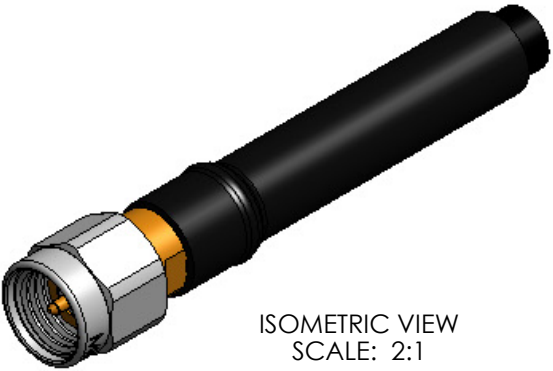
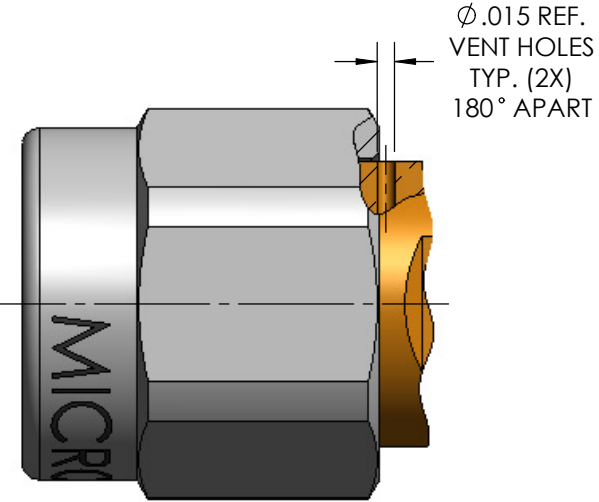


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.69 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	33 GHz
VSWR DC - 3 GHz	1.05:1 MAX.
3 - 7 GHz	1.07:1 MAX.
7 - 12.4 GHz	1.08:1 MAX.
12.4 - 18 GHz	1.12:1 MAX.
18 - 26.5 GHz	1.2:1 MAX.
26.5 - 33 GHz	1.25:1 MAX.
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1025 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
18 - 33 GHz	-70 dB MIN.
CORONA	260 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	675 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	
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT & BODY	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
INSULATOR & DIELECTRIC STOP	TFE FLUOROCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	MCJ185A SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	30V
CONNECTOR CODE SHEET 2	3QV

