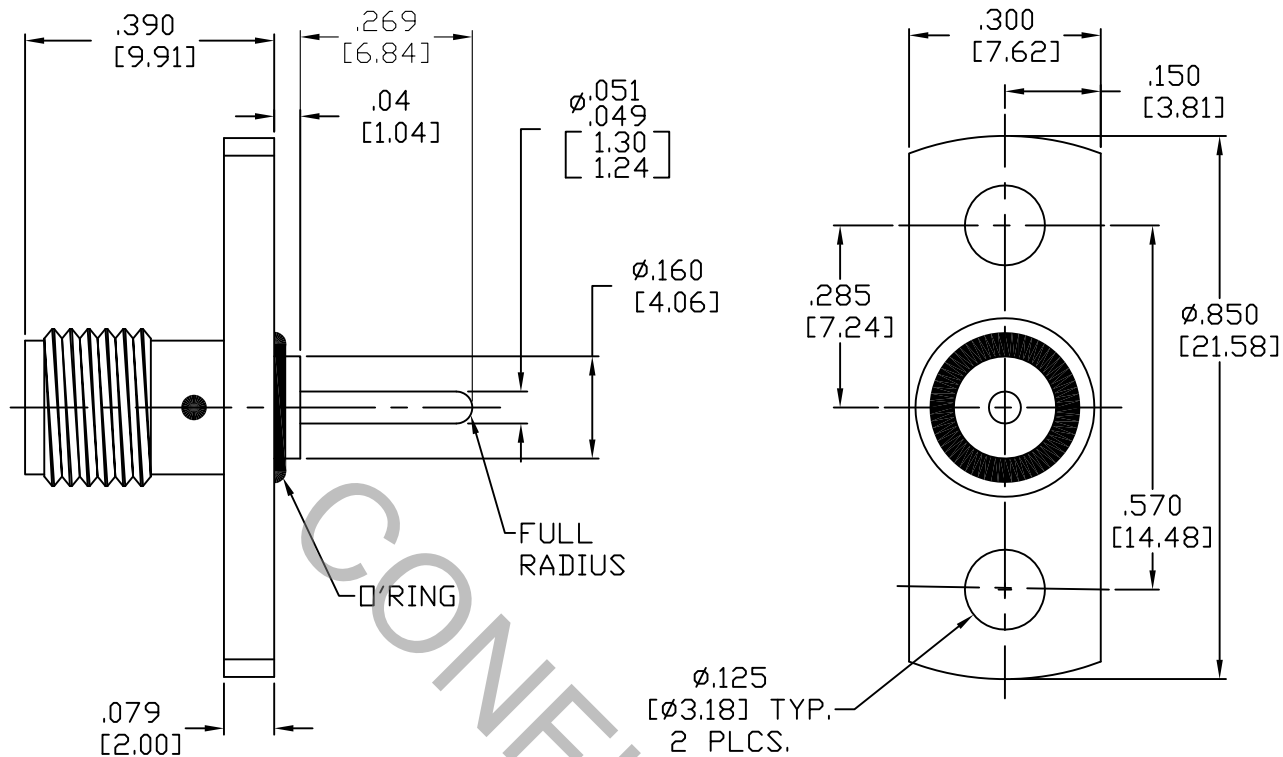


# SPECIFICATION CONTROL DRAWING




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

FREQUENCY RANGE GHz	_____	DC TO 5.0 GHz.
VSWR (MAX.) *	_____	1.08 + .005 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.040 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-90 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
RF HIGH POTENTIAL @ 5 MHz. (RMS VOLTS)	_____	670
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	12-1614	7/27/12	TS	DECIMALS	FRACTIONAL	ANGULAR	
AB	12-1665	8/13/12	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1' 0" X° X' ± 15'	TITLE SMA, JACK 2 HOLE FLANGE STRAIGHT PIN TERMINAL
				DRAWN TS	DATE 7/27/12		
				APPROVED DC	DATE 7/27/12		
				CODE IDENT.	SHEET 1 OF 2	DWG. NO.	9952-0632-6207
				2J899			

# 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. ) (90 VRMS )

## 5. MATERIAL

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

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 ZZ-R-765E, CLASS 1 OR ASM 3304.

## 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