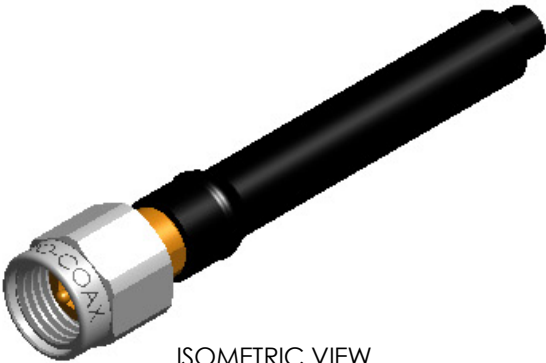
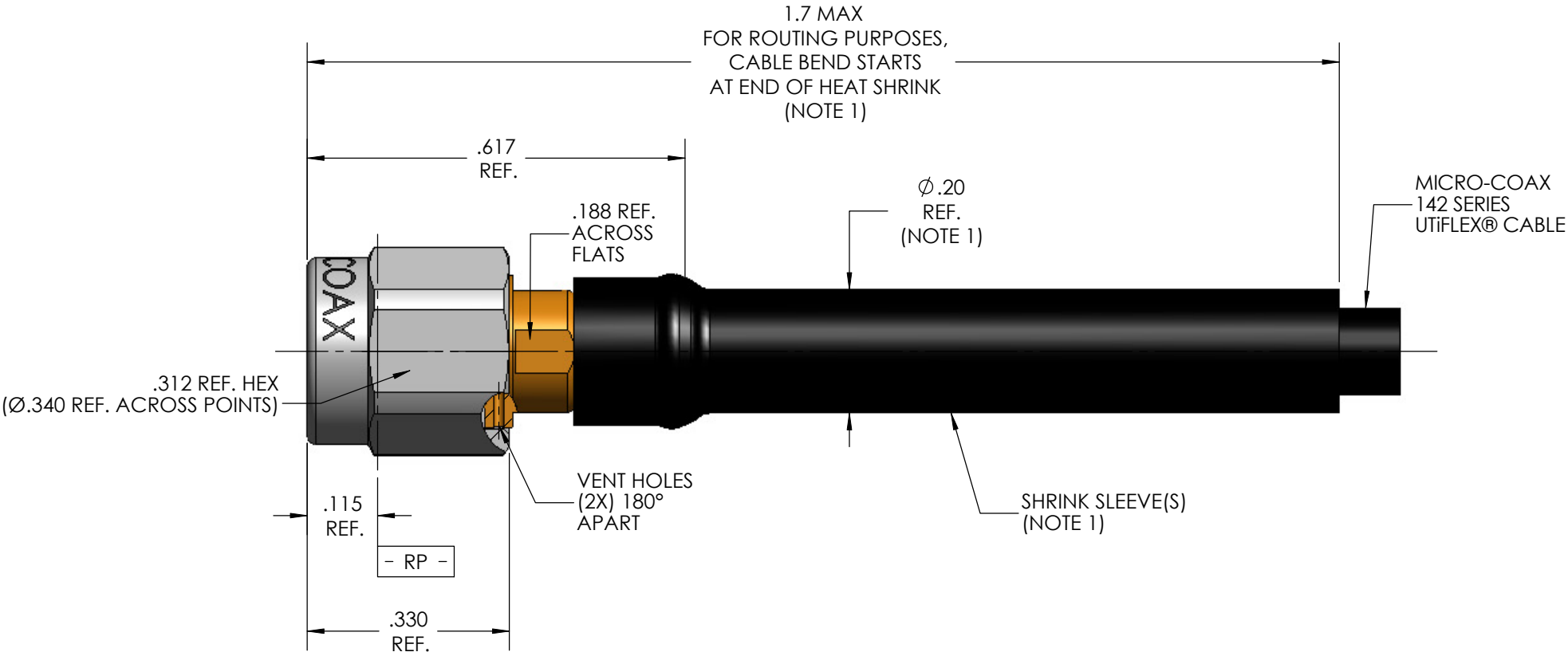


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 323.1
SLANT SHEET	IEEE P287 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	2.57 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 26.5 GHz	1.16:1 MAX.
26.5 - 40 GHz	1.20:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	975 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 34 GHz	-80 dB MIN.
34 GHz - 40 GHZ	-70 dB MIN.
CORONA	250 Vrms MIN. @ 70,000 feet
RF HIGH POTENTIAL	650 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 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	
BODY, CONTACT, SLEEVE	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
RETAINING RING	BERYLLIUM COPPER, UNS NO.C17200, PER ASTM-B-197
APPLICATION	
CABLE(S)	142 SERIES
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	20V
CONNECTOR CODE SHEET 2	2QV

