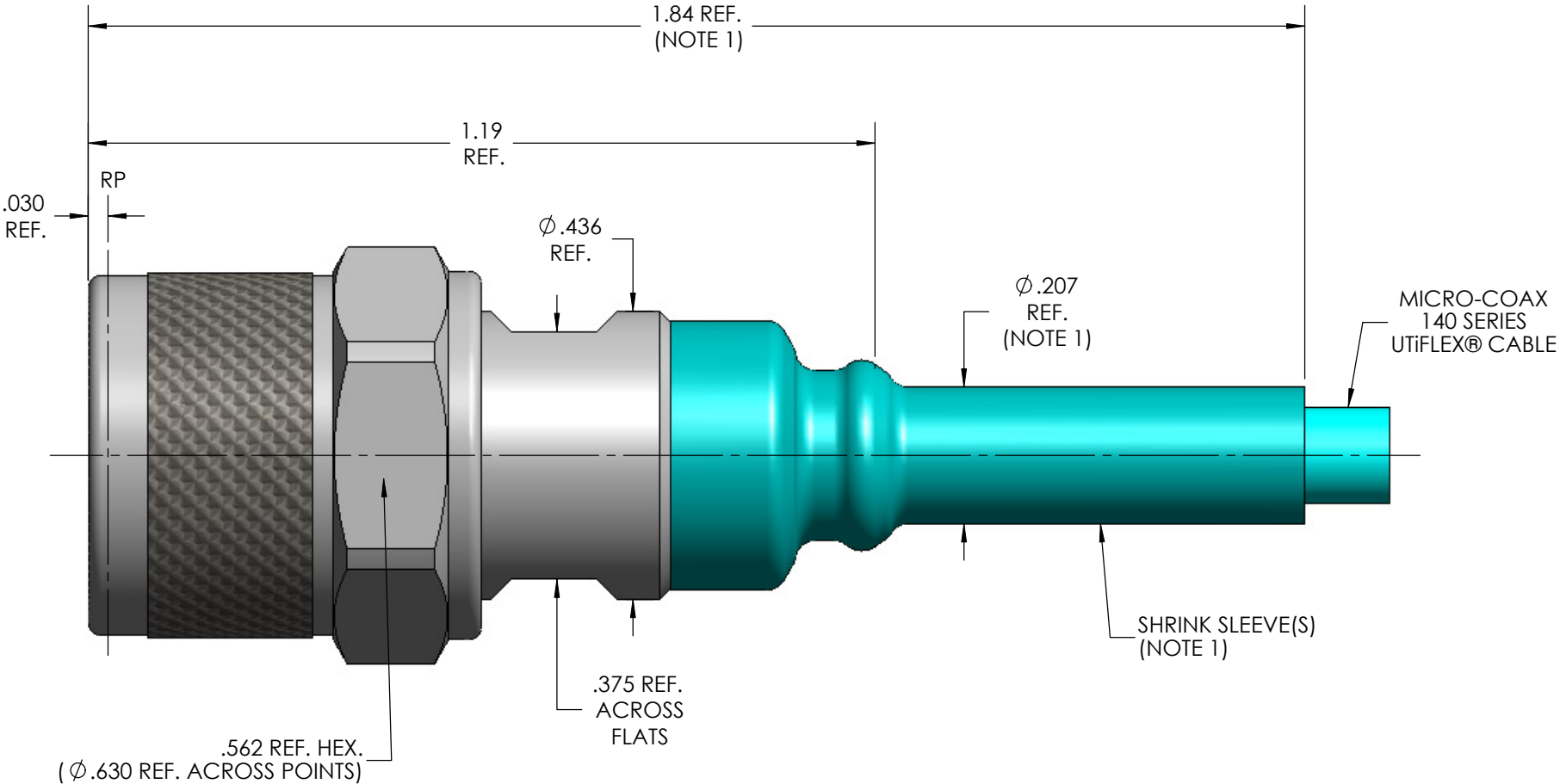
MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIG. 313-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/26 REF.
RECOMMENDED MATING TORQUE	20.0 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN
COUPLING NUT RETENTION	60 LBS MIN.
FORCE TO ENGAGE	2.0 IN-LBS. MAX.
FORCE TO DISENGAGE	2.0 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MIN.
CABLE RETENTION	15 LBS. MIN.
MASS (SHEET 1)	17.96 GRAMS NOM.
MASS (SHEET 2 WITH S.S. ELBOW)	20.64 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50.0 Ohms NOM.
MAXIMUM FREQUENCY	14.0 GHz
VSWR DC - 12.4 GHz	1.15:1MAX.
12.4 GHz - 14.0 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 - 14 GHz	-90 dB MIN.
CORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1000 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	
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEADS	POLYPHENYLENE SULFIDE, (PPS) PER ASTM-D-6358
BODY, CLAMP NUT, BUSHING & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
GASKET	SILICONE RUBBER PER ZZ-R-765
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR	TFE FLUOROCARBON, PER ASTM-D-1710
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)	140 SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	AOU
CONNECTOR CODE SHEET 2 - S.S. ELBOW	AGU
CONNECTOR CODE SHEET 2 - HSFE	AQU

