MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 310-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/59 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
RECOMMENDED JAM NUT TORQUE	12 - 15 IN-LBS.
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)	2 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	20 LBS MIN.
MASS	16.66 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1350 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	340 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	900 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 (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

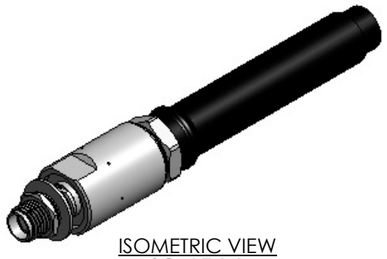
CONTACT & CONTACT RING	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
BODY & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC BEAD(S)	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
WASHER	STEEL, CORROSION RESISTANT, PER ASTM-A-240, UNS NO. S30400, PASSIVATE PER ASTM-A-967
LOCKNUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATE PER MIL-DTL-45204, OVERNICKEL PLATE PER AMS-QQ-N-290

APPLICATION

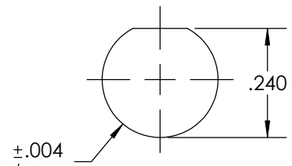
CABLE(S)	293/311 SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	32V
CONNECTOR CODE SHEET 2	3TV

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

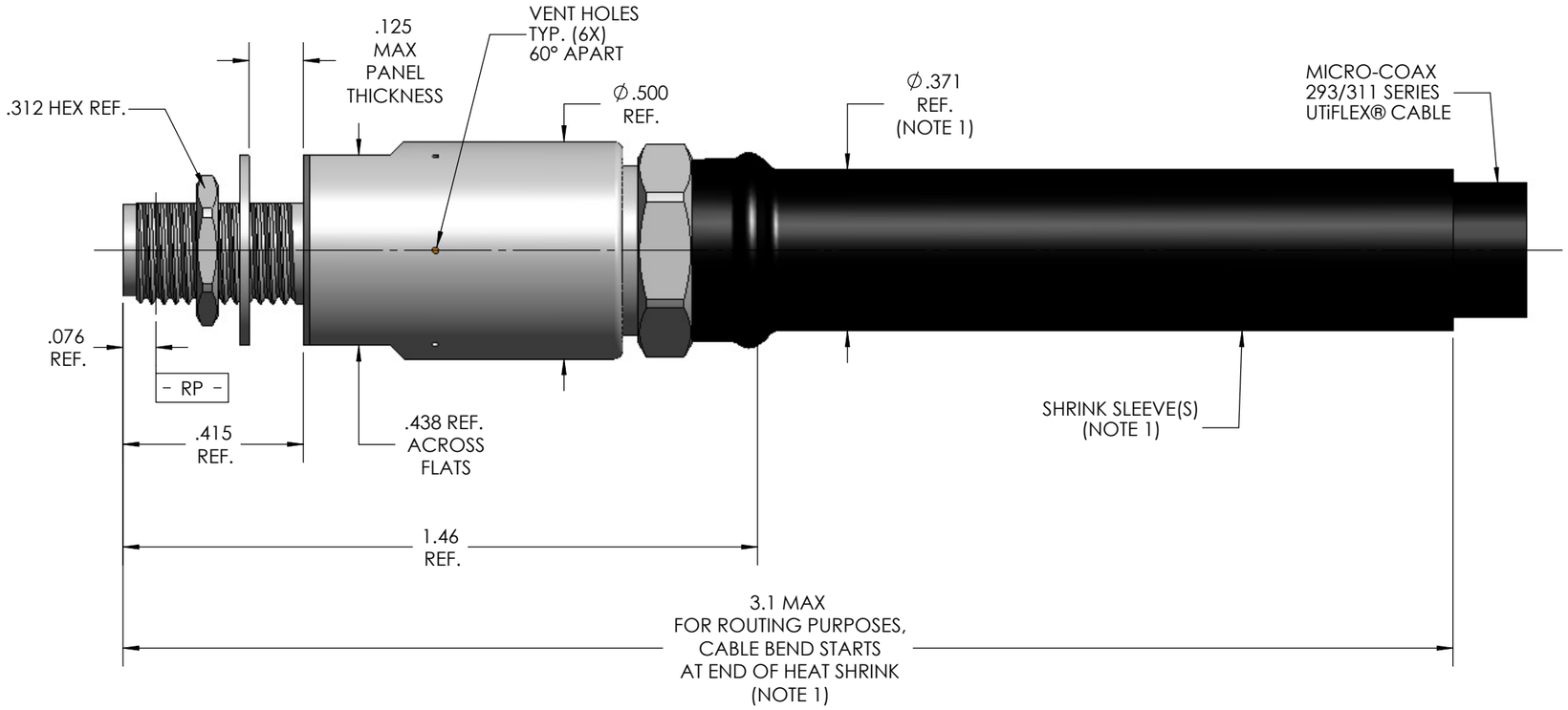
REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE - RDCR 107013	3/16/2011	MJM	MJR
A1	ECO 115403	7/11/2011	MJM	RS
B	ECO 135033	1/25/2013	MJM	RS



ISOMETRIC VIEW
SCALE 1:1



RECOMMENDED
MOUNTING HOLE



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 905067-EM (EQUIPMENT MODEL).
3. SEE SHEET 2 FOR HEAT SHRINK FORMED ELBOW CONFIGURATION.

