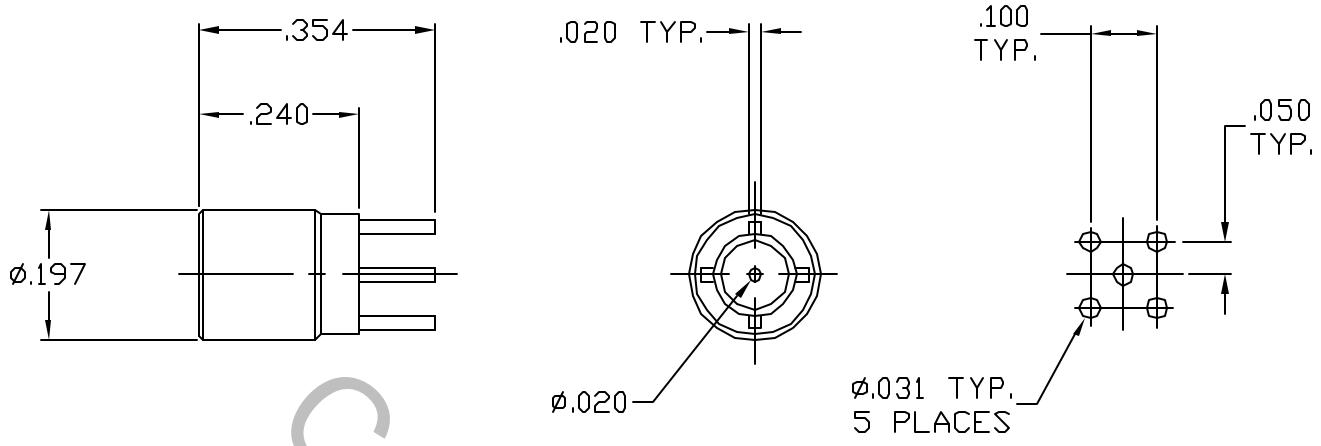
# SPECIFICATION CONTROL DRAWING




RECOMMENDED
MOUNTING HOLE

CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS PER CECC 22220, MCX, JACK AND DYNAWAVE SPECIFICATION MD-16.

2. ELECTRICAL

| | |
|---|---|
| FREQUENCY RANGE GHz | DC TO 6.0 GHz. |
| VSWR (MAX.) ❁ | 1.50:1 MAX. |
| INSERTION LOSS (dB MAX.) | .10 x $\sqrt{FGHz}$. |
| NOMINAL IMPEDANCE (OHMS) | 50 |
| VOLTAGE RATING (MAX. VRMS) | 170 |
| RF LEAKAGE (MIN. dB DOWN) | 60 dB - FGHz. |
| TEMPERATURE RATING (DEGREES CENTIGRADE) | -65° c TO +165° c |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | 500 |
| INSULATION RESISTANCE (MIN. MEGOHMS) | 5,000 |
| 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. |
|---|---|---|---|
| AA | 07-1249 | | |
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DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .X ±.030, .XX ±.010, .XXX ±.005 — FRACTIONAL ±1/64 — ANGULAR X° ±1°0', X° ±.X ±15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN TS DATE 3/7/07

APP. DC DATE 3/7/07

TITLE
MCX, JACK
STRAIGHT
4 POST, P.C. MOUNT
STRAIGHT TERMINAL

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1620-0031-2404

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE — 4.0 lbs.
- MIN. RADIAL TORQUE — N/A

CONNECTOR ENGAGEMENT FORCES
- INSERTION (MAX. LBS.) — N/A
- WITHDRAWAL (MIN. LBS.) — N/A

CONNECTOR DURABILITY (MIN. MATING) — 500

CENTER CONTACT ENGAGEMENT/DISENGAGEMENT (MAX. OZ.)
- INSERTION (MAX. OUNCES) — 32.0
- WITHDRAWAL (MIN. OUNCES) — 2.0

## 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

| | |
|---|---|
| CONNECTOR BODY | BRASS PER ASTM B16, TEMPER H02, ALLOY C36000 |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM B196/B, 196M–03 COPPER ALLOY No. UNS C17300 TEMPER TD04. |
| INSULATOR | TEFLON PER D 1457. |

## 6. FINISH

| | |
|---|---|
| CONNECTOR BODY | GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.75 (.000050 MIN. THK.) OVER NICKEL PER QQ–N–290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000040 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 |