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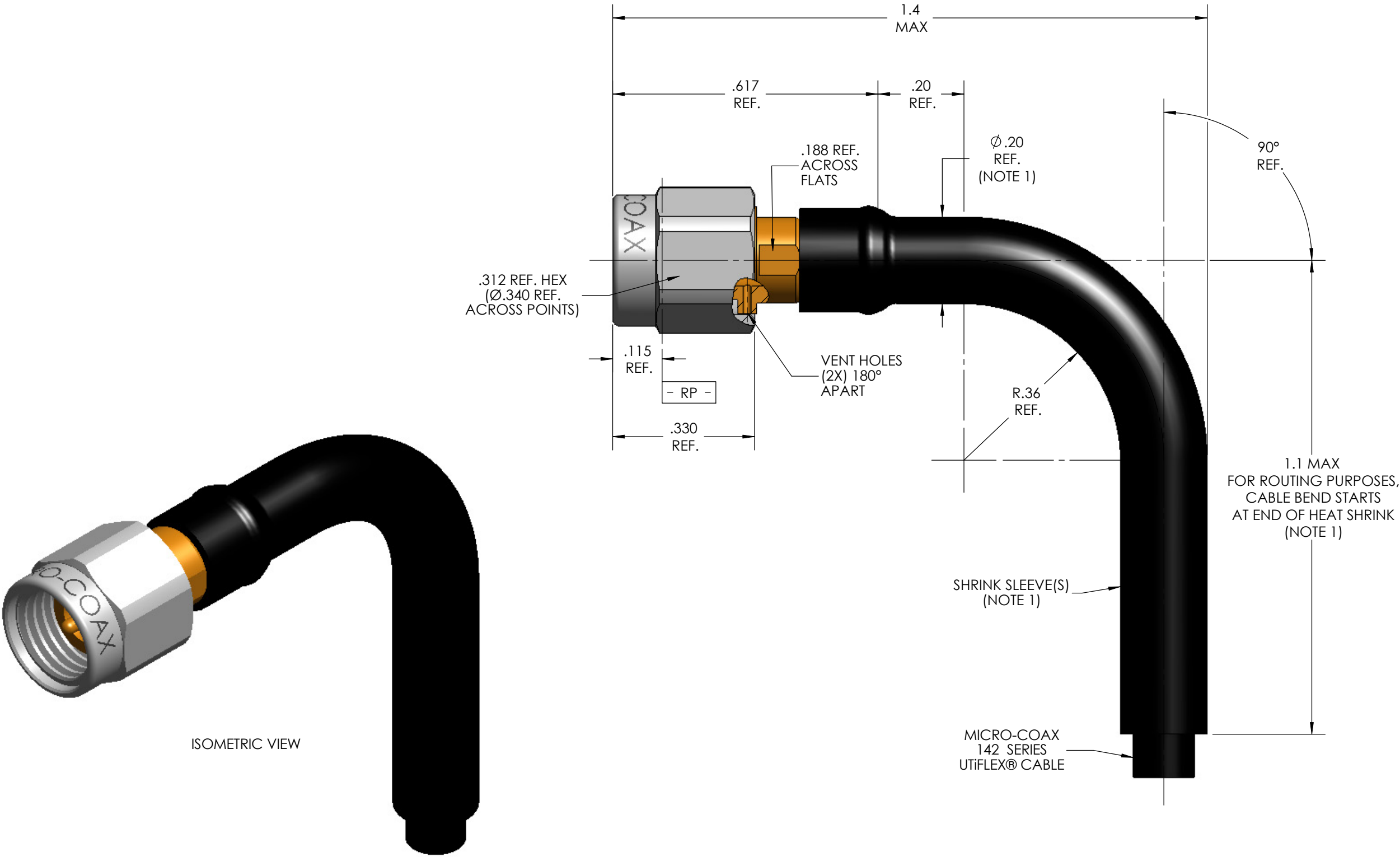
ISOMETRIC VIEW
SCALE 2:1



NOTE:

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 904142-EM (EQUIPMENT MODEL).
3. SEE SHEET 2 FOR HEAT SHRINK FORMED ELBOW CONFIGURATION.

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		DWN.	JMK	9/22/04							
		CHKD.	CCF	7/27/11							
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE									
		2.92MM PLUG, VENT HOLES, 142 SERIES, 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										
.XXXX	± .0010										
ANGLES	± 2°										
		64639				B	4:1	1 OF 2	SD904142	B	



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		DWN.	JMK	9/22/04					
		CHKD.	CCF	7/27/11					
		APPVD.							
.XX	± .02	TITLE		2.92MM (K) PLUG, VENT HOLES, 142 SERIES, HEAT SHRINK FORMED ELBOW, SPACE GRADE					
.XXX	± .005								
.XXXX	± .0010								
ANGLES	± 2°								
				FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.
				64639	B	4:1	2 OF 2	SD904142	B