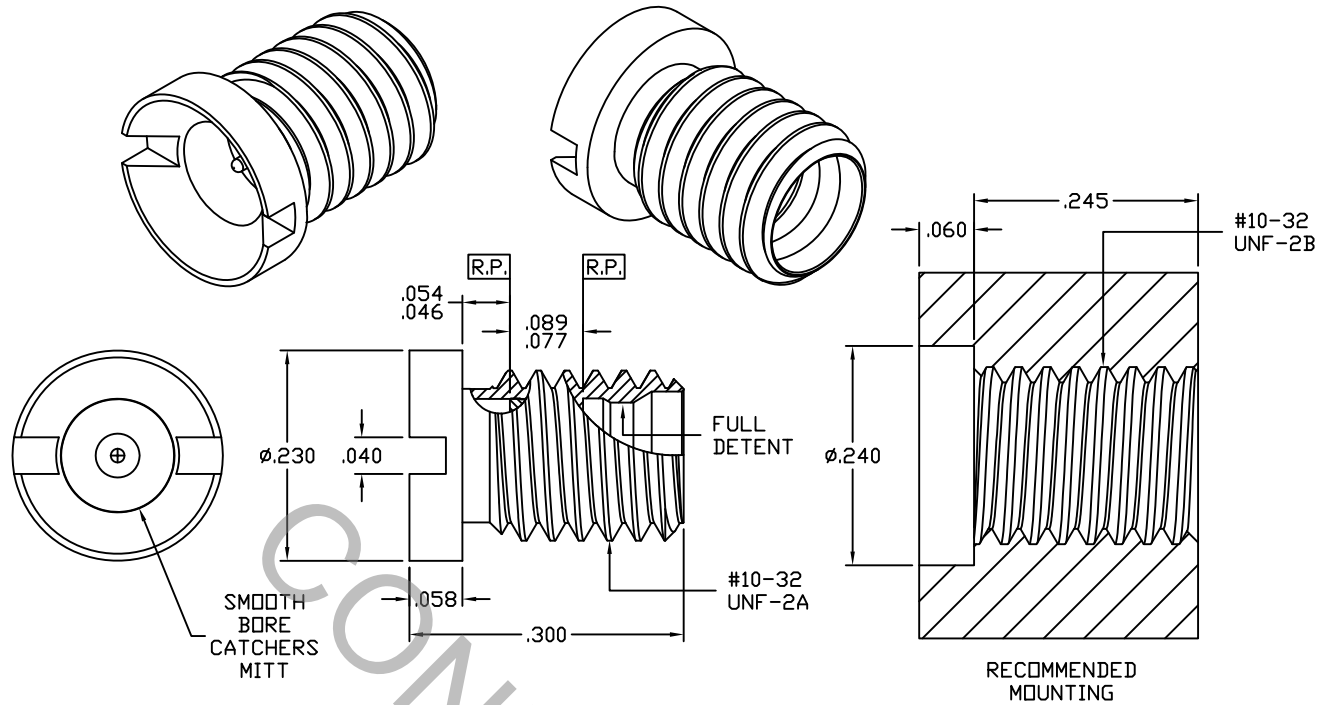


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 326.2 (SMP MALE, FULL DETENT) AND MIL-STD-348 Fig. 326.5 (SMP MALE, SMOOTH BORE, CATCHERS MITT)

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX) *	_____	1.10 + .015 x FGHz
INSERTION LOSS (dB MAX) *	_____	.10 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	125
RF LEAKAGE (MIN. dB DOWN)	_____	-65 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	375
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

This Document contains proprietary and confidential information.

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835	
AA	16-1050	1/15/16	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1° 0' X ° X' ± 15'		
				DRAWN	DC	DATE	1/15/16	TITLE SMP MALE CATCHERS MITT TO SMP MALE FULL DETENT THREAD-IN ADAPTER (NON HERMETIC)
				APPROVED	DC	DATE	1/15/16	
				CODE IDENT.		SHEET	1 OF 2	DWG. NO.     1135-2121-6259
				2J899				

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE \_\_\_\_\_ 4.5 LBS.

MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CONNECTOR AXIAL FORCES

● INSERTION (MAX. POUNDS) \_\_\_\_\_ 15.0 FULL DETENT, 2.0 SMOOTH BORE

● WITHDRAWAL (MIN. POUNDS) \_\_\_\_\_ 5.0 FULL DETENT, 0.5 SMOOTH BORE

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 100 FULL DETENT, 1000 SMOOTH BORE

RECOMMENDED MOUNTING TORQUE \_\_\_\_\_ 6 - 8 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. ) ( 94 VRMS )

## 5. MATERIAL

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

OUTER RING & CENTER PIN \_\_\_\_\_ KOVAR MIL-I-23011

INSULATOR \_\_\_\_\_ CORNING 7070 GLASS

## 6. FINISH

BODY & PRESS RING \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

OUTER RING & CENTER PIN \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290  
CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)  
(.000010 MIN. THK.)

INSULATOR \_\_\_\_\_ N/A