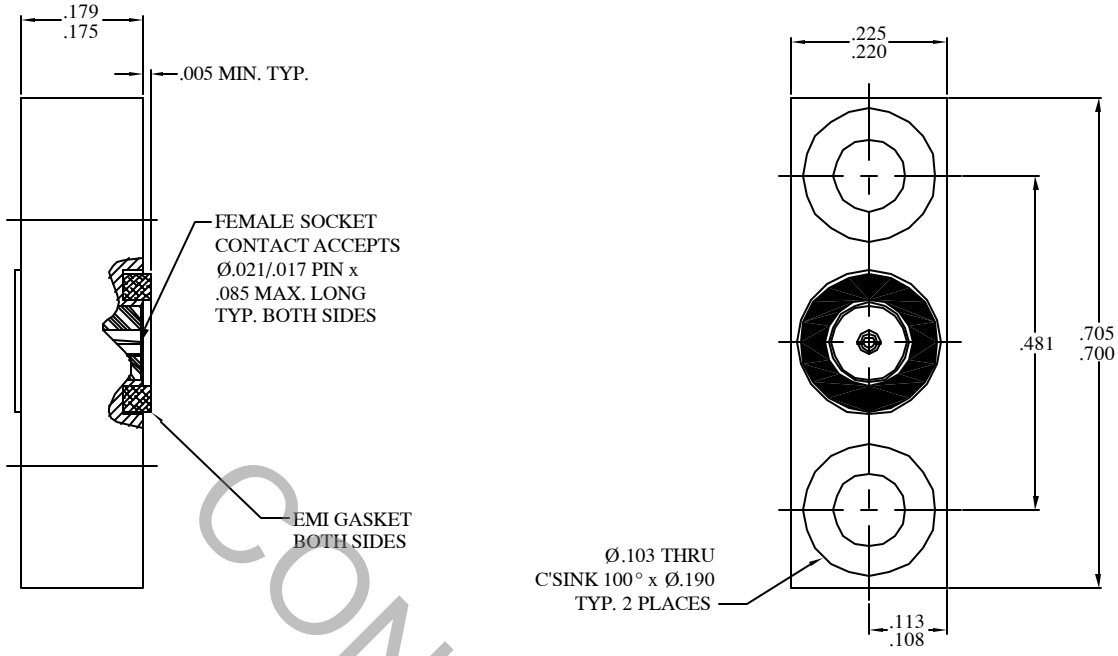
SPECIFICATION CONTROL DRAWING



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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

❁ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	04-1807	7/21/04	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .03D .XX ± .01D .XXX ± .005	± 1/64	X° ± 1° X° X' ± 15'

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN MRH DATE 6/28/04

APPROVED DC DATE 6/28/04

TITLE
MIC. PKG. INTERCONNECT
ACCEPTS ø.021/.017 PIN
.481 HOLE PATTERN

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 6352-0781-6228

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

MAX.AXIAL FORCE	4.0 LBS.
MAX. RADIAL TORQUE	N/A

CONNECTOR ENGAGEMENT 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 581, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER QQ–C–530, ALLOY 173, COND. H.T.
INSULATOR	TEFLON PER ASTM–D–1457
EMI GASKET	SILVER PLATED ALUMINUM IN SILICONE.

6. FINISH

BODY	PASSIVATE PER QQ–P–35A, TYPE I
CONTACT	GOLD PER MIL–G–45204, TYPE II, GRADE C, CLASS 2 (.000010 MIN. THK.) OVER NICKEL PER QQ–N–290 CLASS 1 (.000100 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)
INSULATOR	N/A
EMI GASKET	N/A