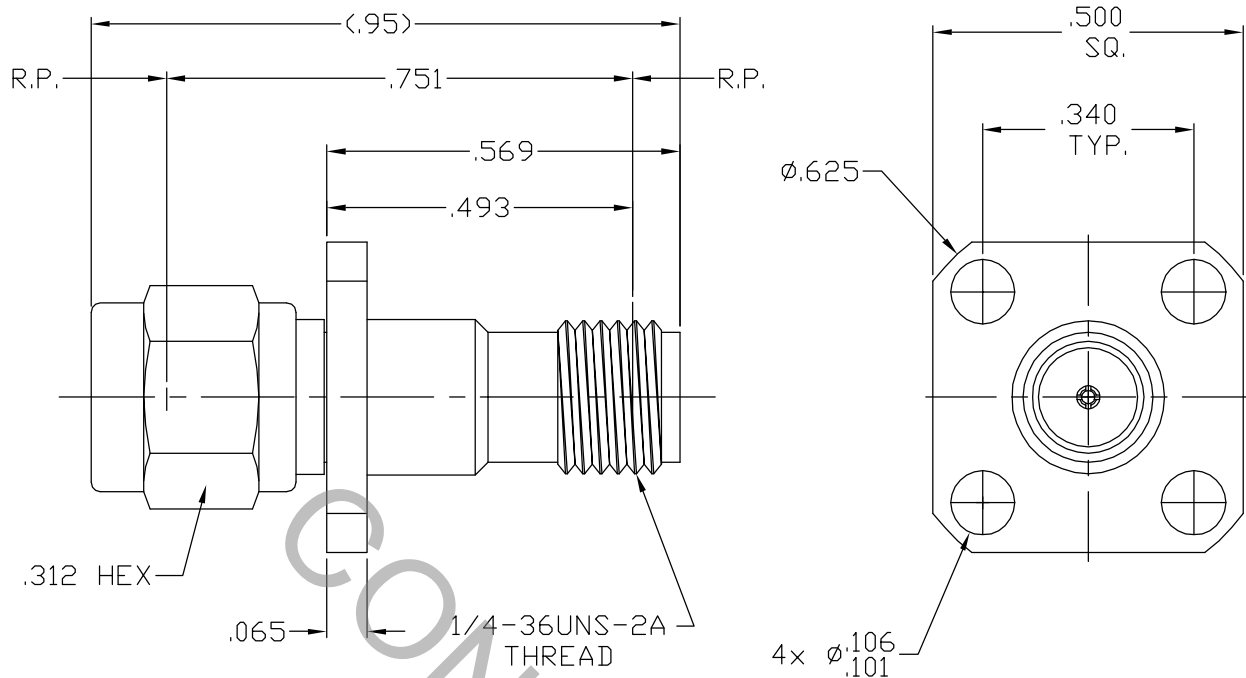


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 323.1 (2.92mm PLUG) AND MIL-STD-348 Fig. 323.2 (2.92mm JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz
VSWR (MAX.) *	_____	1.07 + .007 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 125°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	06-2112	9/7/06	DC	DECIMALS .X ±.030 .XX ±.010 .XXX ±.005	FRACTIONAL ±/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
AB	06-2165	9/18/06	DC				TITLE 2.92mm PLUG TO 2.92mm JACK 4 HOLE FLANGE ADAPTER
				DRAWN TS	DATE 9/7/06		
				APPROVED DC	DATE 9/7/06		
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 1154-9495-6205

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION—CENTER CONTACT
 MAX.AXIAL FORCE _____ 4.5 LBS.
 MAX. RADIAL TORQUE _____ N/A
 CENTER CONTACT AXIAL FORCES
 ● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0 (JACK)
 ● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0 (JACK)
 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 + 125 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

BODY AND COUPLING NUT _____ STAINLESS STEEL PER ASTM 581, TYPE 303, COND. A
 CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
 No. UNS-C17300, TEMPER T004.
 GASKET _____ SILICONE RUBBER
 INSULATOR _____ PLASTIC COMPOSIT

6. FINISH

BODY AND COUPLING NUT _____ PASSIVATE PER AMS QQ-P-35, TYPE 2
 CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
 (.000030 MIN. THK.) OVER NICKEL per QQ-N-290
 (.000050 MIN. THK.) OVER COPPER per MIL-C-14550
 (.000010 MIN. THK.)
 INSULATOR, GASKET AND RETAINING RING _____ N/A