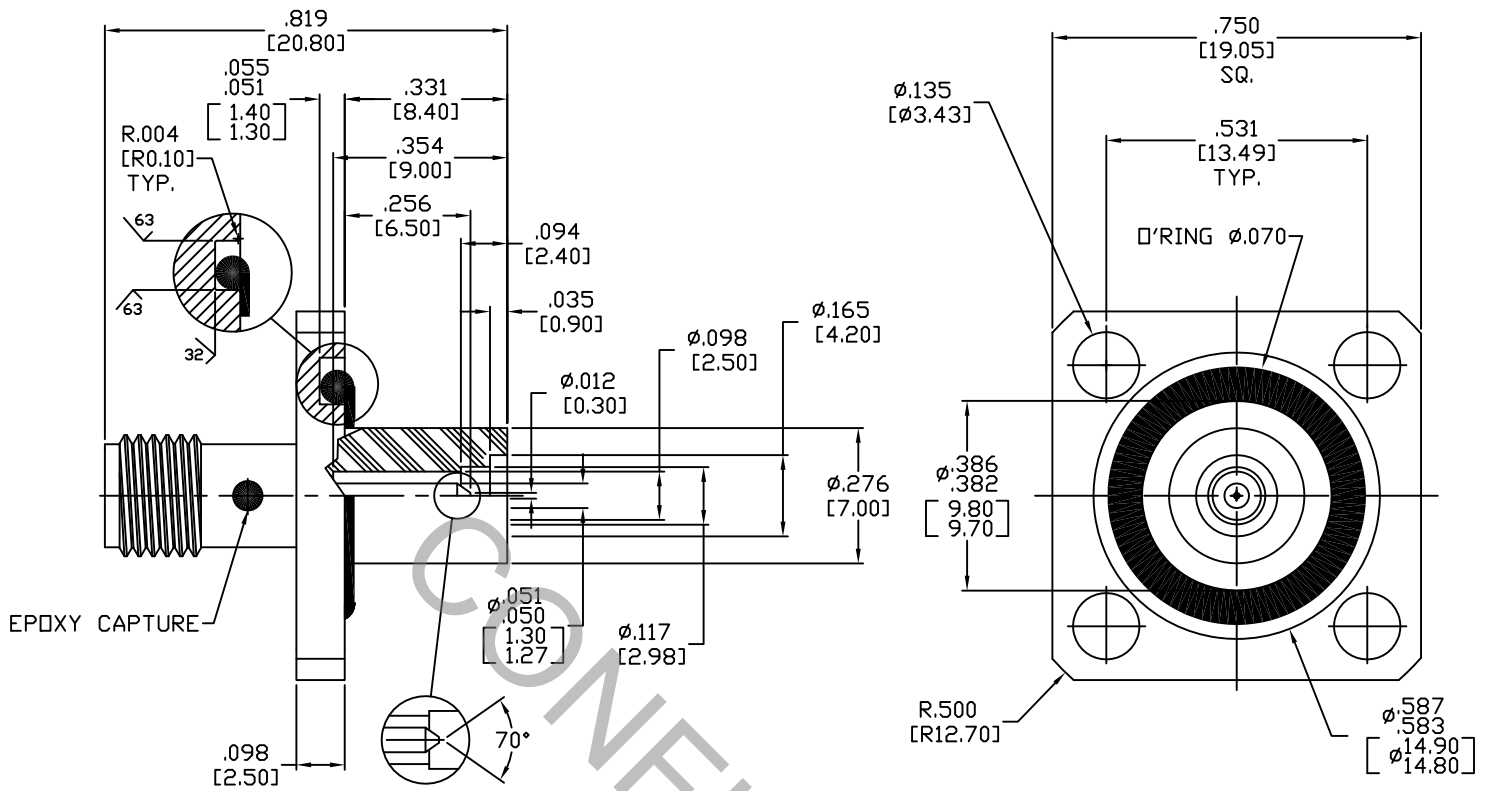


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, (Fig. 310.2), (SMA, JACK)
2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 4.0 GHz.
VSWR (MAX.) *	_____	1.06 + .005 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.035 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	-80 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES													
AA	13-2641	12/4/13	TS	<table border="0" style="font-size: small;"> <tr> <td>DECIMALS</td> <td>FRACTIONAL</td> <td>ANGULAR</td> </tr> <tr> <td>.X ± .030</td> <td></td> <td>X° ± 1°0'</td> </tr> <tr> <td>.XX ± .010</td> <td>± 1/64</td> <td>X°X' ± 15'</td> </tr> <tr> <td>.XXX ± .005</td> <td></td> <td></td> </tr> </table>	DECIMALS	FRACTIONAL	ANGULAR	.X ± .030		X° ± 1°0'	.XX ± .010	± 1/64	X°X' ± 15'	.XXX ± .005			Haverhill, MA 01835 TITLE SMA, JACK 4 HOLE FLANGE STRAIGHT PIN TERMINAL
DECIMALS	FRACTIONAL	ANGULAR															
.X ± .030		X° ± 1°0'															
.XX ± .010	± 1/64	X°X' ± 15'															
.XXX ± .005																	
AB	13-2670	12/10/13	TS														
AC	13-2694	12/16/13	TS	DRAWN TS DATE 12/4/13													
AD	14-1010	1/6/14	TS	APPROVED DC DATE 12/4/13													
				CODE IDENT. 2J899	DWG. NO. 9954-0632-6211												
				SHEET 1 OF 2													

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX.AXIAL FORCE _____ 6.0 LBS.

MAX. RADIAL TORQUE _____ 4.0 IN. OZ.

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ 32.0

● WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65°C TO + 165°C)

SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)

MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b

CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM-A-479, TYPE 316L

CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

O'RING _____ SILICONE RUBBER PER A-A-59588, CLASS 1.

6. FINISH

BODY _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
(.000010 MIN. THK.)

INSULATOR AND O'RING _____ N/A