MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 328-3
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	N/A
FORCE TO ENGAGE	1.0 LBS. MAX.
FLOAT MOUNT TRAVEL (AXIAL)	0.100 MIN. TRAVEL
FLOAT MOUNT SPRING FORCE MIN.	1.7 LBS. (START TRAVEL)
FLOAT MOUNT SPRING FORCE MAX.	9.0 LBS. (AT MAX TRAVEL)
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.22 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.5 GHz	1.12:1MAX.
12.5 - 18 GHz	1.14:1MAX.
INSERTION LOSS	0.03 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	600 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 6 GHz	-70 dB
6 - 18 GHz	-55 dB
CORONA	130 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	325 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 F
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

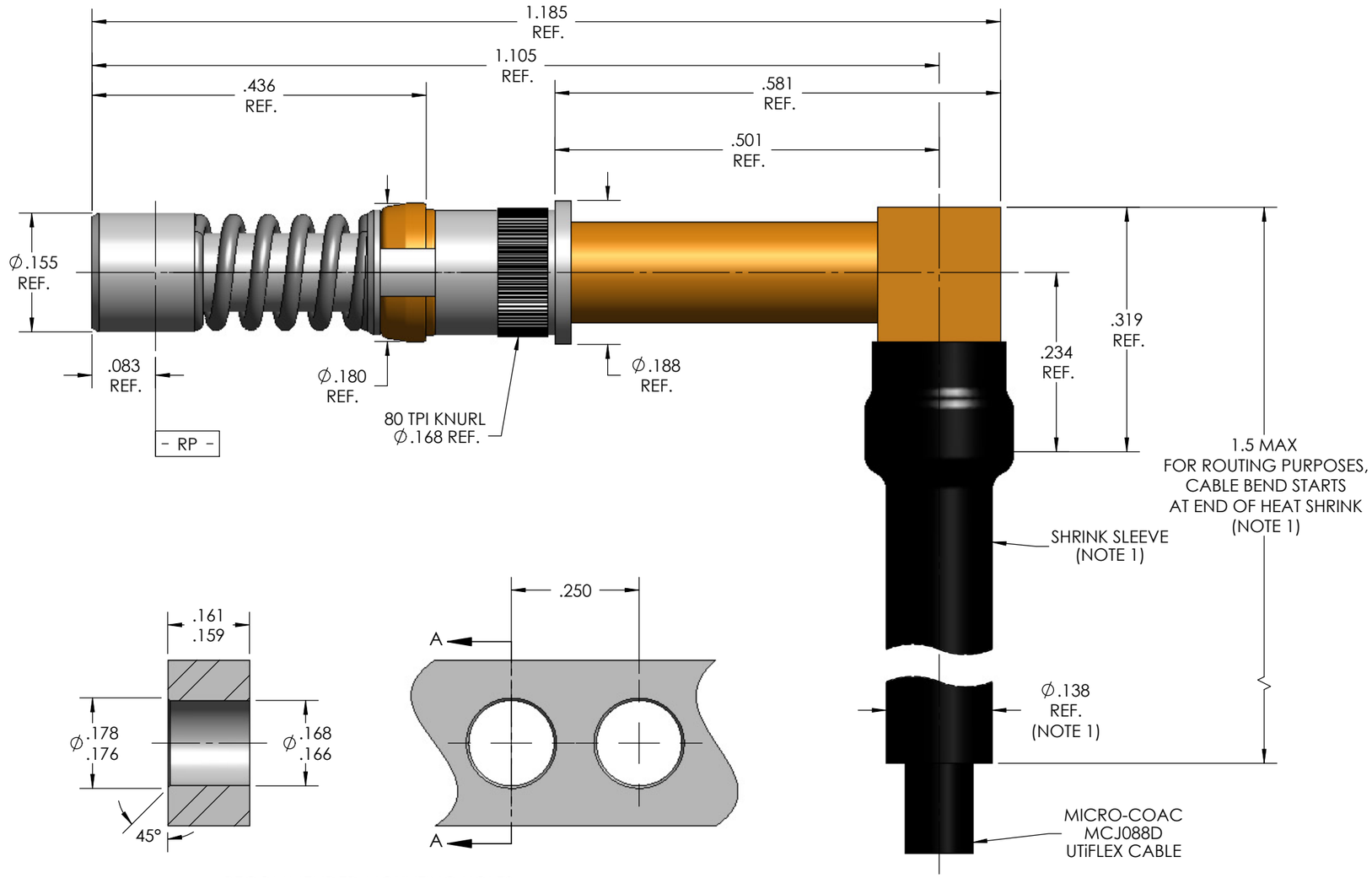
REAR BODY, CONTACTS & SPRING CLIP	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEADS	POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358
FLOAT MOUNT SLEEVE & SHROUD	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
SPRING	STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PERASTM-A-967
END CAP	BRASS, PER ASTM-B-36 GOLD PLATE PER MIL-DTL-45204, OVERCOPPER PLATE PER MIL-C-14550

APPLICATION

CABLE(S)	MCJ088D SERIES CABLE
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV	DESCRIPTION	DATE	BY	APPVD
1	PRELIMINARY RELEASE - RDCR 117030	11/9/2011	CCF	RS
2	REVISE VIEW, ADD DIM NOTES	2/21/2012	MJM	CCF
3	CHANGED THE SHIELDING SPEC TO TBD	3/30/2012	CCF	RS
4	CHANGED DWV TO 600 Vrms. MIN, RF LEAKEAGE TO -60dB, AND VSWR SPEC UPTO 18GHz ONLY	6/4/2012	CCF	RS
5	UPDATED VSWR AND RF LEAKAGE PER PROTOTYPE TESTING DATA	7/9/2012	CCF	RS
6	ECO 125408	7/30/2012	MJM	RS



RECOMMENDED MOUNTING HOLES

SPECIFICATION DRAWING

NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

	INITIALS	DATE
DWN.	CCF	11/9/11
CHKD.	CCF	2/29/12
APPVD.		

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

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

TITLE: SMPM, RIGHT ANGLE MALE, CATCHERS MITT, FLOAT MOUNT,MCJ088D, 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	6:1	1 OF 1	SD905123	6