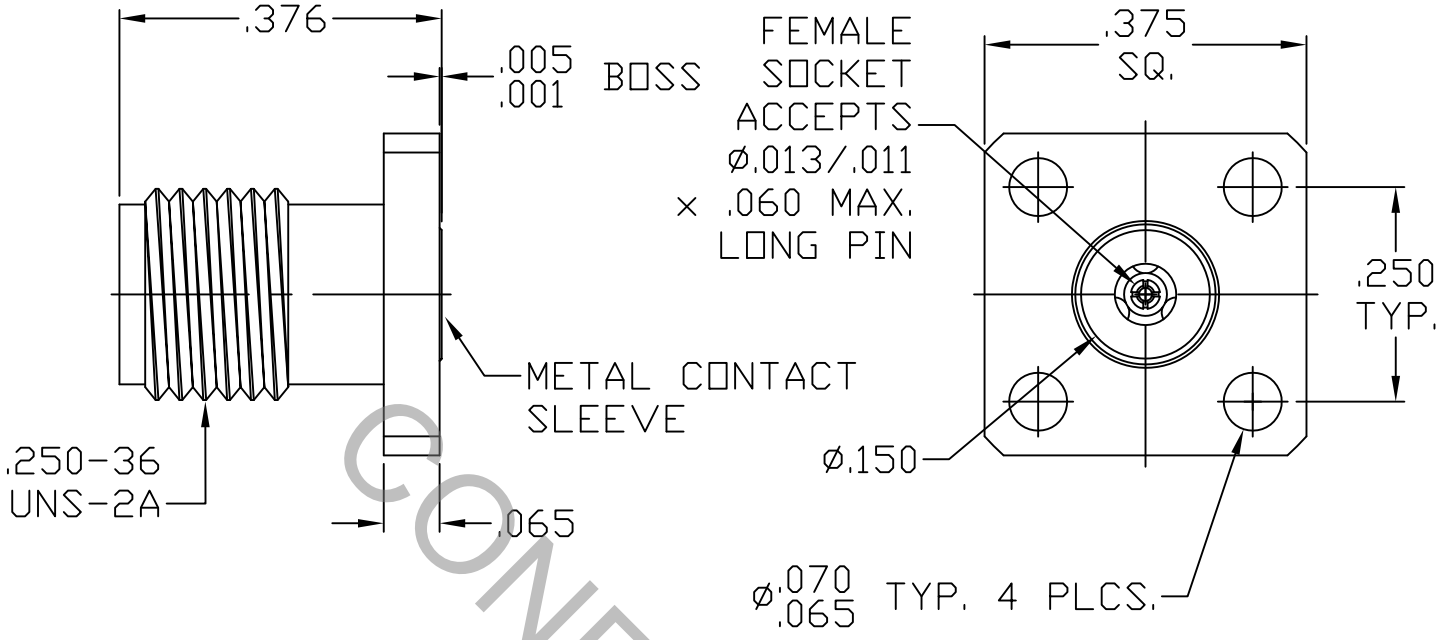
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS FOR 2.92mm, JACK per MIL-STD-348A FIG. 323.2

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 + 125°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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	10-1563	6/15/10	TS

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X°X' ± 15'

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN: TS DATE: 6/15/10

APP.: DC DATE: 6/15/10

TITLE
2.9mm JACK,
4 HOLE FLANGE MOUNT
FIELD REPLACEABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 9554-0085-6207

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 AND REAR 32.0
● WITHDRAWAL (MIN. OUNCES)	INTERFACE 2.0, REAR 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RRECOMMENDED MATING TORQUE	7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, COND. C (-25 °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)

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5. MATERIAL

CONNECTOR BODY & CONTACT SLEEVE	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACTS	BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD04.
INSULATOR	PLASTIC COMPOSIT

6. FINISH

BODY	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CONTACT SLEEVE	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 Min. Thk.) OVER NICKEL per QQ-N-290 (.000050 Min. Thk.) OVER WOODS OR WATTS NICKEL (.000010 Min. Thk.).
CONTACTS	GOLD PER ATSM-B-488, TYPE I, CODE C, CLASS .75 (.000030 Min. Thk.) OVER NICKEL per QQ-N-290, CLASS 1 (.000050 Min. Thk.) OVER COPPER PER MIL-C-14550 (000010 Min. Thk.).
INSULATORS	N/A