REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - ECO 135496	10/14/2013	MJM	RS	CCF

MECHANICAL CHARACTERISTICS

INTERFACE	PER MICRO-COAX DWG. A-15833
FLOAT MOUNT TRAVEL (AXIAL)	.050 MIN TRAVEL
FLOAT MOUNT SPRING FORGE MIN.	.5 LBS.
FLOAT MOUNT SPRING FORGE MAX	3.5 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 LBS. MAX
CABLE RETENTION	10 LBS. MIN.
MASS	1.25 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.14:1 MAX
18 GHz - 24 GHz	1.17:1 MAX
24 GHz - 40 GHz	1.25:1 MAX
INSERTION LOSS	0.03 SF (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	650 Vrms for 30 Sec.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 40 GHz	TBD dB MIN.
CORONA	170 Vrms MIN.
RF HIGH POTENTIAL	425 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

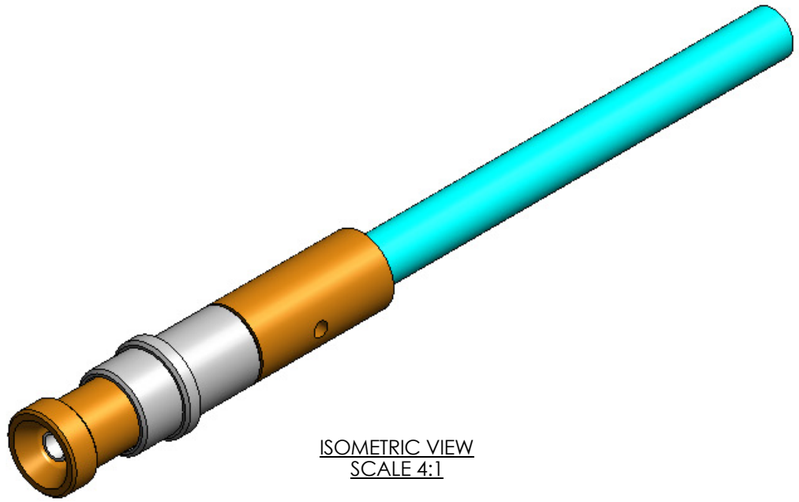
OPERATING TEMPERATURE	-55°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

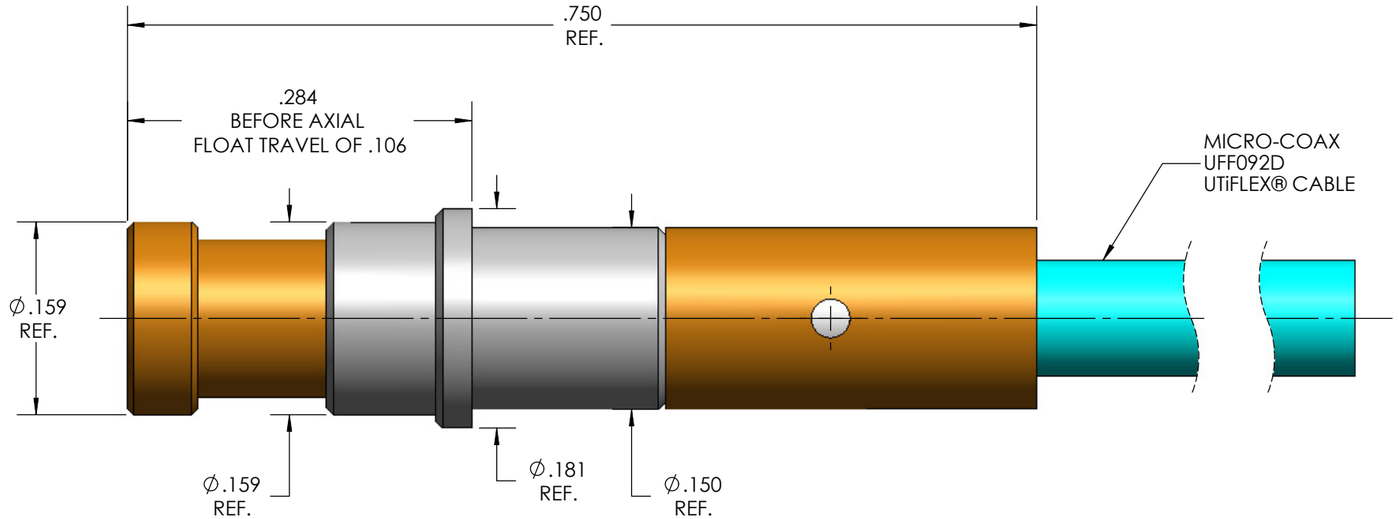
FLOAT SLEEVE	STEEL, CORROSION RESISTANT, COND. A, NON-MAGNETIC, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
SPRING	STEEL, CORROSION RESISTANT, NON-MAGNETIC, ASTM-A-555, 17-7 PH SS, AMS 5678, PASSIVATED
CONTACT, FRONT BODY & REAR BODY	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	POLYPHENYLENE SULFIDE (PPS), PPS000B33050 PER ASTM-D-6358
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710.

APPLICATION

CABLE(S)	UFF092D
INSTALLATION	PER CONFIGURATOR



ISOMETRIC VIEW
SCALE 4:1



SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	SRS	08/03/04
CHKD.	CCF	12/7/10
APPVD.		

MICRO-COAX
PROVEN RELIABLE

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

TITLE: #12 38999 (SERIES 2) SOCKET, UFF092D CABLE

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	8:1	1 OF 1	SD904108	A