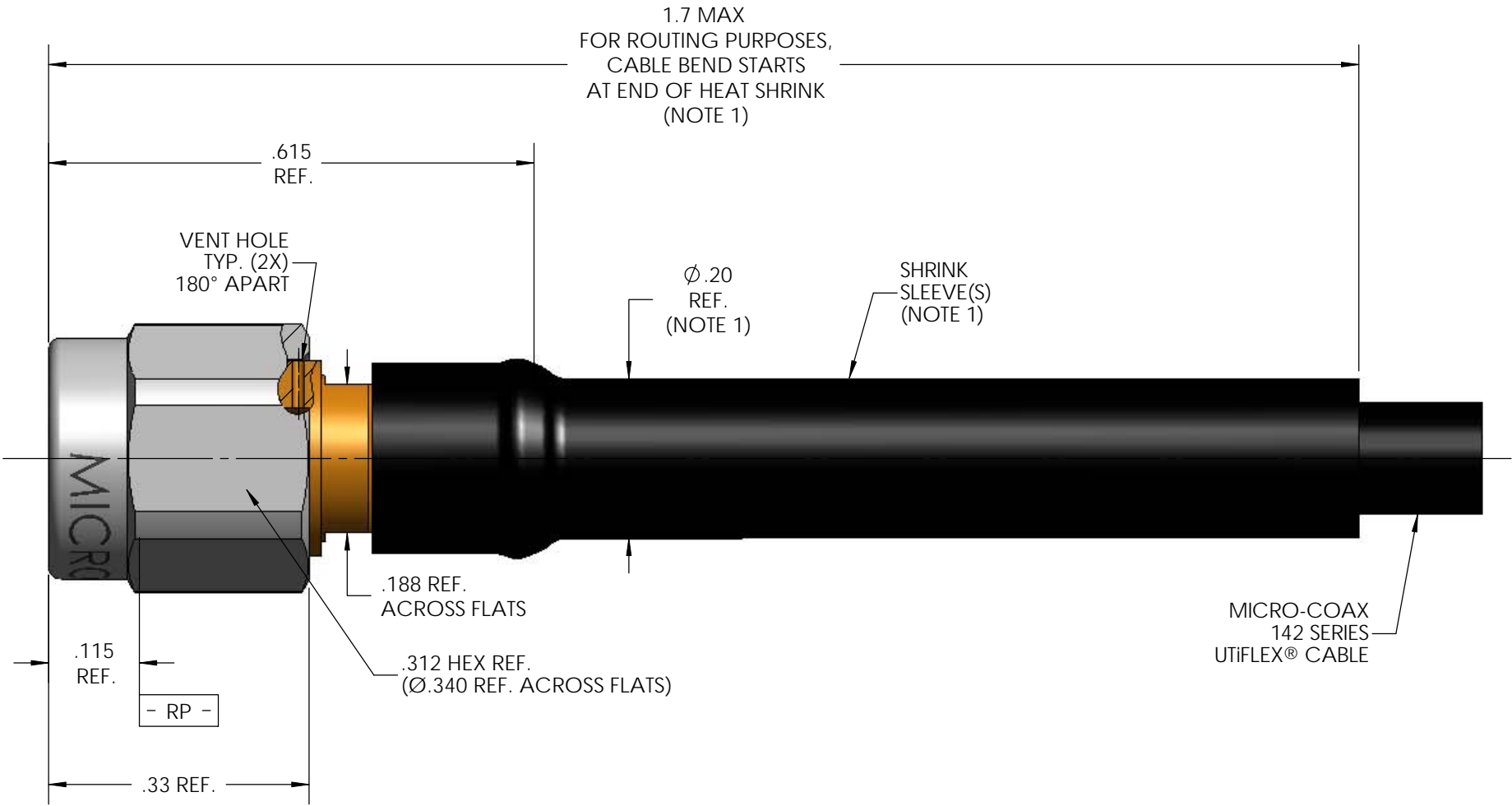


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.56 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	30 GHz
VSWR DC - 22 GHz	1.16:1 MAX.
22 GHz - 30 GHz	1.25:1 MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1200 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 22 GHz	-80 dB MIN.
CORONA	300 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	800 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 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	
COUPLING NUT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
BODY & 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	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205
APPLICATION	
CABLE(S)	142 SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	30V
CONNECTOR CODE SHEET 2	3QV

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REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	2/16/2005	JMK	RS
A1	ECO 115219	4/12/2011	MJM	RS
A2	ECO 115401	7/11/2011	MJM	RS
B	ECO 135460	9/19/2013	MJM	RS