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	05/31/05	SRS	MJK
B	ECO 135241	5/1/2013	MJM	RS



ISOMETRIC VIEW
SCALE 2:1

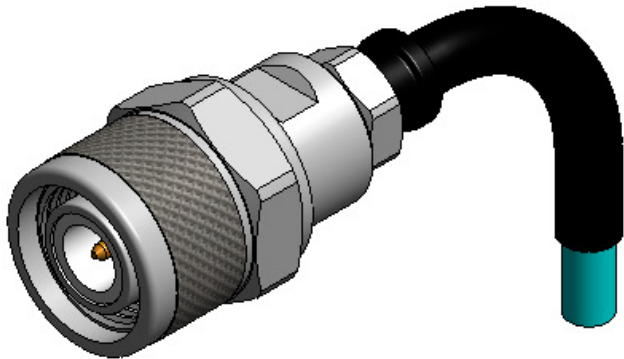


SPECIFICATION DRAWING

NOTE:

- MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
- SEE SHEET 2 FOR 90° S.S. ELBOW AND HEAT SHRINK FORMED ELBOW CONFIGURATIONS.

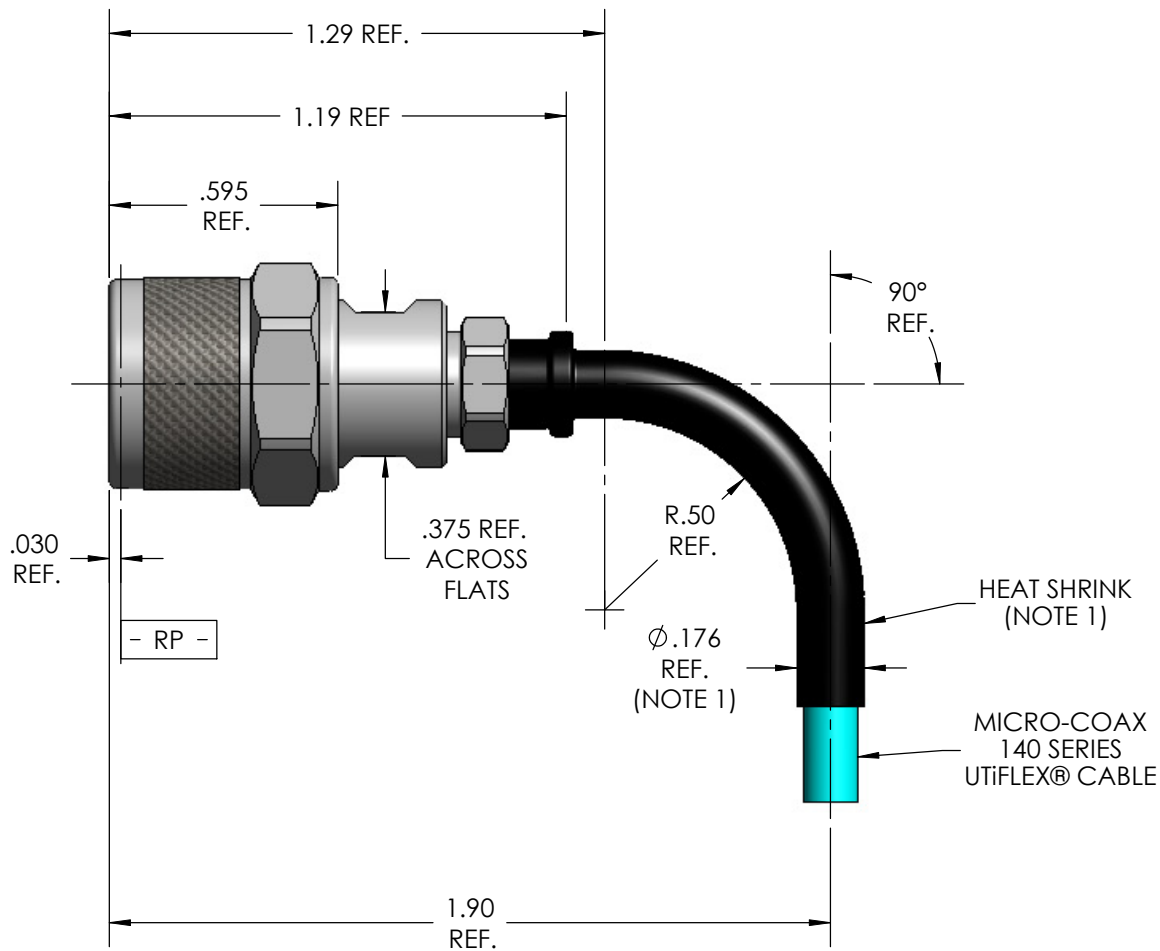
THIS SPECIFICATION IS THE PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MICRO-COAX, INC.		INITIALS		DATE		<div>MICRO-COAX[®] <i>Leading the way in transmission line solutions.</i> <i>Copyright Micro-Coax, Inc.</i></div>					
		DWN.	SRS	10/25/04							
		CHKD.	MJM	5/2/13							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		TNC PLUG, 140 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	4:1	1 OF 2	SD904168	B		
.XXXX	± .0010										
ANGLES	± 2°										



