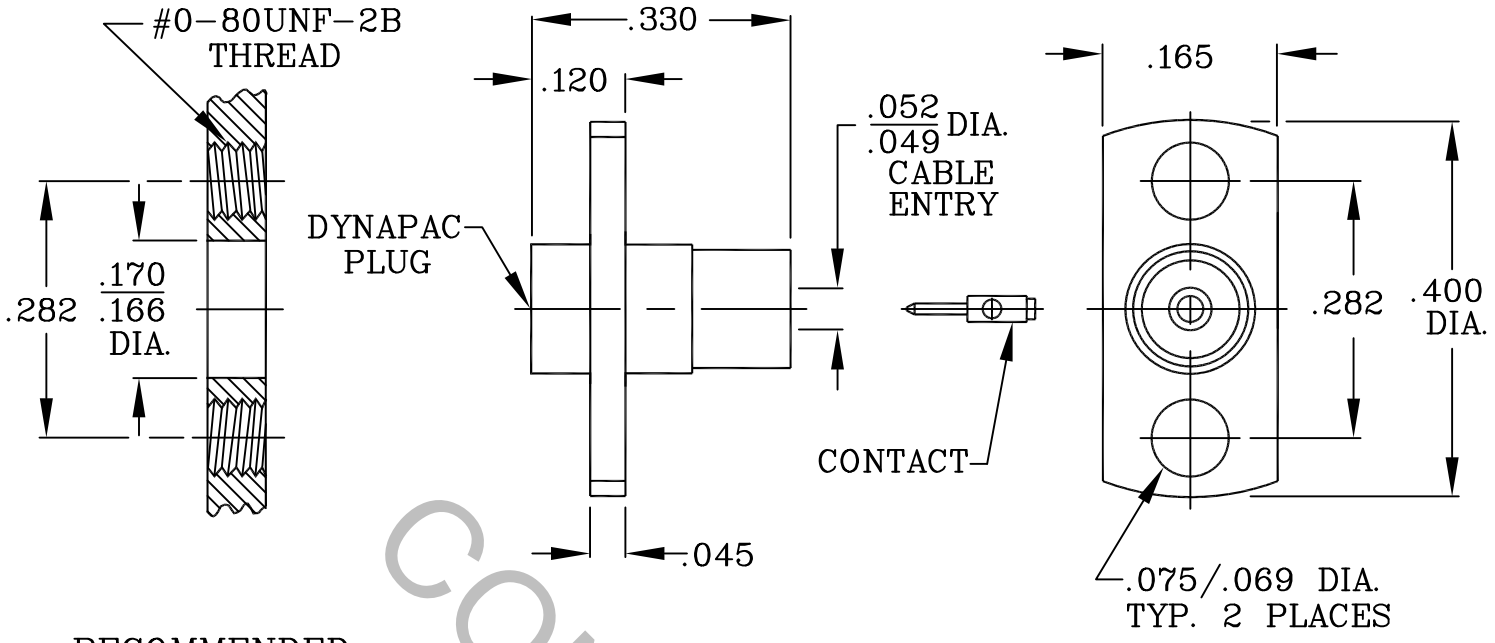
# SPECIFICATION CONTROL DRAWING




RECOMMENDED
MOUNTING HOLE

CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPEC. MD-21.

2. ELECTRICAL

| | |
|---|---|
| FREQUENCY RANGE GHz | DC TO 26.5 GHz. |
| VSWR (MAX.) ❋ (FULLY MATED) | 1.07 + .008 FGHz. |
| INSERTION LOSS (dB MAX.) | .045 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 + 165°c |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | 750 |
| INSULATION RESISTANCE (MIN. MEGOHMS) | 10,000 |
| CONTACT RESISTANCE | |
| • CENTER CONTACT (MAX. MILLIOHMS) | 3.0 |
| • OUTER CONTACT (MAX. MILLIOHMS) | 2.0 |

❋ TERMINATED IN A 50 OHM LOAD

**RoHS**
COMPLIANT

This Document contains proprietary and confidential information.

| REV. | DCN NO. | DATE | APP. |
|---|---|---|---|
| - | 1026 | 10/93 | M.B. |
| AA | 15-1453 | 3/26/15 | DC |

DIMENSIONS ARE IN INCHES
TOLERANCES

| DECIMALS | FRACTIONAL | ANGULAR |
|---|---|---|
| .X ±.030<br>.XX ±.010<br>.XXX ±.005 | ±1/64 | X° ±1°0'<br>X°0'X ±15' |

SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN M.B. DATE 10/93

APPROVED M.B. DATE 10/93

TITLE DYNAPAC, PLUG
2 HOLE FLANGE MOUNT
DIRECT SOLDER
TO .047 S.R. CABLE

CODE IDENT. 2J899

SHEET 1 of 2

DWG. NO. 2152-4720-6428

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE — 10.0 LBS.
- MIN. RADIAL TORQUE — 4.0 IN. OZ.

CONNECTOR ENGAGEMENT FORCE

- INSERTION (MAX. OUNCES) — N/A
- WITHDRAWAL (MIN. OUNCES) — N/A

CONNECTOR DURABILITY (MIN. MATING) — 500

## 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 & PRESS SLEEVE | STAINLESS STEEL PER ASTM A 582, TYPE 303, COND A. |
| CONTACT | BERYLLIUM COPPER PER ASTM B196/B 196M–03, COPPER ALLOY No. UNS C17300, TEMPER TD04. |
| INSULATOR | TEFLON PER ASTM D 1710–02, TYPE 1, GRADE 1, CLASS B. |
| INSULATOR | TORLON 4203 |

## 6. FINISH

| | |
|---|---|
| BODY | GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN.) OVER NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.000050 MIN.) OVER NICKEL (WOODS OR WATTS), (.000010 MIN.). |
| PRESS SLEEVE | GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN.) OVER NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.000150 MIN.) OVER NICKEL (WOODS OR WATTS), (.000010 MIN.). |
| CONTACT | GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN.) OVER NICKEL PER SAE–AMS–QQ–N–290, CLASS 1 (.000050 MIN.) OVER COPPER PER AMS–2418, (.000010 MIN.) |
| INSULATORS | N/A |