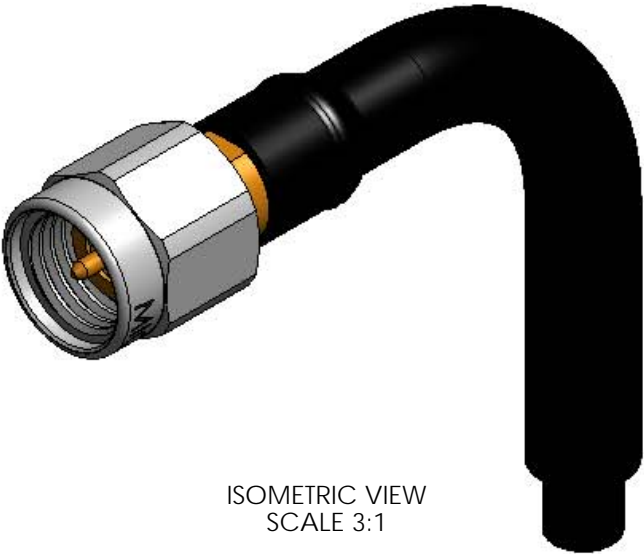
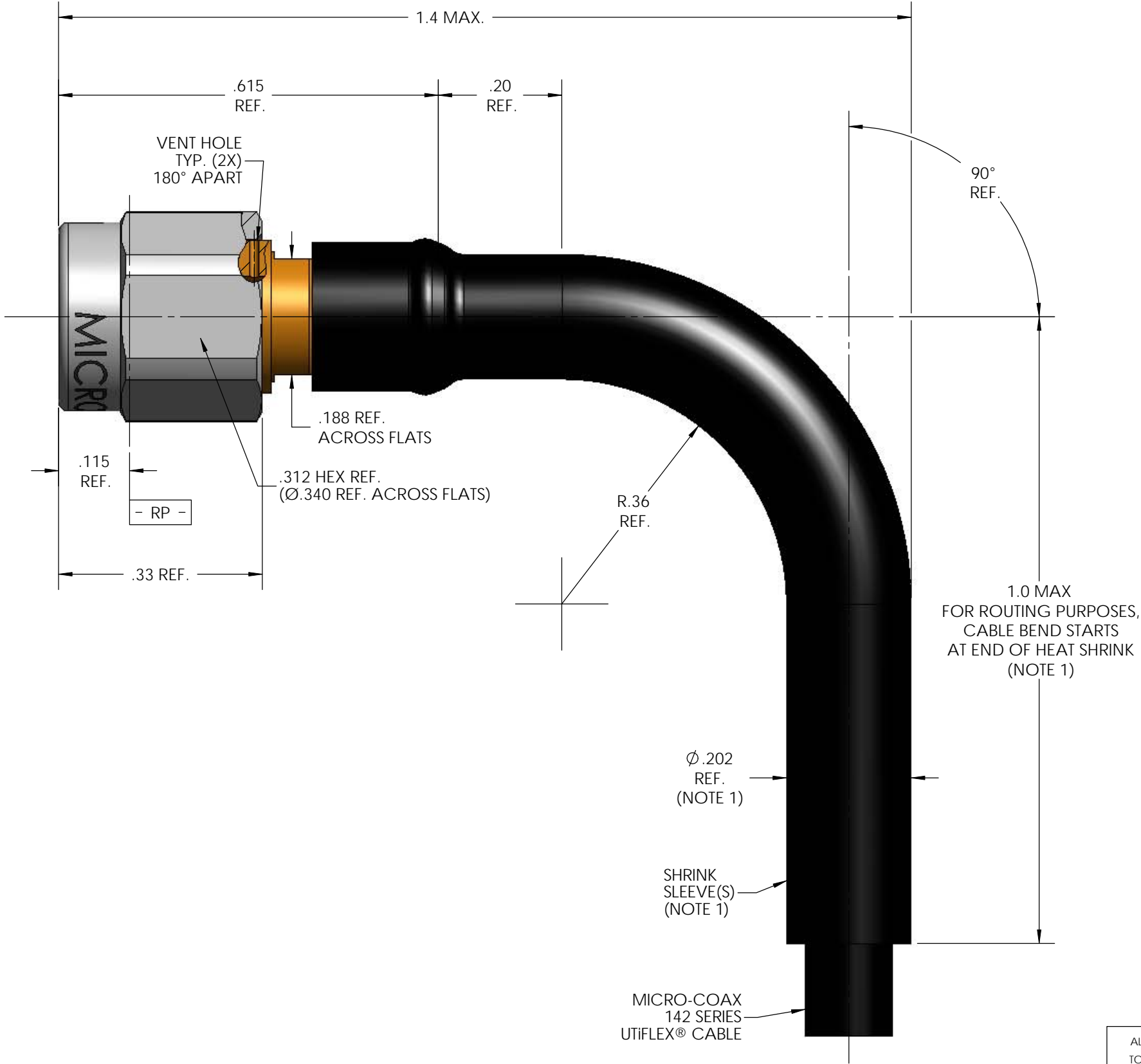


NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. SEE SHEET 2 FOR HEAT SHRINK FORMED ELBOW CONFIGURATION.
3. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 904133-EM (EQUIPMENT MODEL).

SPECIFICATION DRAWING

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		DWN.	JMK	9/7/04						
		CHKD.	CCF	9/20/13						
		APPVD.								
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE								
		SMA PLUG, 142 SERIES CABLE, VENTED, 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			64639	B	5:1	1 OF 2	SD904133	B	
.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.	JMK	9/7/04					
		CHKD.	CCF	9/20/13					
.XX	± .02	APPVD.				TITLE SMA PLUG, 142 SERIES CABLE, VENTED, HEAT SHRINK FORMED ELBOW, SPACE GRADE			
.XXX	± .005								
.XXXX	± .0010								
ANGLES	± 2°								
		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.		
		64639	B	5:1	2 OF 2	SD904133	B		