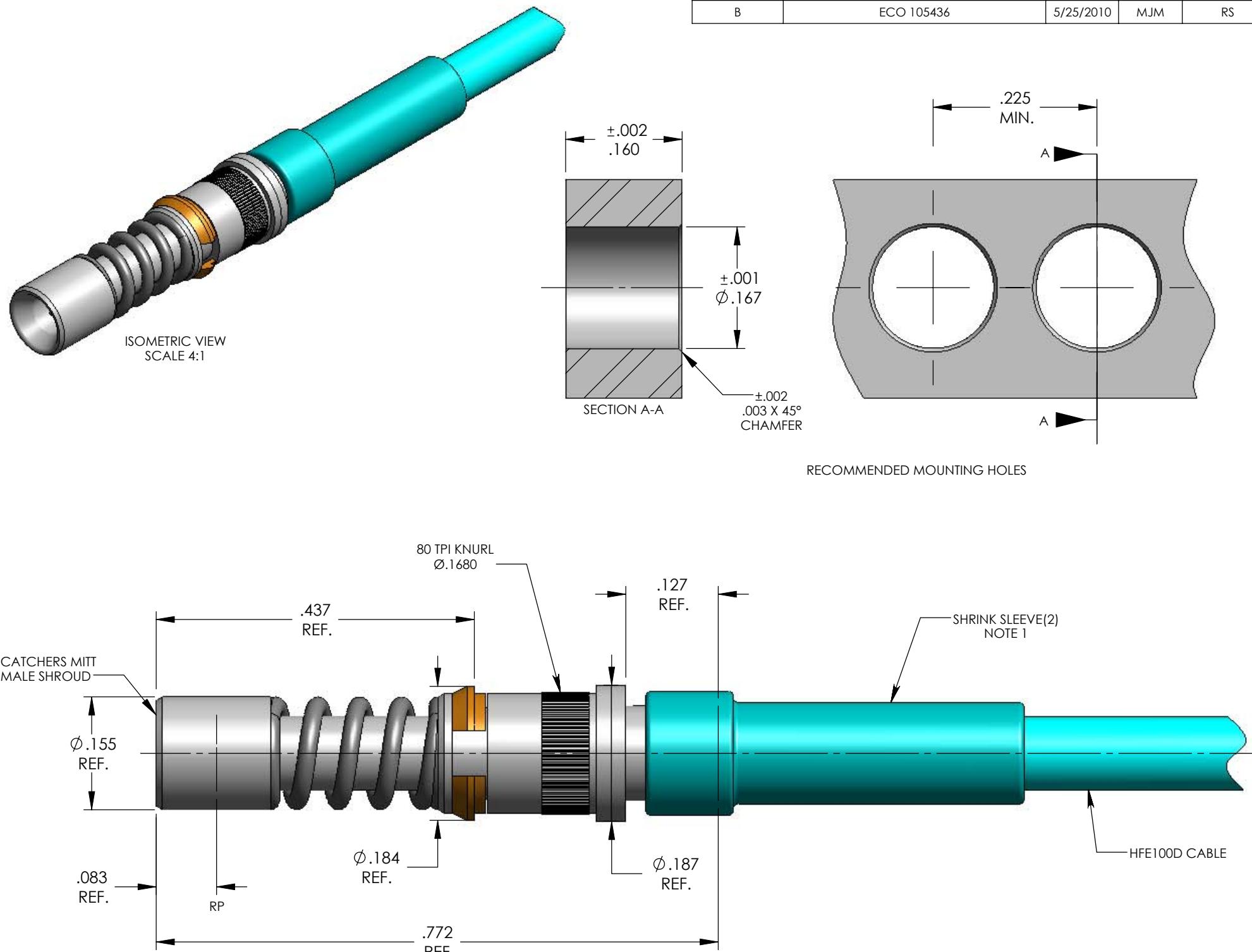


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 328-3
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	N/A
FORCE TO ENGAGE	1.0 LBS. MAX.
FLOAT MOUNT TRAVEL (AXIAL)	0.100 MIN. TRAVEL
FLOAT MOUNT SPRING FORCE MIN.	2.0 LBS. (START TRAVEL)
FLOAT MOUNT SPRING FORCE MAX.	9.0 LBS. (AT MAX TRAVEL)
DURABILITY	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	MASS = 1.23 GRAMS
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	26.5 GHz
VSWR DC - 18 GHz	1.12:1 MAX.
18 GHz - 26.5 GHz	1.16:1 MAX
INSERTION LOSS	0.03 \sqrt{f} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-65 dB MIN.
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	-65°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 F
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
CONTACT & SPRING CLIP	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEAD	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
REAR SLEEVE	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
SPRING	STEEL, CORROSION RESISTANT, 17-7 PH SS AMS 5678, PASSIVATE PER ASTM-A-967
APPLICATION	
CABLE(S)	HFE100D CABLE
INSTALLATION	PER CONFIGURATOR

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REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE - RDCR 77063	1/21/2008	MJM	RS
B	ECO 105436	5/25/2010	MJM	RS



NOTE(S):

1. HEAT SHRINK/STRAIN RELIEF CONFIGURATION OPTIONAL
2. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

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	DWN. DBK	7/30/04
	CHKD. MJR	5/28/10
	APPVD.	
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE SMPM MALE FLOAT MOUNT, HFE100D	
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.
XXX	± .005	SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.
XXXX	± .0010	FSCM NO. 64639
ANGLES	± 5°	B
		SIZE 6:1
		SCALE 1 OF 1
		SHEET NO. SD904220
		REV. B

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