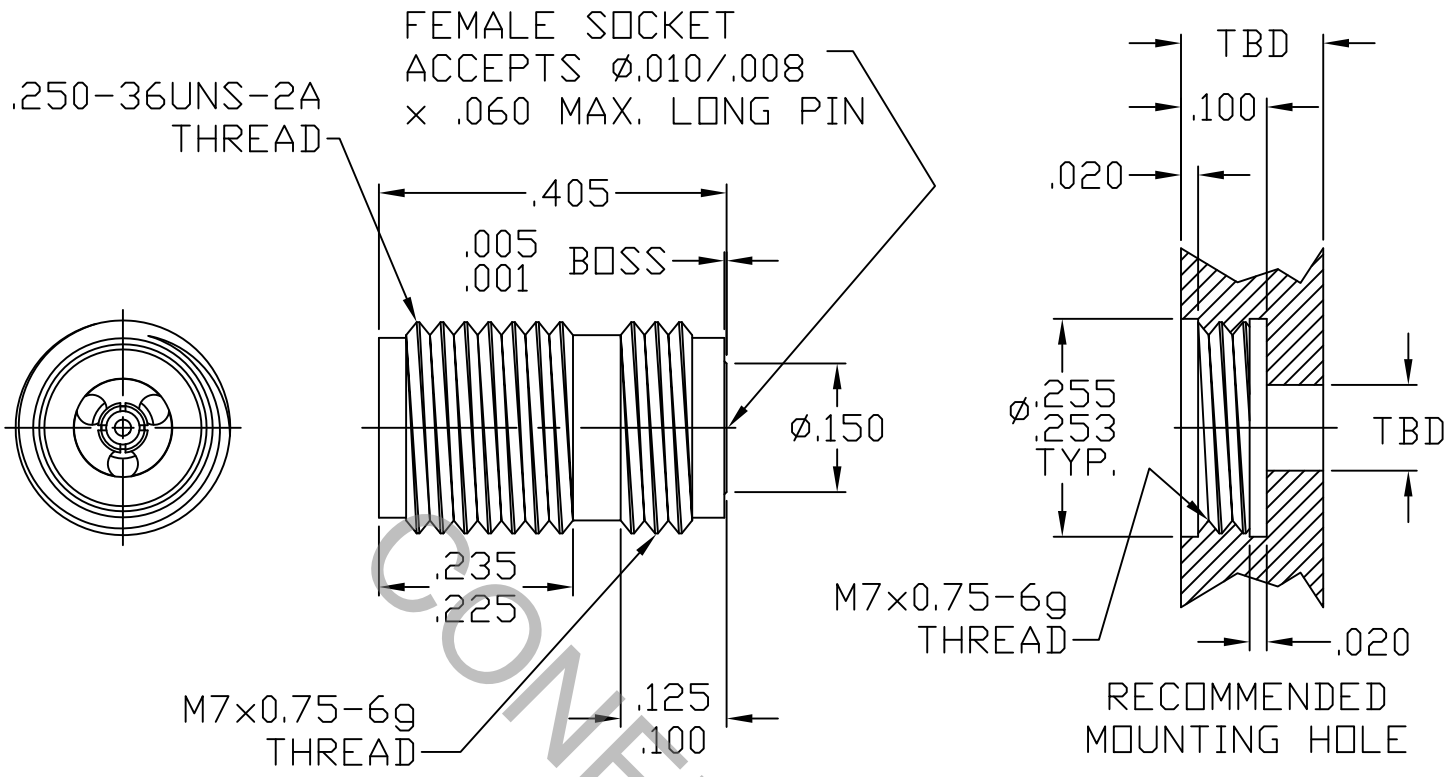
# SPECIFICATION CONTROL DRAWING

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1. MATING INTERFACE DIMENSIONS FOR 2.92mm, JACK per MIL-STD-348A FIG. 323.2

2. ELECTRICAL

| | |
|---|---|
| FREQUENCY RANGE GHz | DC TO 40.0 GHz |
| VSWR (MAX.) ❋ | 1.05 + .01 x FGHz |
| INSERTION LOSS (dB MAX.) | .03 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 + 125 °c |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | 750 |
| INSULATION RESISTANCE (MIN. MEGOHMS) | 10,000 |
| CONTACT RESISTANCE | |
| • CENTER CONTACT (MAX. MILLIOHMS) | 6.0 |
| • 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. |
|---|---|---|---|
| AA | 16-2109 | 9/9/16 | TS |
| AB | 16-2147 | 9/19/16 | TS |
| AC | 16-2156 | 9/20/16 | TS |
| | | | |
| | | | |
| | | | |
| | | | |

DIMENSIONS ARE IN INCHES
TOLERANCES

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

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN: TS DATE: 9/9/16

APP.: DC DATE: 9/9/16

TITLE
2.92mm JACK,
THREAD-IN,
ACCEPTS Ø.009 PIN

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 9530-0085-6201

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

| | |
|---|---|
| CAPTIVATION-CENTER CONTACT | |
| MAX. AXIAL FORCE | 6.0 LBS. |
| MAX. RADIAL TORQUE | N/A |
| CENTER CONTACT AXIAL FORCES | |
| ● INSERTION (MAX. OUNCES) | INTERFACE AND REAR 32.0 |
| ● WITHDRAWAL (MIN. OUNCES) | INTERFACE 2.0, REAR 1.0 |
| CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) | 2.0 |
| CONNECTOR DURABILITY (MIN. CYCLES) | 500 |
| RRECOMMENDED MATING TORQUE | 7 - 10 IN. LBS. |

## 4. ENVIRONMENTAL

| | |
|---|---|
| TEMPERATURE CYCLING | MIL-STD-202, METHOD 102, COND. C ( -25 °c TO + 125 °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 & METAL BOSS | STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A |
| CONTACTS | BERYLLIUM COPPER PER ASTM-B-196/M, 196-03, COPPER ALLOY No. UNS C17300, TEMPER TD04. |
| INSULATOR | PLASTIC COMPOSIT |

## 6. FINISH

| | |
|---|---|
| BODY | PASSIVATE PER AMS 2700, TYPE 2, CLASS 4. |
| METAL BOSS | GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25<br>(.000050 Min. Thk.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1<br>(.000050 Min. Thk.) OVER WOODS OR WATTS NICKEL (.000010 MIN. THK.) |
| CONTACTS | GOLD PER ATSM-B-488, TYPE I, CODE C, CLASS .75<br>(.000030 Min. Thk.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1<br>(.000050 Min. Thk.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.) |
| INSULATOR | N/A |