REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - RDCR 137007	1/26/2015	MJM	RS	NDS
B	ECO 155456	8/26/2015	MJM	RS	CCF

MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 328-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	N/A
FORCE TO ENGAGE (FULL DETENT, SMOOTH BORE)	5.0, 4.0 LBS. MAX.
FORCE TO DISENGAGE (FULL DETENT, SMOOTH BORE)	4.0, 0.5 LBS. MIN.
DURABILITY	100 CYCLES MIN.
MISALIGNMENT	±.012 RADIAL, .000/.007 AXIAL
CABLE RETENTION	5 LBS. MIN.
MASS	0.25 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 3 GHz	1.05:1 MAX
3 GHz - 8 GHz	1.08:1 MAX
8 GHz - 12.4 GHz	1.12:1 MAX
12.4 GHz - 18 GHz	1.16:1 MAX
18 GHz - 26.5 GHz	1.25:1 MAX
26.5 GHz - 32 GHz	1.35:1 MAX
32 GHx - 40 GHz	1.35:1 MAX
INSERTION LOSS	0.03 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	600 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 12.4 GHz	-65 dB MIN.
12.4 - 18 GHz	-60 dB MIN.
CORONA	160 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	400 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 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%

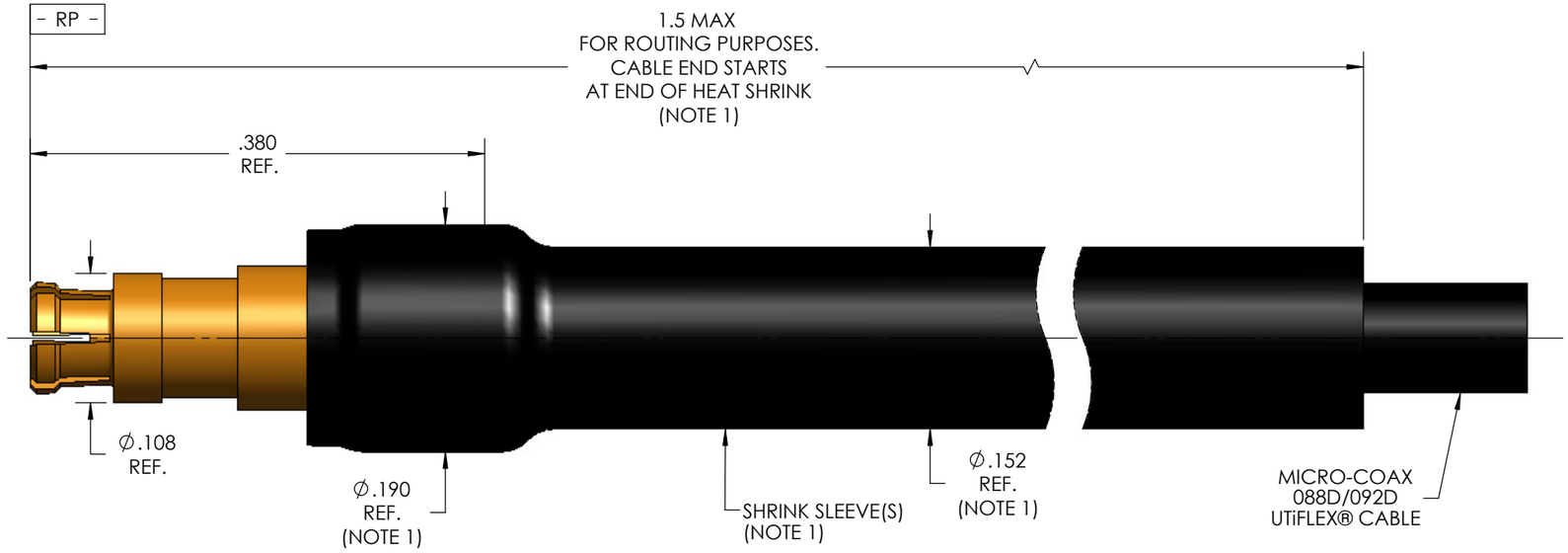
MATERIALS AND FINISH

CONTACT & BODY	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEAD & DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205

APPLICATION

CABLE(S)	088D/092D SERIES CABLE
INSTALLATION	PER CONFIGURATOR
CONNECTOR CODE SHEET 1	Q10
CONNECTOR CODE SHEET 2	QR0

ISOMETRIC VIEW
SCALE 4:1



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 905243-EM (EQUIPMENT MODEL).
3. SEE SHEET 2 FOR HEAT SHRINK FORMED ELBOW CONFIGURATION.

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	MJM	11/28/12
CHKD.	CCF	8/31/15
APPVD.		

