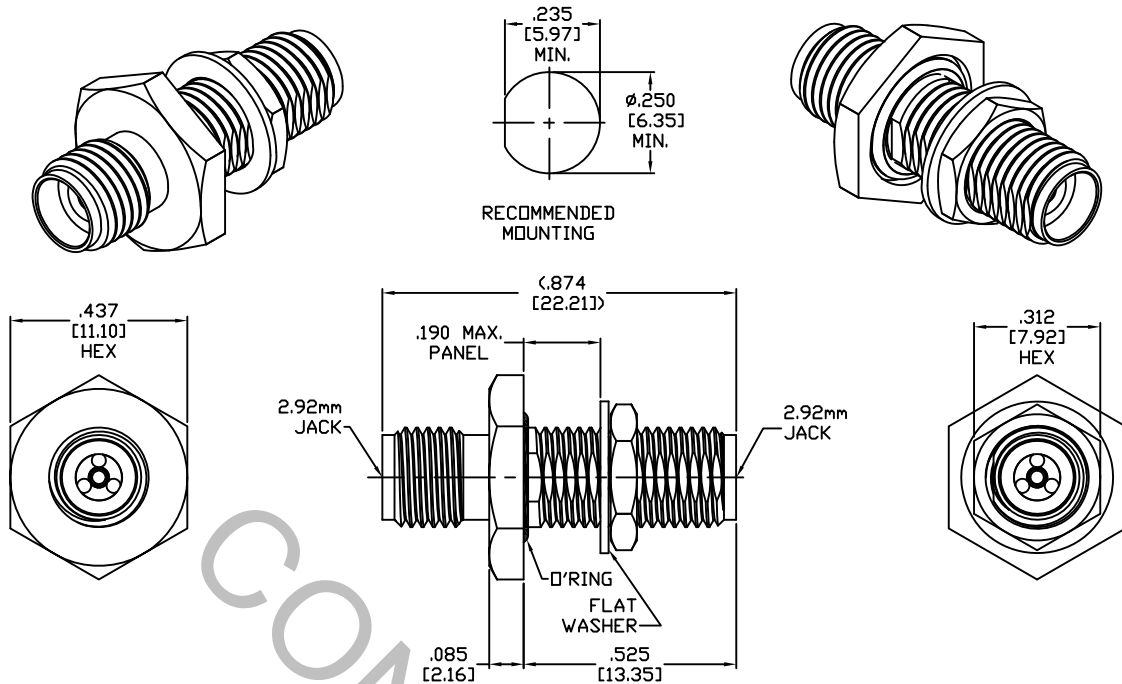


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 323.2 SMK JACK

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz.
VSWR (MAX) *	_____	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX)	_____	.035 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO +125°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* INTO A 50 OHM LOAD.

RoHS

This Document contains proprietary and confidential information. **COMPLIANT**

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	15-2203	8/25/15	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X° X' ± 15"	TITLE 2.92mm JACK TO 2.92mm JACK BULKHEAD ADAPTER
AB	15-2254	9/2/15	TS	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
BA	15-2661	11/18/15	TS	DRAWN TS	DATE 8/25/15		
BB	17-1128	1/25/17	DC				
BC	18-1665	6/14/18	TS	APPROVED DC	DATE 8/25/15		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1110-9595-3200	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

RECOMMENDED MOUNTING TORQUE _____ 17 -20 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 125 ° 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.) (200 VRMS)

5. MATERIAL

CONNECTOR BODY, LOCKNUT, FLAT WASHER & _____ STAINLESS STEEL PER ASTM A 479, TYPE 316L
PRESS SLEEVE

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

INSULATOR _____ PLASTIC COMPOSITE

O'RING _____ ETHYLENE PROPYLENE PER ASTM D735-58/R810F

6. FINISH

CONNECTOR BODY, LOCKNUT, FLAT WASHER & _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
PRESS SLEEVE

CONTACTS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.70
(.000030 MIN.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)

INSULATOR & O'RING _____ N/A