

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 313-4
SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	15 IN-LBS NOM.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	20 LBS. MIN.
RECOMMENDED JAM NUT TORQUE	35 - 40 IN-LBS
MASS	22.97 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.15:1 MAX.
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1050 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	270 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	700 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C TO 125°C (TEMP. RANGE IS CUSTOMER SPECIFIED)
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, LOCKNUT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
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
INSULATOR(S)	TFE FLUOROCARBON, PER ASTM-D-1710
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
LOCKWASHER	STEEL, CORROSION RESISTANT, ASTM-A-240 OR ASTM-A-666, UNS NO. S30400, PASSIVATED PER ASTM-A-967
GASKET	SILICONE RUBBER PER ZZ-R-765
APPLICATION	
CABLE(S)	140 SERIES
INSTALLATION	PER CONFIGURATOR

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ISOMETRIC VIEW

.625 REF. HEX (LOCK NUT)

.750 REF. HEX

Ø .810 REF. ACROSS PTS.

RECOMMENDED MOUNTING HOLE

Ø .510
.505

.221
.218

2.21 REF. (NOTE 1)

1.380 REF.

.830 REF.

.130 REF.

.437 REF.

D FLAT

Ø .23 REF. (NOTE 1)

Ø .42 REF. (NOTE 1)

Ø .18 REF. (NOTE 1)

SHRINK SLEEVE(S) (NOTE 1)

MICRO-COAX 140 SERIES UTIFLEX® CABLE

.230 MAX. PANEL

.331 REF.

- RP -

NOTE:

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

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE, ECO 125141	3/14/2012	PLM	RS	CCF
B	ECO 125413	8/1/2012	MJM	RS	CCF

SPECIFICATION DRAWING

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		DWN.	PLM	11/09/11																					
		CHKD.	CCF	11/10/11																					
		APPVD.																							
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE																							
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.																							
.XXX	± .005																								
.XXXX	± .0010																								
ANGLES	±2°																								
		TNCA BULKHEAD JACK, 140 SERIES																							
		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.		REV																	
		64639	B	2:1	1 OF 1	SD905151		B																	