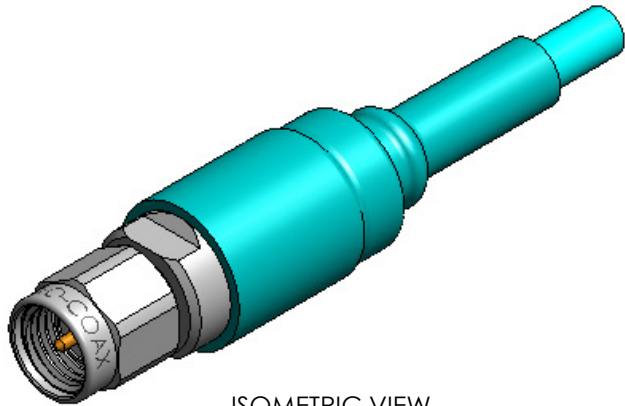
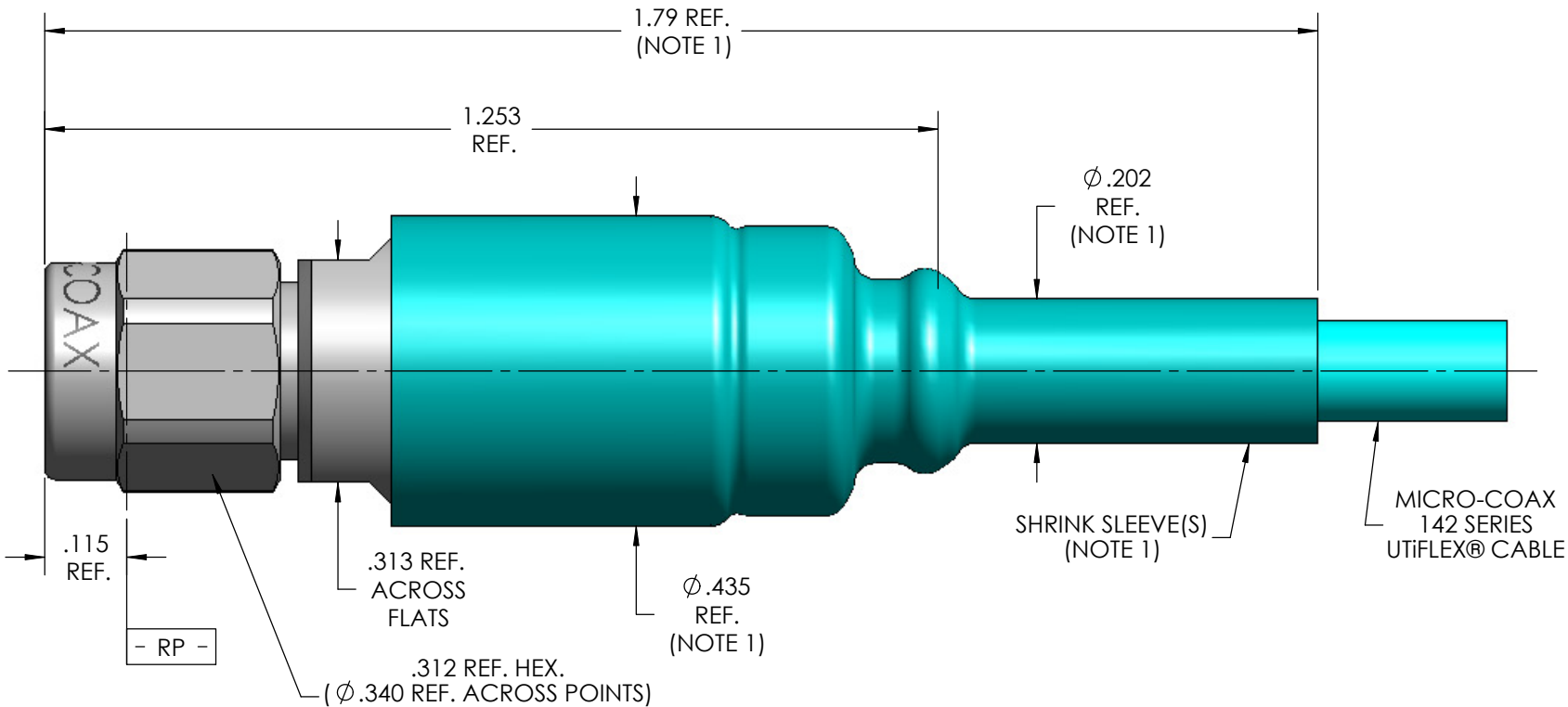


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	3 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS SHEET 1	10.29 GRAMS NOM.
MASS SHEET 2	12.98 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	600 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	150 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	400 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 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
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
MATERIALS AND FINISH	
BODY, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 OR SAE-AMS
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
INSULATOR & DIELECTRIC STOP	TFE FLUOROCARBON PER ASTM-D-1710
GASKET	SILICONE RUBBER PER A-A-59588 (ZZ-R-765), TYPE1, GRADE 70
CONTACT RING	BRASS, PER ASTM-B-16 GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
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)	142 SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	300
CONNECTOR CODE SHEET 2	3G0

