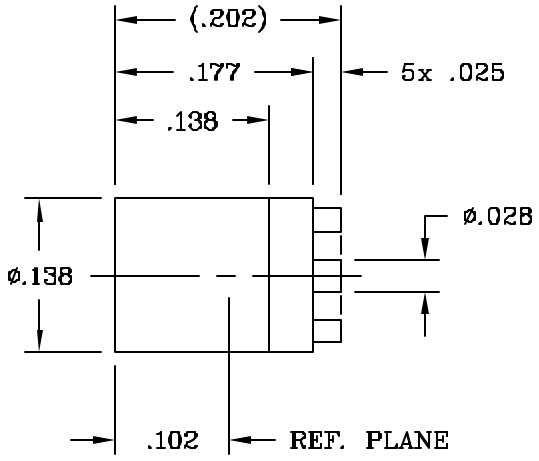
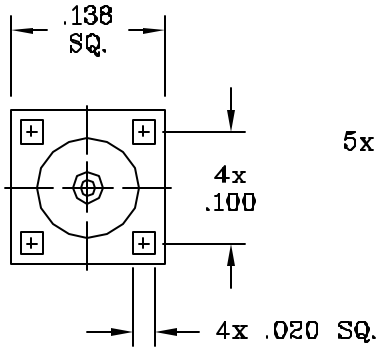
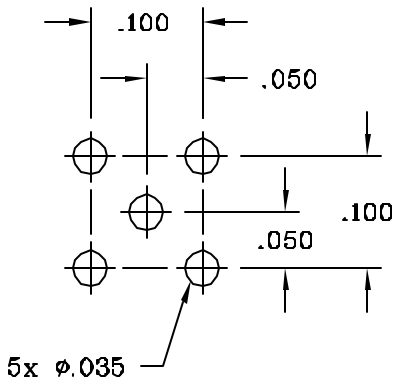
SPECIFICATION CONTROL DRAWING







MOUNTING PATTERN

1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-25.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 6 GHz.
VSWR (MAX.) ❁	1.25
INSERTION LOSS (dB MAX.)	.050 dB x $\sqrt{FGHz}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	70 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-55°c TO + 155°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	1,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	5.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.5

❁ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	03-1727		

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 01836

DRAWN G.E. DATE 05/29/03

APPROVED DATE

TITLE: MMCX, JACK, STRAIGHT, 4 POST SURFACE MOUNT

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 2520-0031-2402

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX. AXIAL FORCE — 2.3 LBS.
- MAX. RADIAL TORQUE — N/A

CONNECTOR ENGAGEMENT FORCES
- INSERTION (MAX. LBS.) — 3.4
- WITHDRAWAL (MIN. LBS.) — 1.4

CONNECTOR DURABILITY (MIN. CYCLES) — 500

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 155 °c)
SHOCK	MIL–STD–202, METHOD 107, COND. F (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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY NO. UNS V17300 TEMPER TD04.
INSULATOR	TEFLON PER D 1457.

6. FINISH

CONNECTOR BODY	GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.70 (.000030 MIN. THK.) OVER NICKEL PER QQ–N–290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK).
CENTER CONTACT	GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER QQ–N–290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000040 MIN. THK).
INSULATOR	N/A