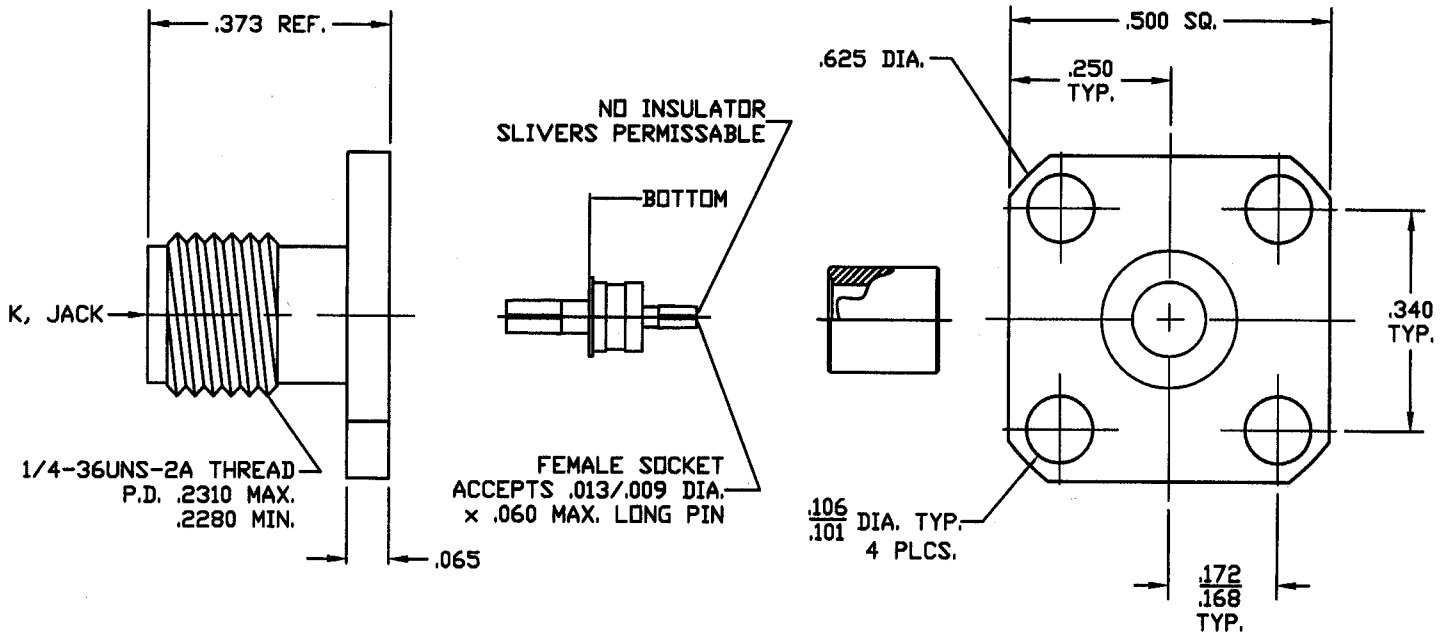


# SPECIFICATION CONTROL DRAWING



\* CONNECTOR SHIPPED AS SHOWN

## 1. MATING INTERFACE DIMENSIONS FOR 2.9MM, JACK per MD-95.

## 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)	-65°c TO + 165°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	02-0813	10/15/02	BW	DECIMALS X ± .030 XX ± .010 XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15'	
				DRAWN: <i>mb</i> DATE: 9/30/02			<b>TITLE</b> 2.9MM, JACK, HIGH TEMP. 4 HOLE FLANGE FIELD REPLACEABLE
				APP.: 10/14/02 DATE: <i>FW</i>			
				CODE IDENT. <b>2J899</b>	SHEET 1 OF 2	DWG. No. <b>9554-0085-6209</b>	

# 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° o TO +100° o )  
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

CONNECTOR BODY & SLEEVE \_\_\_\_\_ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A  
CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.  
INSULATOR \_\_\_\_\_ TEFLON

## 6. FINISH

CONNECTOR BODY & SLEEVE \_\_\_\_\_ PASSIVATE PER QQ-P-36A, TYPE I  
CONTACT \_\_\_\_\_ 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 \_\_\_\_\_ N/A

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SHEET 2 OF 2

DWG.  
NO.

9554-0085-6209

REV.

AA