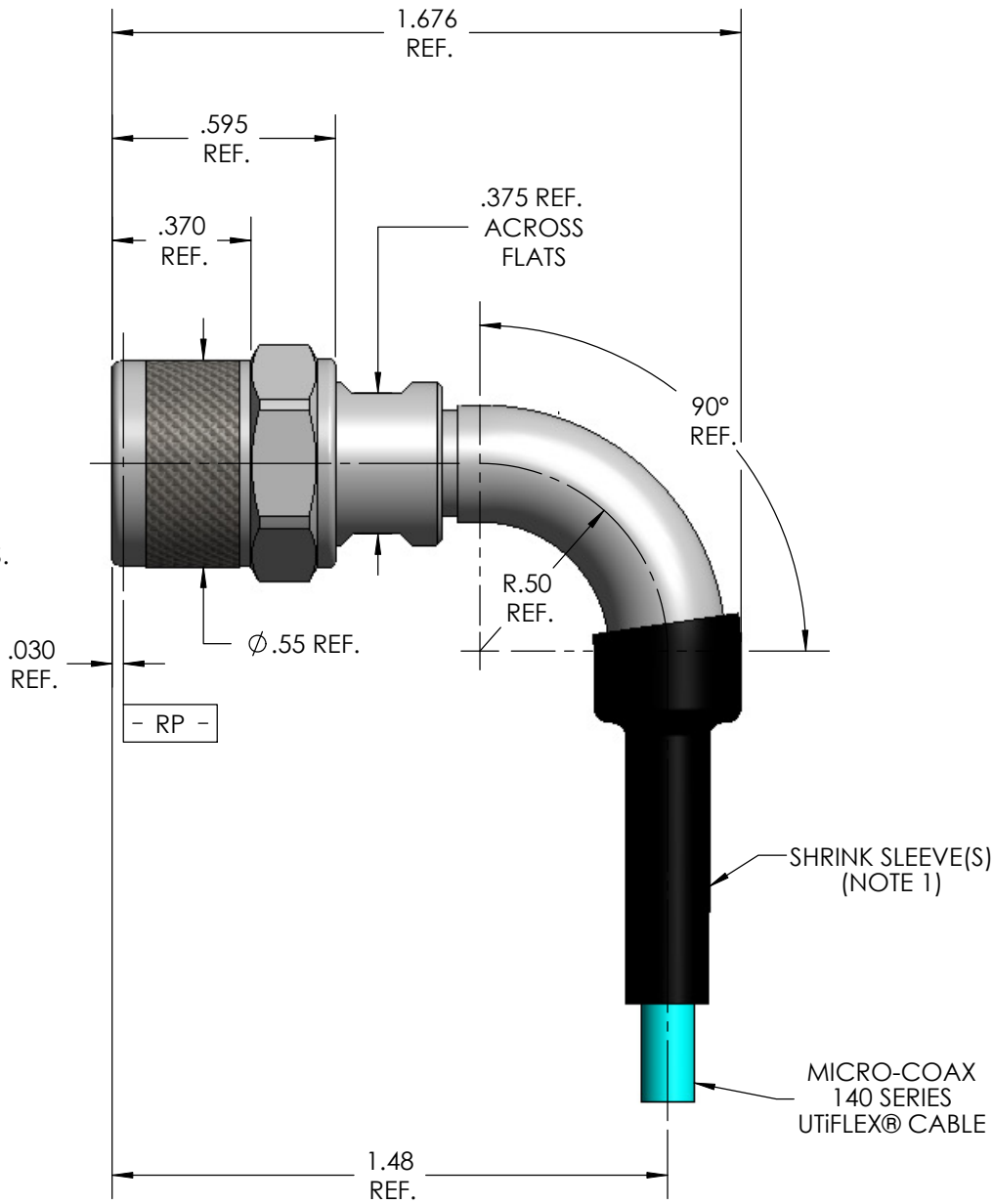
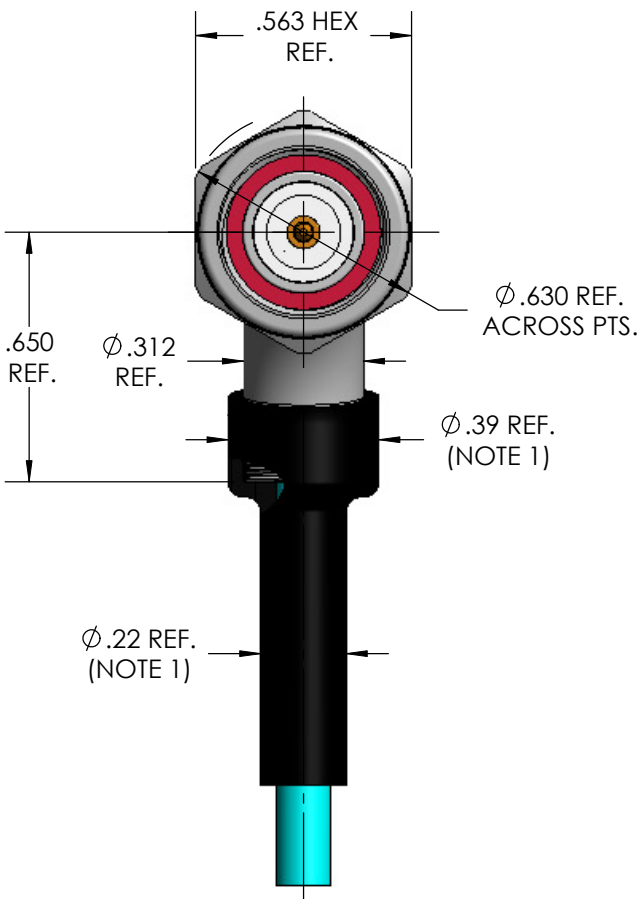
ISOMETRIC VIEW



ISOMETRIC VIEW
SCALE 1:1



HEAT SHRINK FORMED ELBOW



STAINLESS STEEL ELBOW

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 [®] Leading the way in transmission line solutions. Copyright Micro-Coax, Inc.			
		DWN.	SRS	10/25/04				
		CHKD.	MJM	5/2/13				
.XX	± .02	APPVD.			TITLE TNC PLUG, 90° STAINLESS STEEL & HEAT SHRINK FORMED ELBOWS, 140 SERIES			
.XXX	± .005							
.XXXX	± .0010							
ANGLES	± 2°							
		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.	
		64639	B	2:1	2 OF 2	SD904168	B	