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	CCF	6/9/10
CHKD.	CCF	1/30/13
APPVD.		

MICRO-COAX®
Leading the way in transmission line solutions.

TOLERANCES UNLESS OTHEWISE SPECIFIED	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	± 2°

TITLE: SMA BULK HEAD JACK, VENT HOLES, 293/311 SERIES CABLE, SPACE GRADE

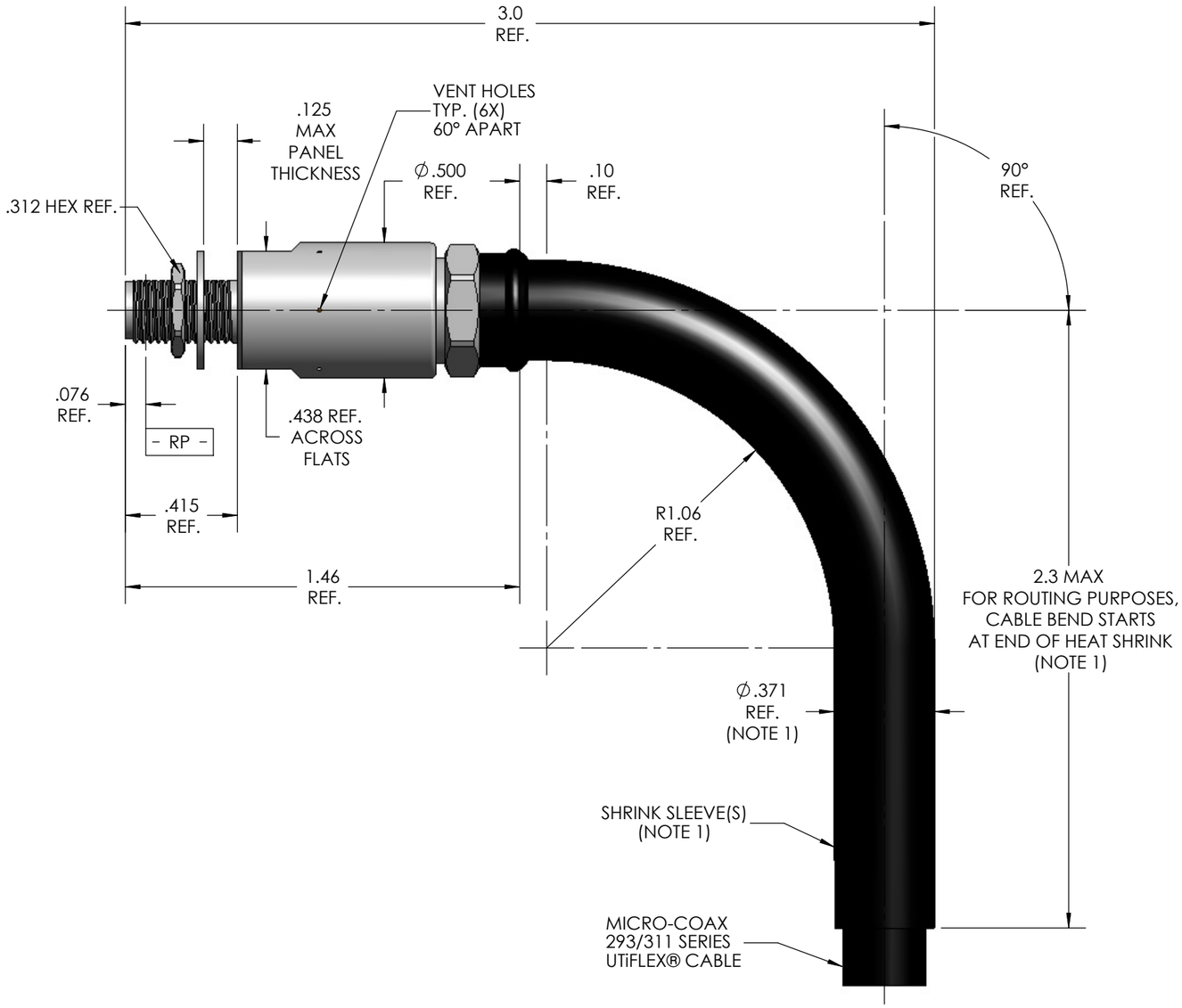
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.

FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
64639	B	3:1	1 OF 2	SD905067	B

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

DESCRIPTION
SEE SHEET 1 FOR REVISION HISTORY

ISOMETRIC VIEW
SCALE 2:1



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.	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	± 2°

	INITIALS	DATE
DWN.	CCF	6/9/10
CHKD.	CCF	1/30/13
APPVD.		

MICRO-COAX®
Leading the way in transmission line solutions.

TITLE: SMA BULK HEAD JACK, VENT HOLES, HEAT SHRINK FORMED ELBOW, 293/311 SERIES CABLE, SPACE GRADE

FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.
64639	B	3:1	2 OF 2	SD905067	B