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



ISOMETRIC VIEW  
SCALE 2:1



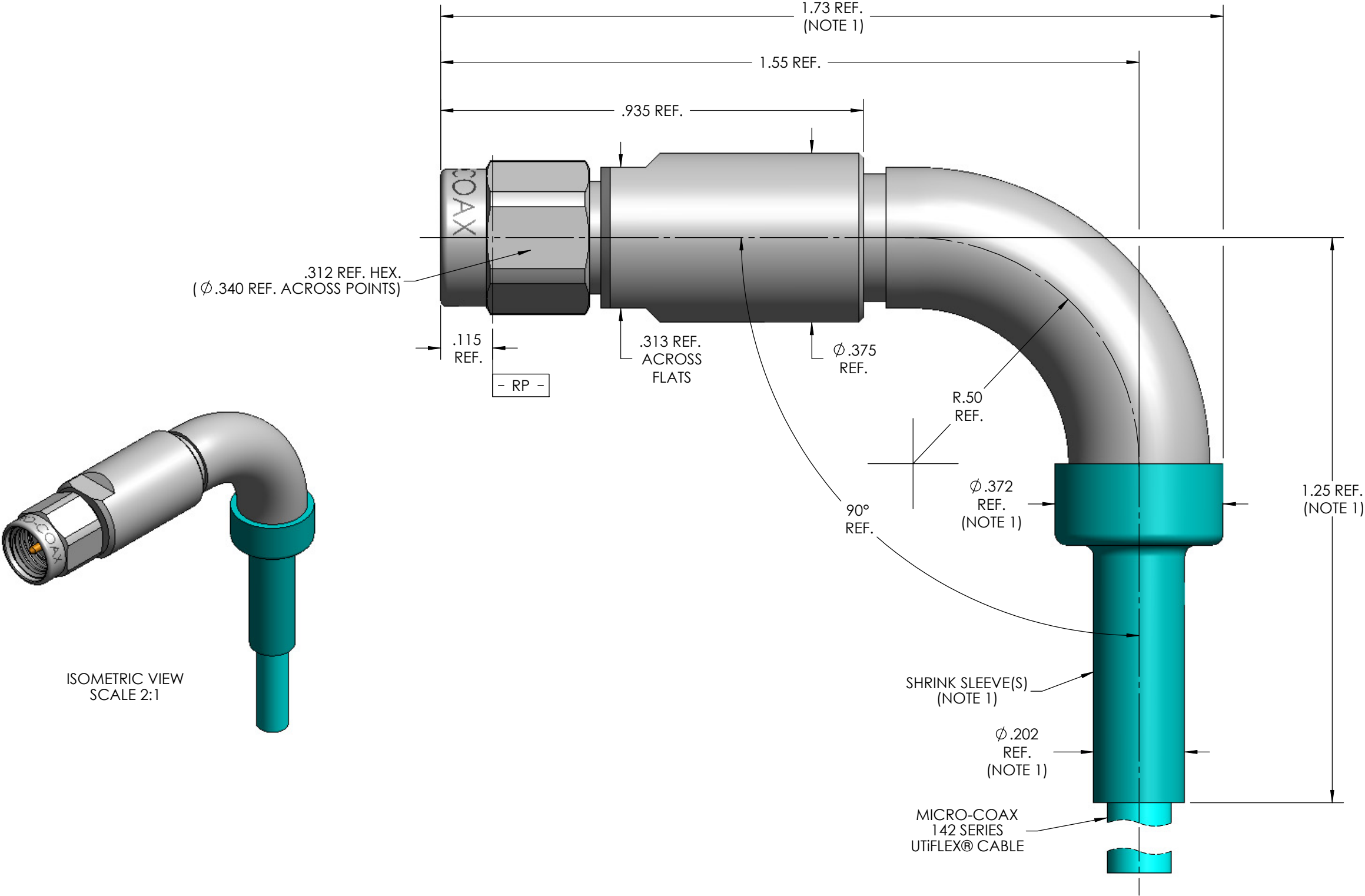
NOTE:

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

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE	1/14/2005	SRS	DBK	-
2	ADDED MASS SPEC.	12/5/2006	JMK	RS	-
3	ECO 135475	9/30/2013	MJM	RS	CCF
4	ECO 135564	11/26/2013	MJM	RS	CCF

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&lt;&lt;&lt;</div> <div>PROVEN RELIABLE</div>					
		DWN.	SRS	1/14/05							
		CHKD.	CCF	10/2/13							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		SMA PLUG, 142 SERIES CABLE									
.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	SD903037	4		
.XXXX	± .0010										
ANGLES	±2°										



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		<div>MICRO-COAX</div> <div>PROVEN RELIABLE</div>			
		DWN.	SRS	1/14/05					
		CHKD.	CCF	10/2/13					
.XX	± .02	APPVD.				TITLE SMA PLUG, 90° ELBOW, 142 SERIES CABLE			
.XXX	± .005								
.XXXX	± .0010								
ANGLES	± 2°								
				FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.
				64639	B	4:1	2 OF 2	SD903037	4