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

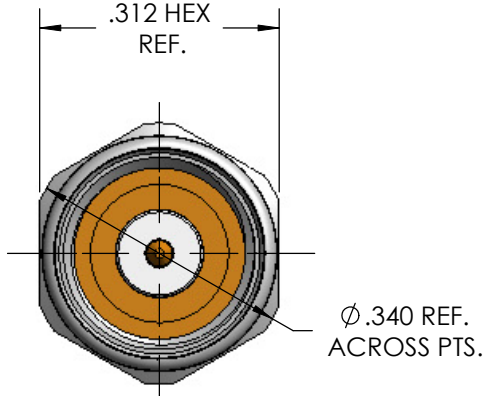


ISOMETRIC VIEW
SCALE: 2:1



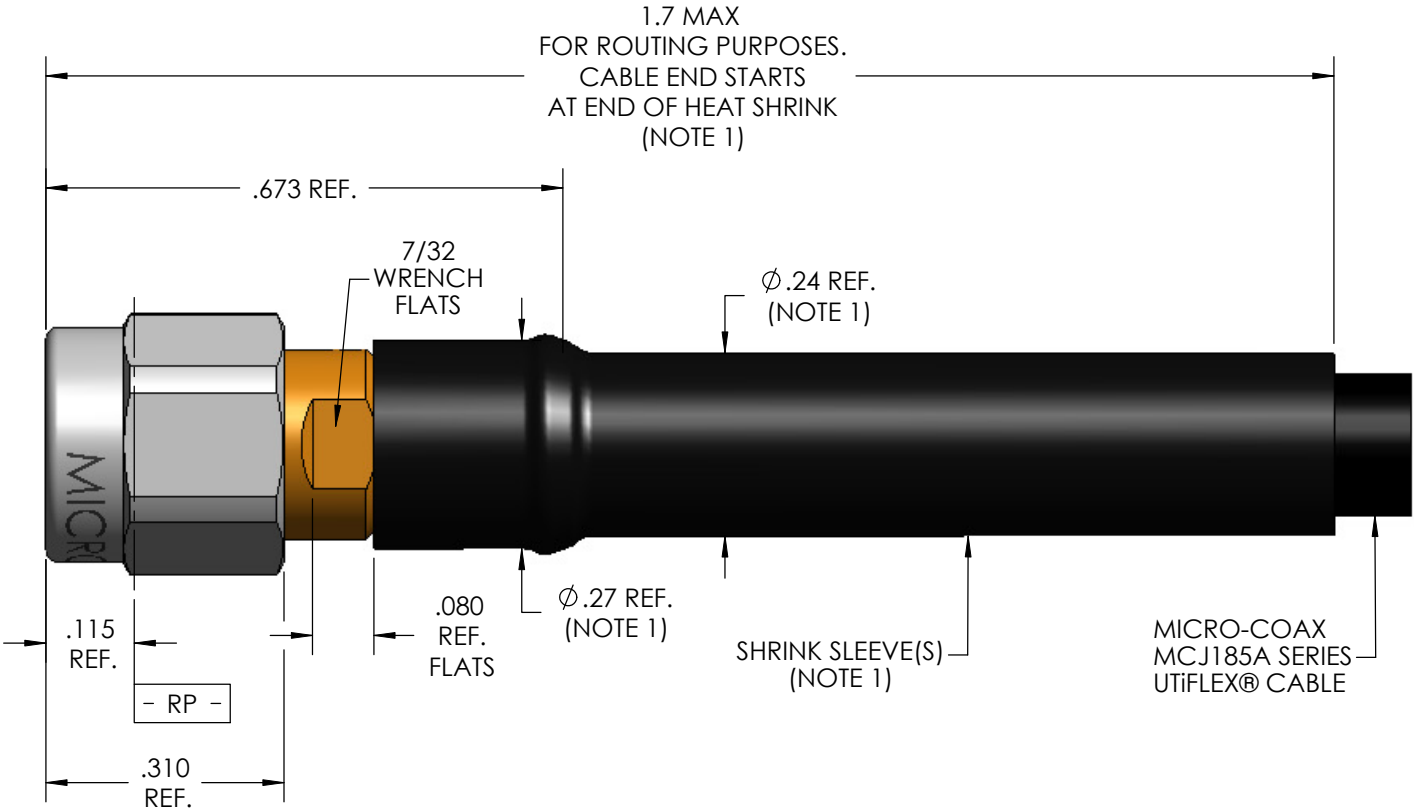
DETAIL VIEW OF VENT HOLES
SCALE: 6:1

Ø.015 REF.
VENT HOLES
TYP. (2X)
180° APART



Ø.340 REF.
ACROSS PTS.

.312 HEX
REF.



1.7 MAX
FOR ROUTING PURPOSES.
CABLE END STARTS
AT END OF HEAT SHRINK
(NOTE 1)

.673 REF.

7/32
WRENCH
FLATS

Ø.24 REF.
(NOTE 1)

Ø.27 REF.
(NOTE 1)

.080
REF.
FLATS

SHRINK SLEEVE(S)
(NOTE 1)

MICRO-COAX
MCJ185A SERIES
UTIFLEX® CABLE

.115
REF.

