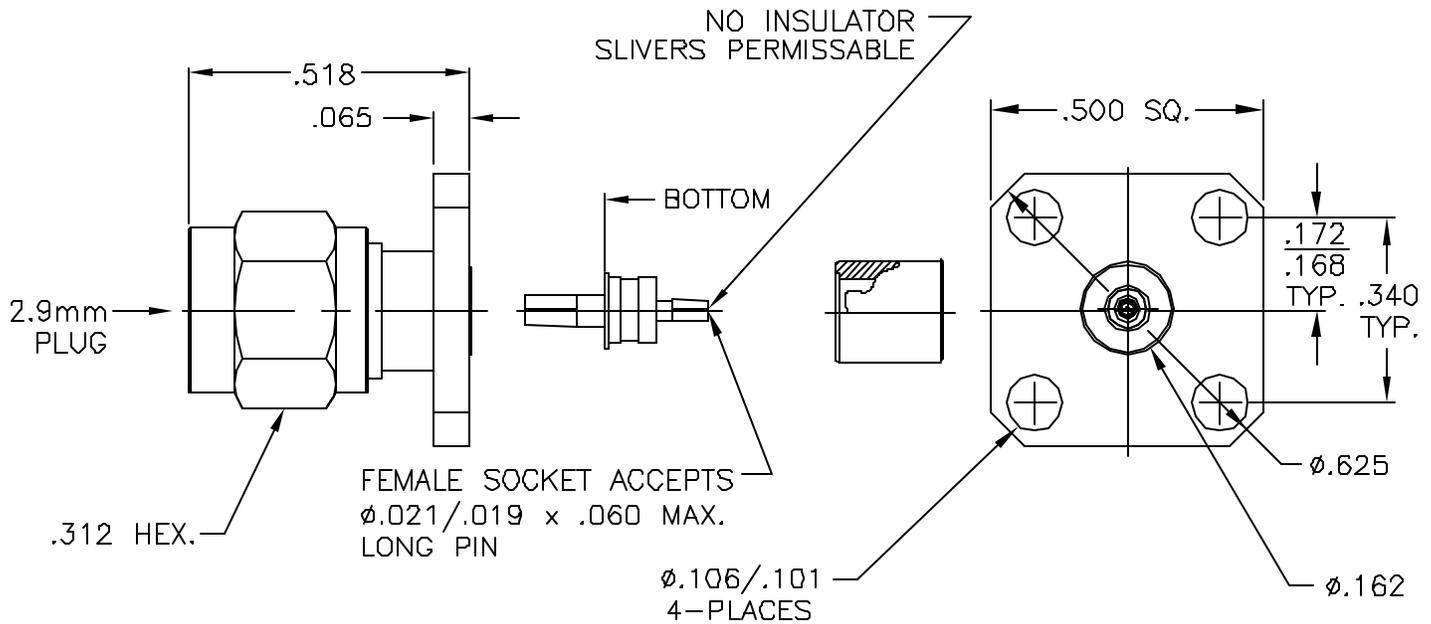


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.9mm, PLUG per MD-94.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz
VSWR (MAX.) *	1.05 + .01 x FGHz
INSERTION LOSS (dB MAX.)	.03 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)	-25° c TO + 100° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
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			<small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	03-1629			DECIMALS	FRACTIONAL	ANGULAR	
				X ± .030 XX ± .010 XXX ± .005	± 1/64	X° ± 1' 0" X° X' ± 15'	TITLE 2.9mm PLUG, 4 HOLE FLANGE MOUNT FOR .012 DIA. PIN
				DRAWN: G.E. DATE: 05/12/03			
				APP.: DATE:			
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9454-0085-6220

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 48.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

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 (-25° c TO +100° 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 106, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

CONNECTOR BODY, SLEEVE

AND COUPLING NUT _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A

CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.

INSULATOR _____ TEFLON

GASKET _____ SILICONE

SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

6. FINISH

CONNECTOR BODY , SLEEVE

AND COUPLING NUT _____ PASSIVATE PER QQ-P-35A, TYPE I

CONTACT & SLEEVE _____ GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR & GASKET _____ N/A



SHEET 2 OF 2

DWG.
NO.

9454-0085-6220

REV.

AA