

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	2.08 GRAMS NOM.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.5 GHz	1.12:1 MAX.
12.5 - 18 GHz	1.14:1 MAX.
INSERTION LOSS	0.03 \sqrt{F} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	600 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 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.

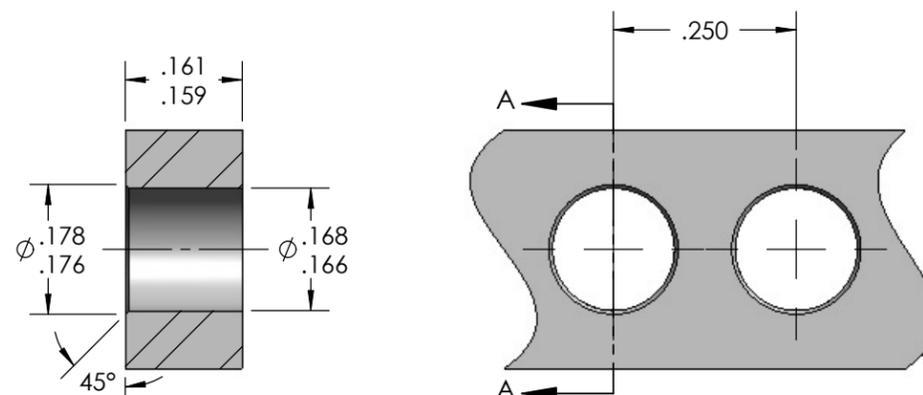
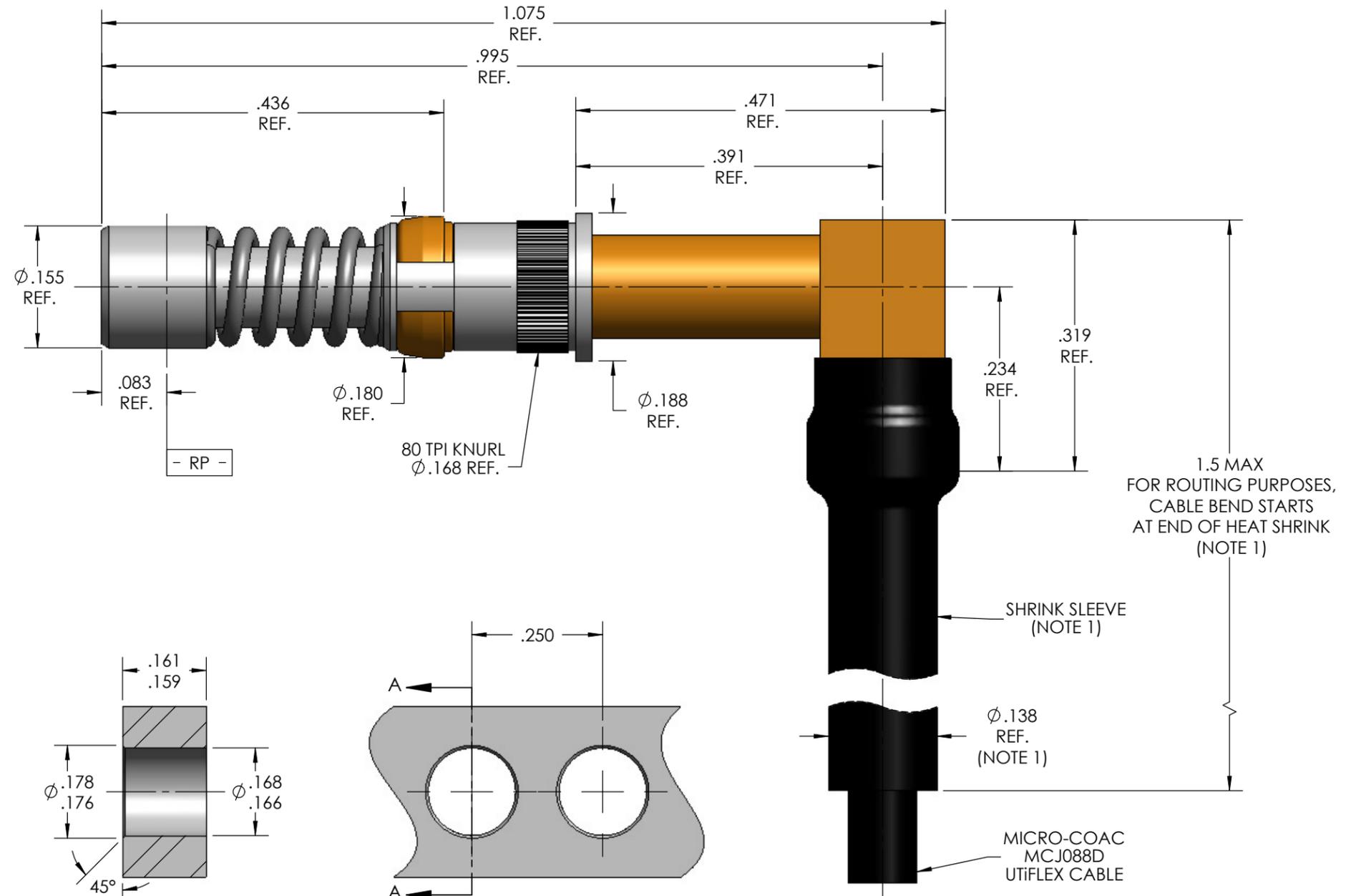
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-100°C TO 150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION F
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

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 PER ASTM-A-967
END CAP	BRASS, PER ASTM-B-36, GOLD PLATE PER MIL-DTL-45204, OVER COPPER PLATE PER MIL-C-14550

APPLICATION	
CABLE(S)	MCJ088D SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD
1	PRELIMINARY RELEASE - RDCR 117030	11/9/2011	CCF	RS
2	REVISE VIEW, ADD DIM NOTES	3/1/2012	MJM	CCF
3	CHANGED THE SHIELDING SPEC TO TBD	3/30/2012	CCF	RS
4	CHANGED DWV TO 600 Vrms. MIN, RF LEAKAGE 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	7/31/2012	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.

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	DWN. CCF	11/9/11						
	CHKD. CCF	3/1/12						
	APPVD.							
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE		SMPM, RIGHT ANGLE MALE, CATCHERS MITT, FLOAT MOUNT, MCJ088D, 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	6:1	1 OF 1	SD905124	6
.XXXX ±.0010								
ANGLES ±2°								