MECHANICAL CHARACTERISTICS

INTERFACE	PER MICRO-COAX DWG. A-16114
SLANT SHEET	N/A
FLOAT MOUNT TRAVEL (AXIAL)	0.050 IN. MIN TRAVEL
FLOAT MOUNT SPRING FORCE MIN.	2.5 LBS.
FLOAT MOUNT SPRING FORCE MAX.	5.8 LBS
FORCE TO ENGAGE	2.0 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MIN.
CABLE RETENTION	15 LBS MIN.
MASS	6.13 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.06 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	800 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC	-75 dB MIN.
CORONA	210 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	525 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 F
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

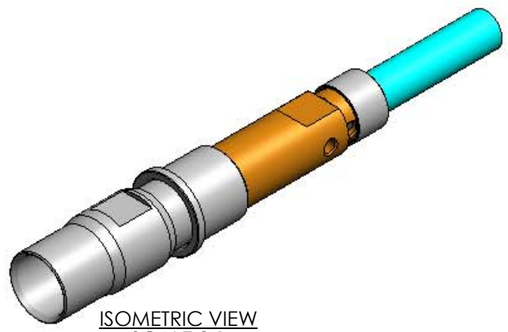
MATERIALS AND FINISH

REAR BODY & CONTACT	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INNER BODY, FRONT BODY, SLEEVE, REAR SLEEVE, FLOAT MOUNT SLEEVE	STEEL , CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300 PASSIVATED PER ASTM-A-967
GASKETS	FLURORSILICONE RUBBER PER MIL-R-25988
INSULATOR	TFEFLUORCARBON PER ASTM-D-1710
DIELECTRIC BEAD	POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205
SPRING	STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678 & ASTM-A-555, PASSIVATED PER ASTM-A-967

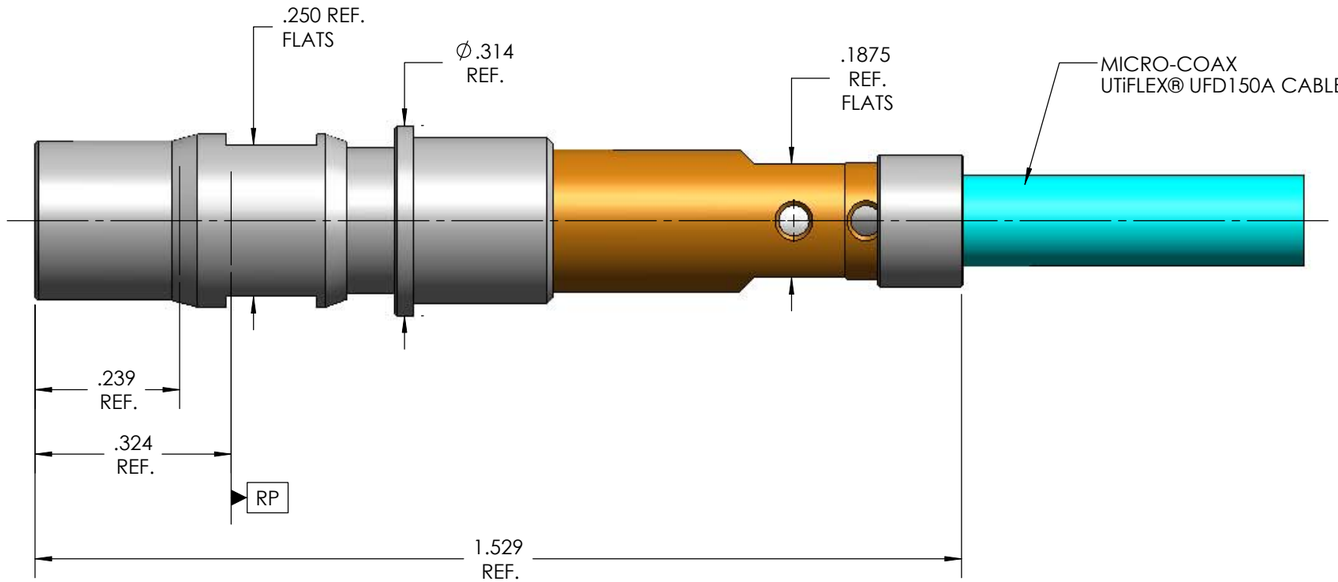
APPLICATION

CABLE(S)	UFD150A
INSTALLATION	PER CONFIGURATOR

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE ECO 75290	5/15/07	MPK	RS
A1	ECO 85177	4/2/2008	MJM	RS
A2	ECO 85689	10/27/2008	MJM	RS
A3	ECO 95649	9/15/2009	MJM	RS
B	ECO 105921	1/7/2011	MJM	RS



ISOMETRIC VIEW
SCALE 2:1



SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	JMK	4/24/06
CHKD.	CCF	1/11/11
APPVD.		

MICRO-COAX®
Leading the way in transmission line solutions.

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

TITLE: #8 38999 SOCKET, UFD150A 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	1:1	1 OF 1	SD904545	B