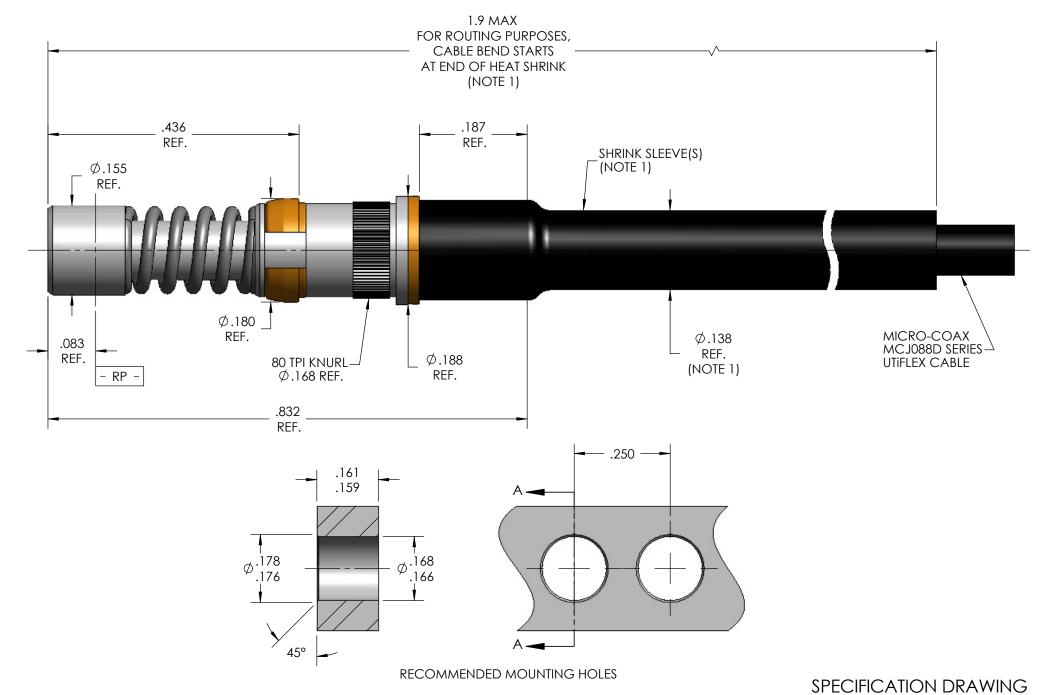
MECHANICA	L CHARACTERISTICS
NTERFACE	MIL-STD-348, FIGURE 328-3
N ACCORDANCE WITH THE INTENT OF SLANT SHEET	N/A
FORCE TO ENGAGE	1.0 LBS. MAX.
FLOAT MOUNT TRAVEL (AXIAL)	0.100 MIN. TRAVEL
FLOAT MOUNT SPRING FORCE MIN.	1.7 LBS. (START TRAVEL)
FLOAT MOUNT SPRING FORCE MAX.	9.0 LBS. (AT MAX TRAVEL)
DURABILITY	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	1.23 GRAMS NOM.
ELECTRICAL	CHARACTERISTICS
AADED ANCE	FO Olegon NIONA
MPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	26.5 GHz
VSWR DC - 18 GHz	1.12:1MAX.
18 GHz - 26.5 GHz	1.25:1 MAX
NSERTION LOSS	0.03 VF (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	600 Vrms MIN.
NSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 10 GHz	-60 dB
10 - 18 GHz	-50 dB
CORONA	130 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	325 Vrms MIN.
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER)	6.0 MilliOhms MAX. 2.0 MilliOhms MAX.
ENVIRONMENT	AL 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
	MIL-STD-202, METHOD 107, CONDITION F
THERMAL SHOCK	MIL-31D-202, METHOD 107, CONDITION 1
THERMAL SHOCK CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
CORROSION MATERIA	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER
MATERIA REAR BODY, CONTACT & SPRING CLIP	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. 330300,
MATERIA REAR BODY, CONTACT & SPRING CLIP FLOAT MOUNT SLEEVE & SHROUD	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. \$30300, PASSIVATE PER ASTM-A-967
MATERIA REAR BODY, CONTACT & SPRING CLIP FLOAT MOUNT SLEEVE & SHROUD NSULATOR	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. SIEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. 330300, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710 STEEL, CORROSION RESISTANT, NON-MAGNETIC,
MATERIA REAR BODY, CONTACT & SPRING CLIP FLOAT MOUNT SLEEVE & SHROUD INSULATOR SPRING	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. 330300, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710 STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PERASTM-A-967
MATERIA REAR BODY, CONTACT & SPRING CLIP FLOAT MOUNT SLEEVE & SHROUD INSULATOR SPRING DIELECTRIC BEAD	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. \$30300, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710 STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PERASTM-A-967 POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358
MATERIA REAR BODY, CONTACT & SPRING CLIP FLOAT MOUNT SLEEVE & SHROUD INSULATOR SPRING DIELECTRIC BEAD DIELECTRIC STOP	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. \$30300, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710 STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PERASTM-A-967 POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358
MATERIA REAR BODY, CONTACT & SPRING CLIP FLOAT MOUNT SLEEVE & SHROUD INSULATOR SPRING DIELECTRIC BEAD DIELECTRIC STOP	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710 STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PERASTM-A-967 POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
MATERIA REAR BODY, CONTACT & SPRING CLIP FLOAT MOUNT SLEEVE & SHROUD INSULATOR SPRING DIELECTRIC BEAD DIELECTRIC STOP	MIL-STD-202, METHOD 101, CONDITION B, 5% ALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-Q-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710 STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PERASTM-A-967 POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE - RDCR 117029	11/9/2011	CCF	RS	1
2	ADD MASS TO SPEC TABLE; ADD SPACE GRADE TO DRAWING TITLE	2/29/2012	MJM	CCF	CCF
3 CHANGED THE SHIELDING SPEC TO TBD		3/30/2012	CCF	RS	RS
4	CHANGED DWV TO 600 Vrms. MIN. AND RF LEAKEAGE TO -60dB	6/4/2012	CCF	RS	RS
5	UPDATED VSWR 1.25:1 TO 26.5 GHz; UPDATED RF LEAKAGE -60dB TO 10GHz AND -50dB TO 18GHz PER TEST RESULTS	6/13/2012	CCF	RS	RS
6	FCO 125408	7/30/2012	MJM	RS	CCF



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

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		[(:HKI)	CCF	2/29/12	٦.
		APPVD.			1
	TOLERANCES UNLESS	TITLE	(SMPM, MAL	Ε,

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TOLERANCES UNLESS OTHEWISE SPECIFIED		TITLE SMPM, MALE, CATCHERS MITT, FLOAT MOUNT, MCJ088D, SPACE GRADE						
.XX	± .02	741C30C0D, 317 (CE C1/4)DE				_		
.XXX	± .005	ALL DIMENSIONS IN INCHES UNI ESS OTHERWISE SPECIFIED.	FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
.XXXX	± .0010	SCREW THDS. TO BE IN ACCORD	64639	Ъ	2.1	1 OF 1	SD905122	4
ANGLES	±2°	WITH ANSI B1.1-1989.	04007	D	0.1		30703122	0