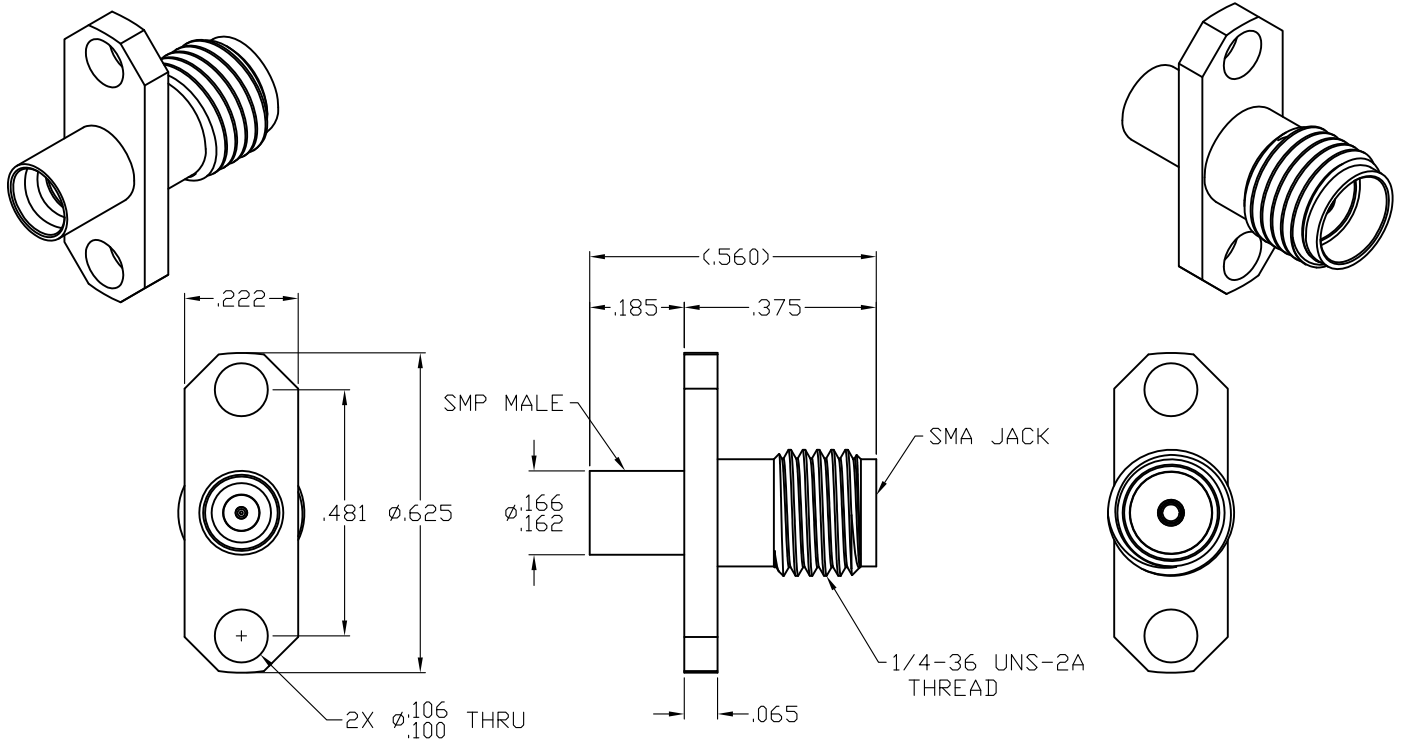


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 326.2 (SMP MALE FD)  
AND MIL-STD-348, Fig. 310.2 (SMA JACK).


## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.) *	_____	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.04 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	190
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• 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			 <small>INCORPORATED</small> HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	03-1427	1/1/03	DGG	X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	TITLE <b>SMA JACK 2 HOLE FLANGE MOUNT TO SMP MALE FULL DETENT ADAPTER</b>
AB	15-1791	5/26/15	DC	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$ .			
				DRAWN	GE	DATE 4/1/03	
				APPROVED	DGG	DATE 4/1/03	DWG. NO. <b>1152-2199-6250</b>
				CODE IDENT.	SHEET 1 OF 2		
				<b>2J899</b>			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### SMA ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ 500

### SMP ENGAGEMENT FORCES

- INSERTION (MAX. POUNDS) \_\_\_\_\_ 15.0
- WITHDRAWAL (MIN. POUNDS) \_\_\_\_\_ 5.0

## 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. ) ( 125 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

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4

CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 1 CODE C, CLASS 1.27  
(.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 \_\_\_\_\_ N/A