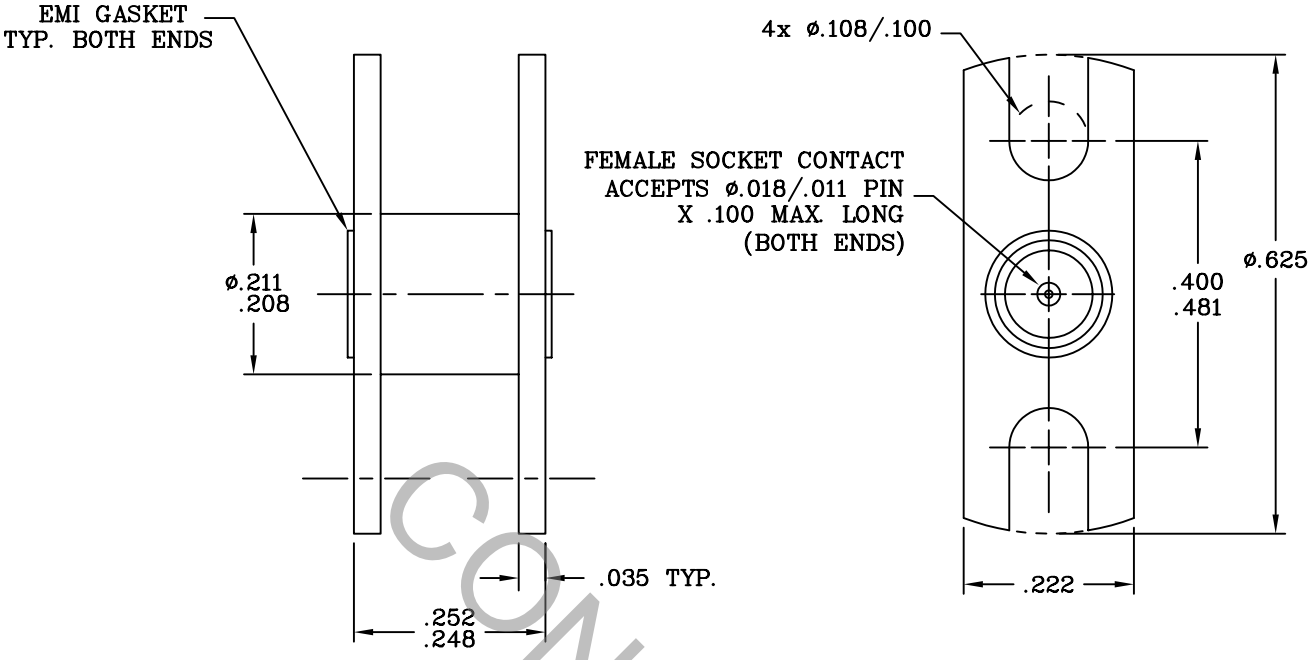
SPECIFICATION CONTROL DRAWING



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1. MATING NOT APPLICABLE

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 38.0 GHz.
VSWR (MAX.) ❋	1.05 + .006 x FGHz
INSERTION LOSS (dB MAX.) ❋	.03 dB x $\sqrt{FGHz}$
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)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	8.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

RoHS
COMPLIANT

❋TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
–	321	4/87	CDM
AA	08–1659	7/21/08	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

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

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN CDM DATE 7/15/03

APPROVED TS DATE 7/15/03

TITLE
MIC. PKG. INTERCONNECT
DOUBLE FLANGE "STANDARD"
.400/.481 HOLE SPACING

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 6252–0781–6215

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX.AXIAL FORCE — 4.0 LBS.
- MAX. RADIAL TORQUE — N/A

CENTER CONTACT MATING FORCES
- INSERTION (MAX. OUNCES) — 32.0
- WITHDRAWAL (MIN. OUNCES) — 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — N/A

CONNECTOR DURABILITY (MIN. CYCLES) — N/A

RECOMMENDED MATING TORQUE — N/A

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 °c TO + 200 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

BODY	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER QQ–C–530, ALLOY 173, COND. H.T.
INSULATOR	TEFLON PER D 1457
EMI GASKET	SILVER PLATED ALUMINUM IN SILICONE

6. FINISH

BODY	PASSIVATE PER AMS QQ–P–35, TYPE 2.
CONTACT	**GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 2.5 (.00010 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)**
INSULATOR	N/A
EMI GASKET	N/A