INTERFACE	MIL-STD-348, FIGURE 309-1 (NOTE 2)	
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/35 REF.	
RECOMMENDED MATING TORQUE	10-15 IN-LBS. NOM.	
COUPLING PROOF TORQUE	15 IN-LBS. MIN.	
COUPLING NUT RETENTION	100 LBS. MIN.	
FORCE TO ENGAGE	3 IN-LBS. MAX.	
FORCE TO DISENGAGE	3 IN-LBS. MIN.	
DURABILITY	500 CYCLES MIN.	
AXIAL CONTACT RETENTION (FROM INTERFACE)	15 LBS. MIN.	
AXIAL CONTACT RETENTION (FROM CABLE)	15 LBS. MIN.	
CABLE RETENTION	20 LBS. MIN.	
MASS	62.60 GRAMS NOM.	

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	9.5 GHz
VSWR DC - 8 GHz	1.16:1MAX.
8 GHz - 9.5 GHz	1.2:1MAX.
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	4000 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 9.5 GHz	-90 dB MIN.
CORONA	1000 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	3000 Vrms MIN.

3.0 MilliOhms MAX.

3.0 MilliOhms MAX.

80 WATTS MAX @ 9.5 GHz

CONTACT RESISTANCE (INNER)

CONTACT RESISTANCE (OUTER)

MAXIMUM POWER RATING

CABLE(S)

INSTALLATION

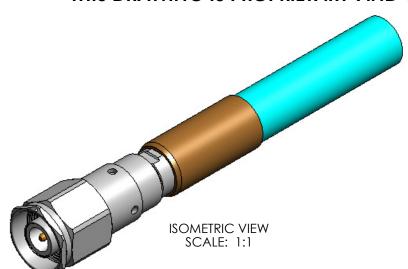
ENVIRONMENTAL CHARACTERISTICS				
OPERATING TEMPERATURE	-40 °C TO 165 °C			
VIBRATION	MIL-STD-202, METHOD 204, CONDITION B			
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I			
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B			
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)			
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%			

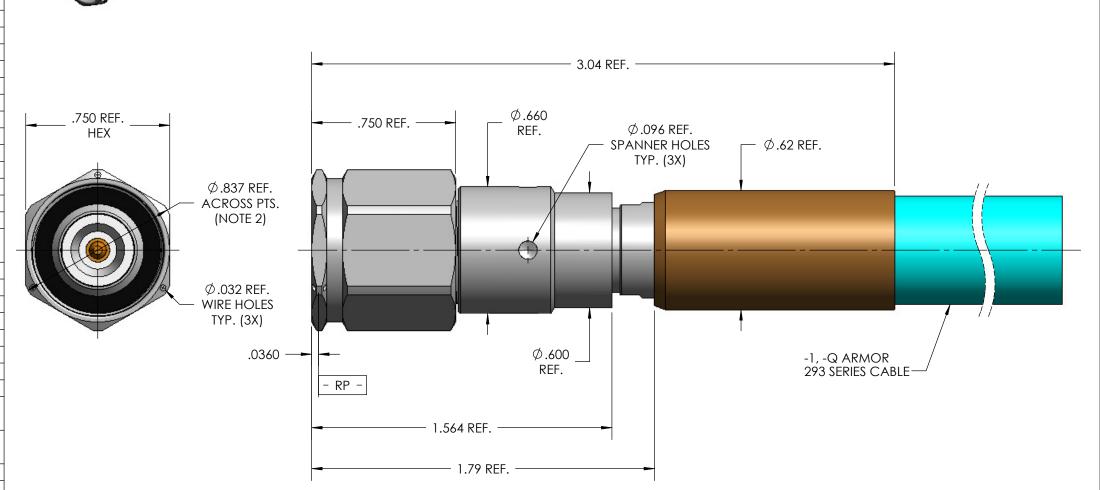
MA	TERIALS AND FINISH
CONTACT(S)	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEAD	POLYETHERETHERKETONE , PER MIL-P-46183, TYPE1
BODIES, COUPLING NUT & CLAMP NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204 OVER, NICKEL PLATE PER AMS-QQ-N-290
GASKET	FLUOROCARBON ELASTOMER, PER ASTM D2000 M4HK710F17Z1
INSULATORS & DIELECTRIC STOP	TFE FLUOROCARBON PER ASTM-D-1710
	APPLICATION

-1, -Q ARMOR, 293C SERIES CABLE

PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL





SPECIFICATION DRAWING

APPVD CHKD

RS CCF

1/6/2014

MJM

NOTE:

- 1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
- 2. CONNECTOR DOES NOT MEET MIL-STD-348, FIG 309.1, Ø.828 MAX.

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		DWN.	PLM	12/19/13	
		CHKD.	CCF	12/20/13	
		APPVD.			
	TOLERANCES UNLESS	TITLE	\$ ○ D	LUC WIDE	ı

	MICRO	-COAX
4		PROVEN RELIABLE

TOLERANC OTHEWISE		SC PLUG, \	WIRE HOL	ES, -	1, -Q	ARMOR,	293C CABLE	
.XX	± .02							_
.XXX	± .005	ALL DIMENSIONS IN INCHES UNI ESS OTHERWISE SPECIFIED.	FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	
.XXXX	± .0010	SCREW THDS. TO BE IN ACCORD	64639	R	2.1	1 OF 1	SD905318	ı
ANGLES	± 2°	WITH ANSI B1.1-1989.	04037	D	Z.I	I OF I	30703310	ı

DESCRIPTION

INITIAL RELEASE - ECO 145004