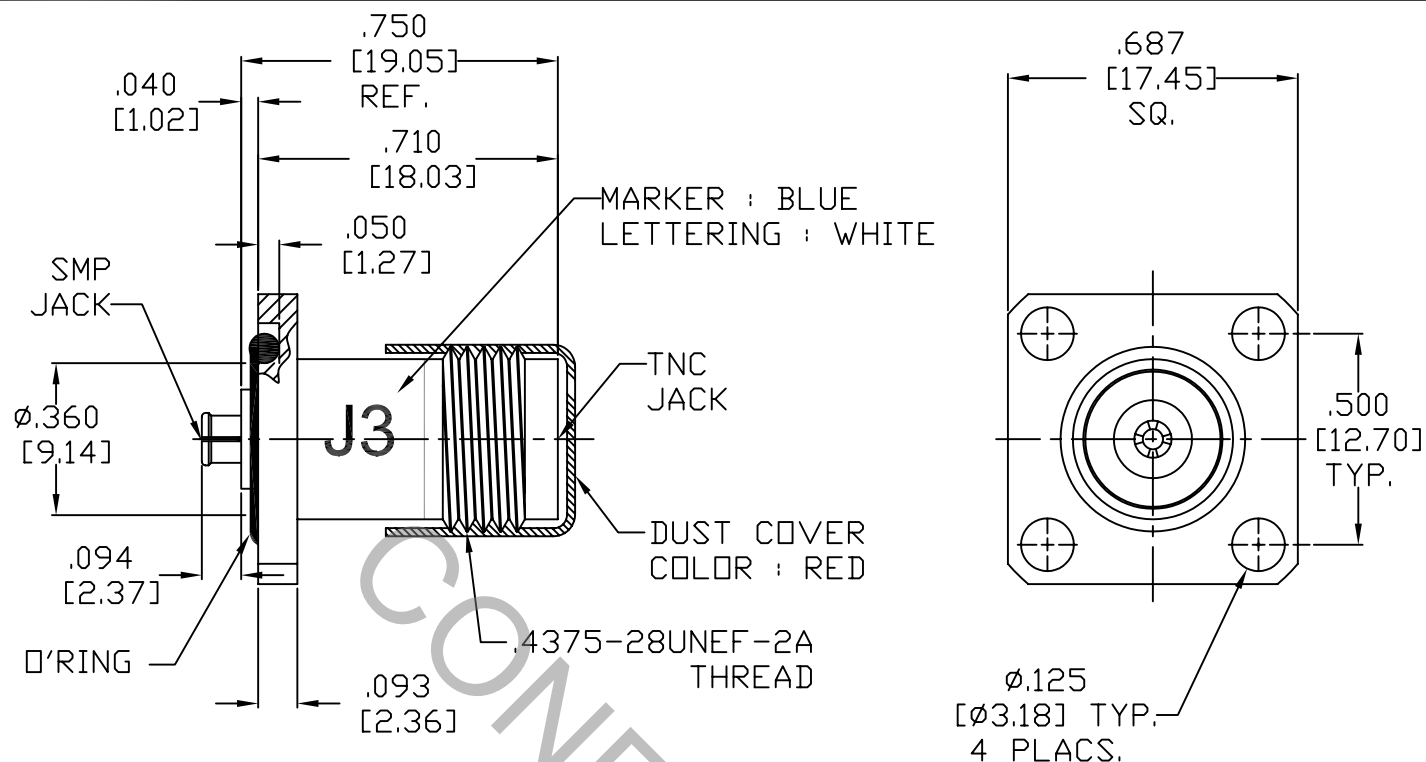


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 326.1 (SMP, JACK) AND MIL-STD-348A, Fig. 313.2, (TNC, JACK)

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 1.1 GHz
VSWR (MAX) *	_____	1.08 + .015 x FGHz
INSERTION LOSS (dB MAX) *	_____	.10 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• 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	08-1953	11/5/08	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1' 0"	TITLE SMP, JACK TO TNC, JACK, 4 HOLE FLANGE MOUNT ADAPTER
				.XX ± .010	± 1/64	X ° X' ± 15'	
				.XXX ± .005			
				DRAWN	TS	DATE	11/5/08
				APPROVED	DC	DATE	11/5/08
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1154-2085-2721
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT  
 MAX AXIAL FORCE \_\_\_\_\_ 6.0 LBS.  
 MAX RADIAL TORQUE \_\_\_\_\_ N/A  
 CENTER CONTACT AXIAL FORCES  
 ● INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 32.0  
 ● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0  
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0  
 CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500  
 RECOMMENDED MATING TORQUE \_\_\_\_\_ 15 - 20 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 107, 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

TNC BODY \_\_\_\_\_ BRASS PER ASTM B 16, TEMPER H02, ALLOY C36000.  
 SMP BODY AND CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/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.  
 DUST COVER \_\_\_\_\_ VINYL (COLOR RED)

## 6. FINISH

TNC BODY \_\_\_\_\_ NICKEL PER QQ-N-290, CLASS 1.  
 SMP BODY \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25  
 (.000050 MIN. THK.) OVER NICKEL per QQ-N-290  
 (.000150 MIN. THK.) OVER COPPER per MIL-C-14550  
 (.000010 MIN. THK.)  
 CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
 (.000100 MIN. THK.) OVER NICKEL per QQ-N-290  
 (.000050 MIN. THK.) OVER COPPER per MIL-C-14550  
 (.000010 MIN. THK.)  
 INSULATOR, O'RING AND DUST COVER \_\_\_\_\_ N/A