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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	ECO 55209	4/11/2005	JMK	DBK	-
B	ECO 85190	4/10/2008	MJM	RS	RS
C	ECO 115000	1/3/2011	MJM	RS	CCF
C1	ECO 115151	3/14/2011	MJM	RS	CCF

**MECHANICAL CHARACTERISTICS**

INTERFACE	PER MICRO-COAX DWG. A-15833
FLOAT MOUNT TRAVEL (AXIAL)	.060 MIN TRAVEL
FLOAT MOUNT SPRING FORGE MIN.	1.6 LBS.
FLOAT MOUNT SPRING FORGE MAX	4.2 LBS.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX.
FORCE TO ENGAGE	1.5 LBS. MAX
CABLE RETENTION	10 LBS. MIN.
MASS	1.93 GRAMS NOM.

**ELECTRICAL CHARACTERISTICS**

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.14:1 MAX
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	625 Vrms for 30 Sec.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-65 dB MIN.
CORONA	160 Vrms MIN.
RF HIGH POTENTIAL	425 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

**ENVIRONMENTAL CHARACTERISTICS**

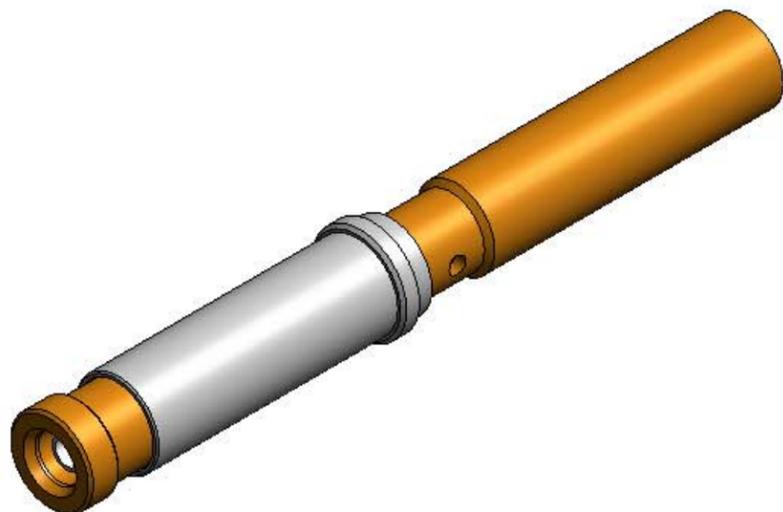
OPERATING TEMPERATURE	-55°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	N/A
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

**MATERIALS AND FINISH**

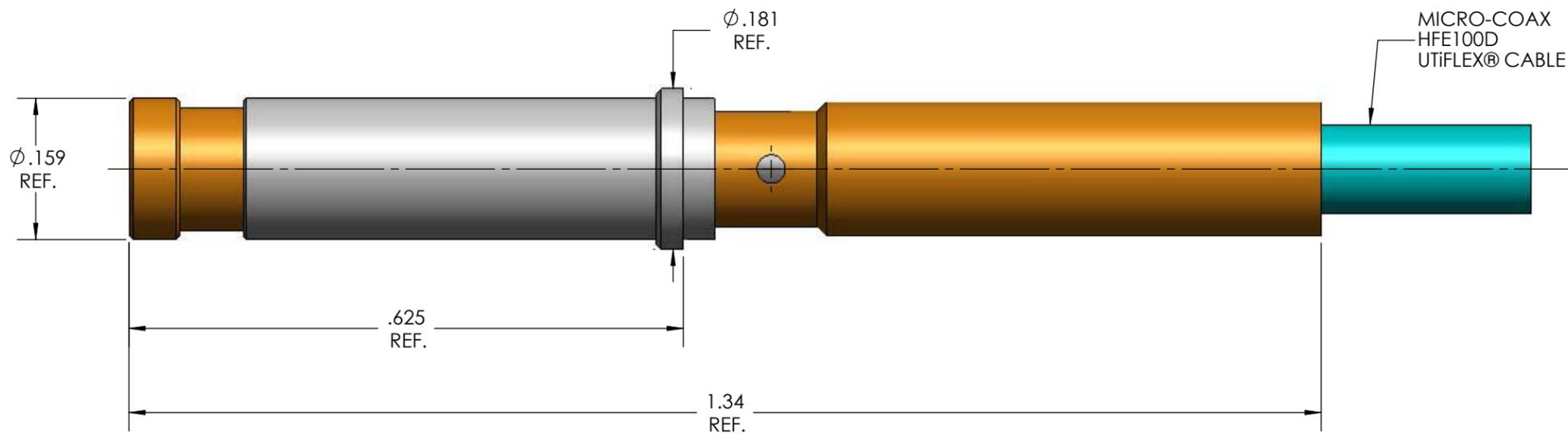
FLOAT SLEEVE	STEEL, CORROSION RESISTANT, COND. A, NON-MAGNETIC, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
SPRING	STEEL, CORROSION RESISTANT COND. C (CH-900), NON-MAGNETIC, 17-7 PH SS, PER AMS 5678, PASSIVATED PER ASTM-A-967
CONTACT, BODY, FRONT BODY, REAR BODY	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP, DIELECTRIC BEAD	POLYPHENYLENE SULFIDE (PPS), PPS000B33050 PER ASTM-D-6358
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710.

**APPLICATION**

CABLE(S)	HFE100D
INSTALLATION	PER CONFIGURATOR



ISOMETRIC VIEW  
SCALE 4:1



NOTE:

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

**SPECIFICATION DRAWING**

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	DWN. JMK	7/3/03						
	CHKD. CCF	12/6/10						
	APPVD.							
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE		#12 38999 SOCKET, HFE100D					
.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	SD904031	C1
.XXXX ±.0010								
ANGLES ± 2°								