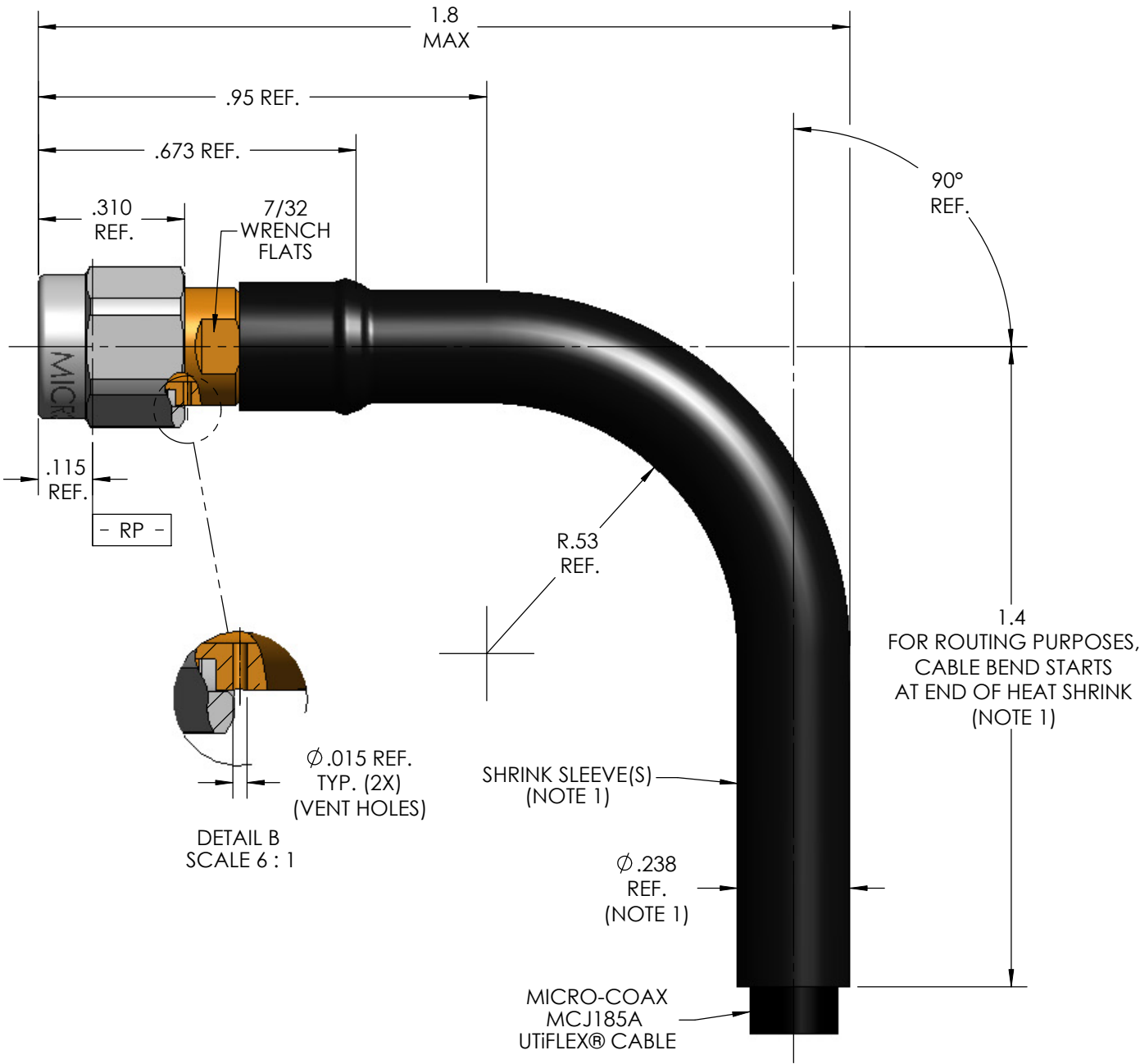
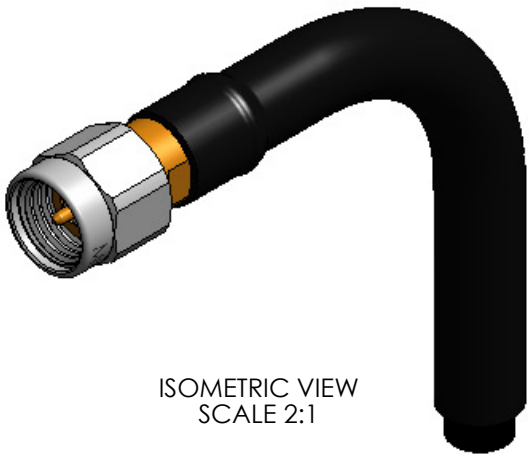
.310
REF.

- RP -

NOTES:

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 905286-EM (EQUIPMENT MODEL).

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						
	DWN.	MJM	9/5/13						
	CHKD.	MJR	9/5/13						
	APPVD.								
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE		<div><div>MICRO-COAX</div><div>PROVEN RELIABLE</div></div>					
.XX ± .02		SMA PLUG, HIGH FREQUENCY, VENT HOLES , MCJ185A, SPACE GRADE							
.XXX ± .005									
.XXXX ± .0010									
ANGLES ±2°									
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	
		64639	B	4:1	1 OF 2	SD905286		B	



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.	MJM	9/5/13					
		CHKD.	MJR	9/5/13					
.XX	± .02	APPVD.				TITLE SMA PLUG, HIGH FREQUENCY, VENT HOLES, MCJ185A, HEAT SHRINK FORMED ELBOW, SPACE GRADE			
.XXX	± .005								
.XXXX	± .0010								
ANGLES	± 2°								
		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.		
		64639	B	3:1	2 OF 2	SD905286	B		