



| REVISIONS | | | |
|-----------|---------------------------|---------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A1 | REVISED PER ECO-11-005294 | 13APR11 | HMR |

| | | |
|----------------------|--|----------------------------|
| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 |
| DIELECTRIC | PTFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |
| CONTACT EXT. BUSHING | IRON-NICKEL-COBALT ALLOY PER MIL-I-23011 CLASS 1 (KOVAR) | GOLD PLATE PER MIL-G-45204 |
| "O" - RING | SILICONE RUBBER PER ZZ-R-765 | N/A |
| HERMETIC SEAL | GLASS BEAD | N/A |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|--|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. <u>310.2</u> | Temperature Rating <u>-65°C to +165°C</u> |
| Frequency Range (GHz) <u>DC to 18.0</u> | Recommended Mating Torque <u>7 - 10 in-lbs</u> | Vibration MIL-STD-202, Method 204, Condition D. |
| Volt Rating (VRMS MAX) @ Sea Level <u>33500</u> | Mating Characteristics: Insertion (MAX lbs) <u>3.0</u> | Shock MIL-STD-202, Method 213, Condition I. |
| VSWR <u>1.05 + .01 f(GHz)</u> | Withdrawal (MIN oz) <u>1.0</u> | Thermal Shock MIL-STD-202, Method 107, Condition B. |
| Insertion Loss (dB MAX) <u>.04 √f(GHz)</u> | Force to Engage and Disengage (in-lbs MAX) <u>2.0</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) [<u>-70 - f(GHz)</u>] | Center Contact Captivation Axial (lbs) <u>6.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u> | Radial (in-oz) <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u> | Cable Retention Axial Force (lbs) <u>N/A</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>10.0</u> | Torque (in-oz) <u>N/A</u> | |
| Outer Contact <u>2.0</u> | Weight (Grams) <u>TBD</u> | |
| Cable to Housing <u>N/A</u> | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u> | | |
| LR.(Megohms MIN) <u>5,000</u> | | |

| COMPONENT | MATERIAL | FINISH |
|--|-----------------------------|---------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | | |
| FRAC. | DEC. | ANGLES |
| ± 1/64 | ±.005 | ± ° |
| DRAWN BY <u>BW</u> DATE <u>7/3/68</u> | | |
| CHECKED BY <u>PRB</u> DATE <u>3/14/69</u> | | |
| APPD BY <u>3/14/69</u> | | |
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| USE ASS'Y PROCEDURE | | |
| NO. AP. <u>N/A</u> | | |
| | | |
| TITLE <u>"OS'M BULKHEAD JACK HERMETICALLY SEALED .020 DIA PIN</u> | | |
| SIZE <u>B</u> | CODE IDENT NO. <u>26805</u> | REV <u>A1</u> |
| SCALE <u>5 : 1</u> | | SHEET <u>1 OF 1</u> |