

MECHANICAL CHARACTERISTICS	
INTERFACE	PER MICRO-COAX DRAWING A-18488
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	9.0 IN-LBS. NOM.
CENTER CONTACT INSERTION FORCE (INTERFACE)	2.0 IN-LBS. MAX.
CENTER CONTACT WITHDRAW FORCE (INTERFACE)	1.0 oz MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MAX.
CABLE RETENTION	10 LBS. MIN.
MASS	MASS = 8.82 GRAMS

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 GHz - 40 GHz	1.22:1 MAX
INSERTION LOSS	0.04 \sqrt{f} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	800 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	210 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	525 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	4.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE	-55°C TO 150°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

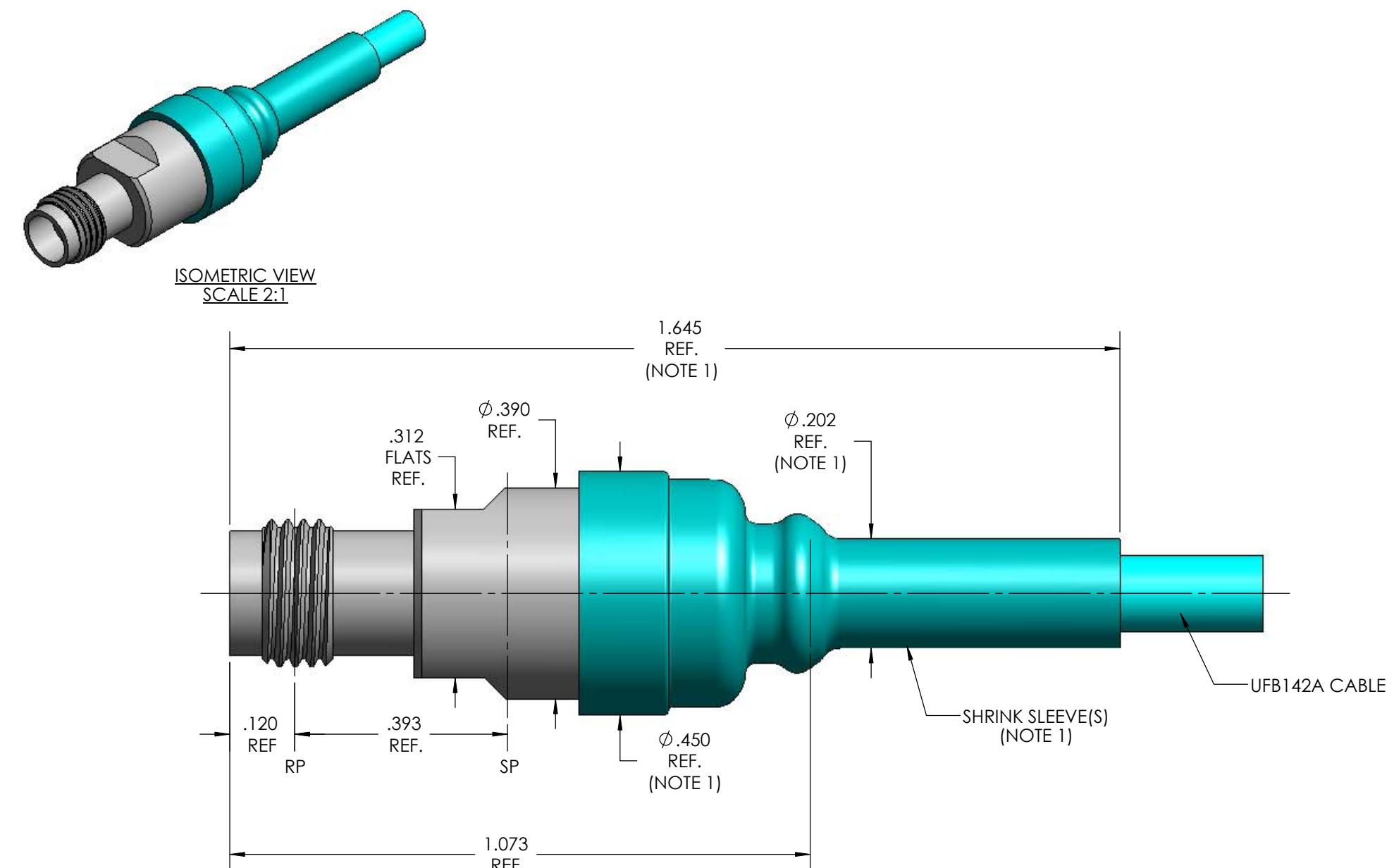
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
BEAD(S)	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
BODY, CLAMP NUT, & SLEEVE	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290

APPLICATION

CABLE(S)	UFB142A SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE - RDCR 67119	3/28/07	MJM	RS
B	ECO 106124	1/12/2011	CCF	RS



NOTE:

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

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	DWN. MJM	10/30/06
	CHKD. CCF	01/12/11
	APPVD.	
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE	
.XX	$\pm .02$	2.4 mm JACK, UFB142A CABLE
XXX	$\pm .005$	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.
XXXX	$\pm .0010$	SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.
ANGLES	$\pm 2^\circ$	FSCM NO. 64639 SIZE B SCALE 4:1 SHEET NO. 1 OF 1 DRAWING NO. SD904361 REV. B

SPECIFICATION DRAWING

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