

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 323.2
SLANT SHEET	IEEE P287/D3
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
CENTER CONTACT INSERTION (INTERFACE)	2 LBS. MIN.
CENTER CONTACT WITHDRAWL (INTERFACE)	1 Oz. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	10 LBS. MIN.
MASS	8.62 GRAMS NOM. (WITH C'NUT AND C'RING)
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 40GHz	1.20:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	900 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	300 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	800 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 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	
BODY, CLAMP NUT, LOCK NUT, & SLEEVE	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
O-RING	SILICONE RUBBER PER ZZ-R-765
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC BEAD	POLYETHERMIDE THERMOPLASTIC, PER ASTM-D-5205
LOCK WASHER	TIN BRASS (UNS C42500) PER ASTM-B-591 OR PHOSPHOR BRONZE (C5191R-H), PER JIS H3110, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT RING	BRASS PER ASTM-B-16 GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
APPLICATION	
CABLE(S)	UFB142A CABLE
INSTALLATION	PER CONFIGURATOR

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ISOMETRIC VIEW
SCALE 2:1

RECOMMENDED MOUNTING HOLE

2.393 REF. (NOTE 1)

1.073 REF.

.125 MAX PANEL THICKNESS

Ø .435 REF. (NOTE 1)

Ø .202 REF. (NOTE 1)

SHRINK SLEEVE(S) (NOTE 1)

MICRO-COAX UFB142A UTIFLEX® CABLE

.076 REF.

RP

.415 REF.

NOTE:

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

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XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	± 2°

INITIALS	DATE
DWN. JMK	04/03/03
CHKD. CCF	04/04/11
APPVD.	

TITLE
2.92mm (K) BULKHEAD JACK, UFB142A SERIES

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.	FSCM NO. 64639	SIZE B	SCALE 3:1	SHEET NO. 1 OF 1	DRAWING NO. SD903859	REV B
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SPECIFICATION DRAWING

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