MICRO-COAX
PROVEN RELIABLE

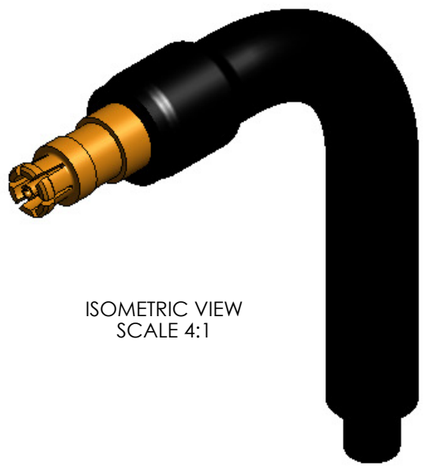
TOLERANCES UNLESS OTHEWISE SPECIFIED	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	±2°

TITLE: SMPM SOCKET, 088D/092D CABLE, SPACE GRADE

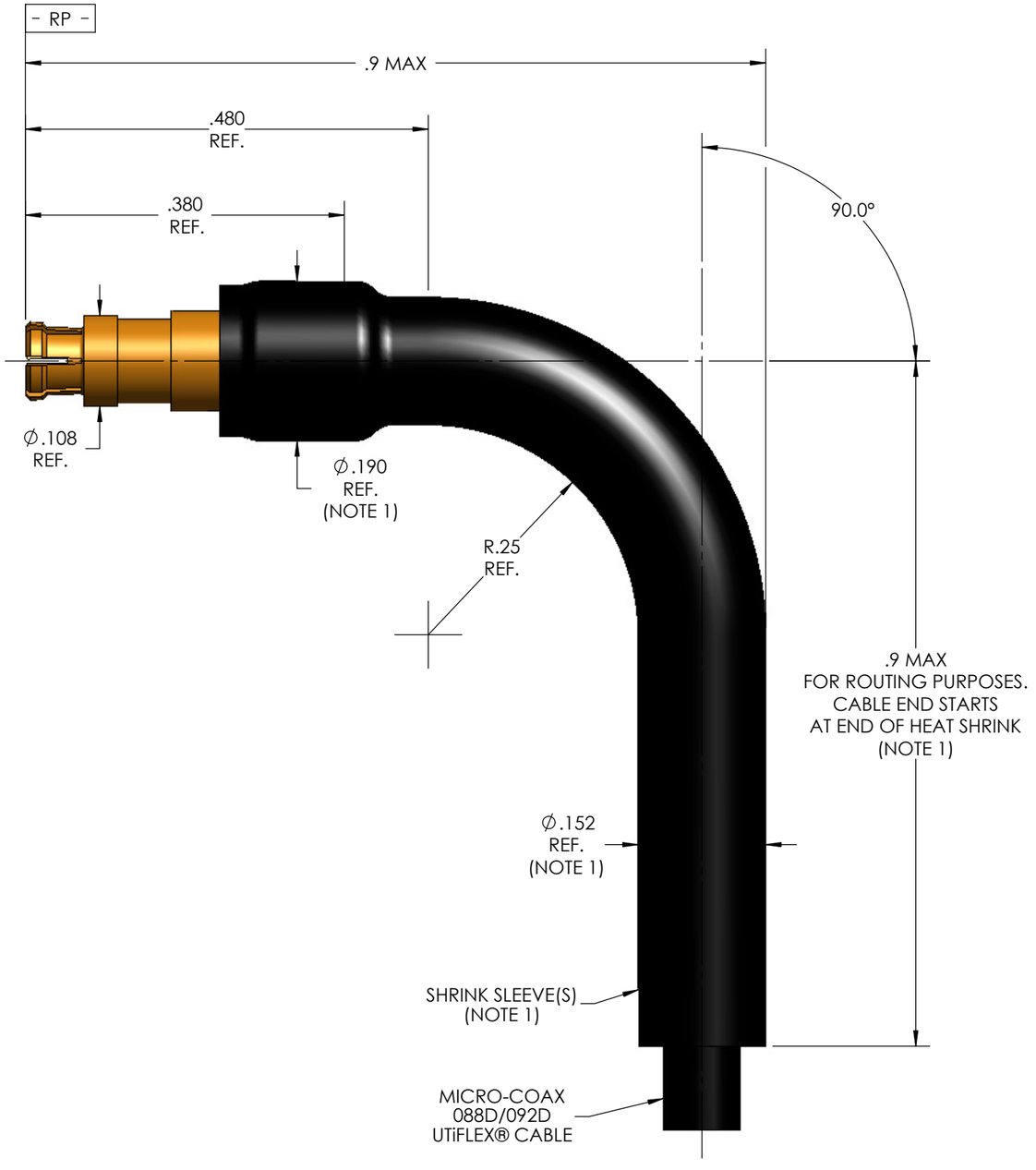
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.	FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
	64639	B	8:1	1 OF 2	SD905243	B

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

DESCRIPTION
SEE SHEET 1 FOR REVISION HISTORY



ISOMETRIC VIEW
SCALE 4:1



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.		INITIALS	DATE
		DWN. MJM	11/28/12
		CHKD. CCF	8/31/15
.XX	± .02	APPVD.	
.XXX	± .005		
.XXXX	± .0010		
ANGLES	± 2°		

MICRO-COAX PROVEN RELIABLE

TITLE: SMPM SOCKET, HEAT SHRINK FORMED ELBOW, 088D/092D, SPACE GRADE

FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV.
64639	B	8:1	2 OF 2	SD905243	B