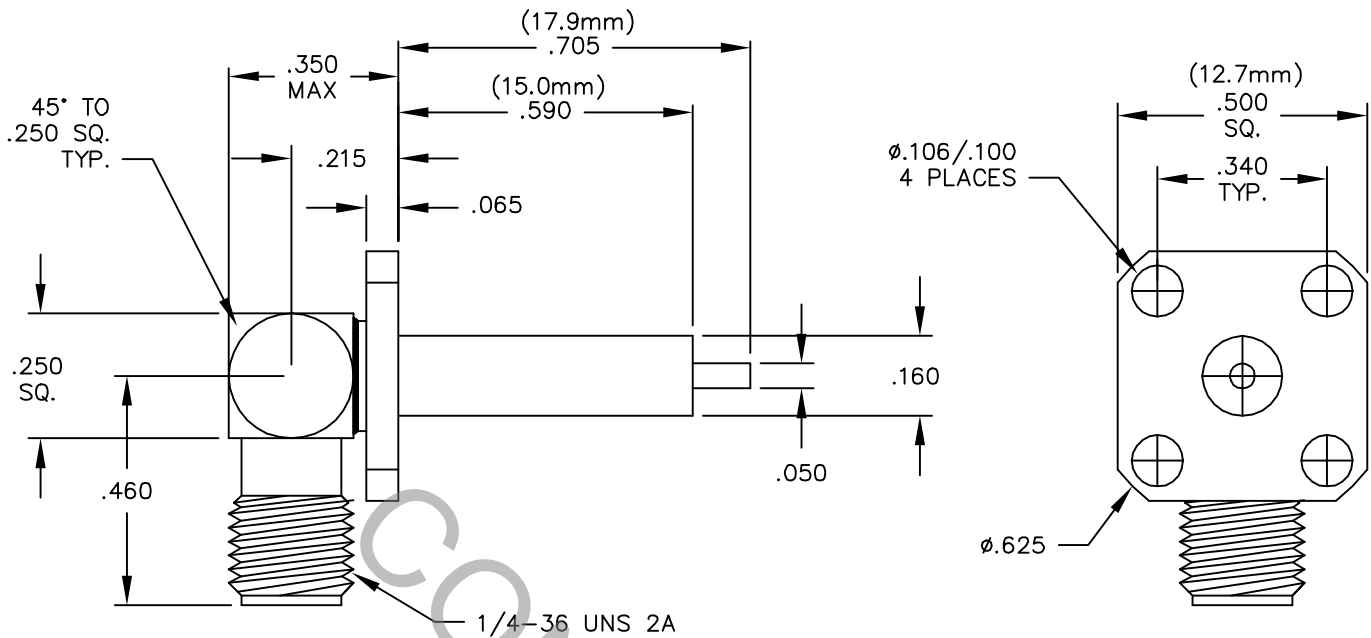


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 11.0 GHz.
VSWR (MAX.) *	_____	1.40:1
INSERTION LOSS (dB MAX.) *	_____	.05 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-15° c TO +60° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1512
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
AVERAGE POWER (WATTS)	_____	100, 3 minutes, max.
PEAK POWER (WATTS)	_____	300, 3 minutes, max.

\*TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 03185
				DECIMALS	FRACTIONAL	ANGULAR	
AA	03-2289	10/16/03	DGG	.x ±.030 .xx ±.010 .xxx ±.005	±1/64	x° ±1' 0" x' x" ±15'	TITLE SMA, JACK 4 HOLE FLANGE RIGHT ANGLE Ø.050 TERMINAL
AB	03-2347	10/29/03	DC				
AC	04-1020	1/6/04	DC	DRAWN	BN	DATE 10/16/03	DWG. NO. 9958-0031-6255
				APPROVED	DGG	DATE 10/16/03	
				CODE IDENT.	SHEET 1 OF 2		
				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 INCH LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING _____	MIL-STD-202, METHOD 102, COND. C ( -15° c TO +60° c )
SHOCK _____	100g SAWTOOTH, 6.0 MILLISECONDS
RANDOM VIBRATION _____	12g RMS, 3 MINUTES, ALONG 3 MAIN AXES
ACCELERATION _____	40g, 5 MINUTES, ON FLIGHT AXES 50g, 5 MINUTES, ON RADIAL AXES
ACOUSTIC NOISE _____	150dB RMS, 3 MINUTES
ALTITUDE _____	170 K FEET (52 K METERS) (265 VRMS)

## 5. MATERIAL

BODY _____	STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
CONTACT _____	BERYLLIUM COPPER PER QQ-C--530, ALLOY 173, COND. H.T.
INSULATOR _____	TEFLON PER MIL-P-19468 AND L-P-403, TYPE I

## 6. FINISH

BODY _____	PASSIVATE PER QQ-P-35D, TYPE I
CONTACT _____	GOLD per ATSM 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 _____	N/A