



| ELECTRICAL  | MECHANICAL  | ENVIRONMENTAL   |
|---|---|---|
| Nominal Impedance (Ohms) <u>50</u>                                  | Interface Dimensions MIL-STD-348A, Fig. 406.1         | Temperature Rating <u>-65°C to +105°C</u>                       |
| Frequency Range (GHz) DC to <u>15</u>                               | Recommended Mating                                    | Vibration MIL-STD-202, Method 204, Condition B.                 |
| Volt Rating (VRMS MAX) @ Sea Level <u>500</u>                       | Torque <u>12 - 15 in-lbs</u>                          | Shock MIL-STD-202, Method 213, Condition I.                     |
| VSWR <u>1.35 MAX f(GHz)</u>   | Mating Characteristics:                               | Thermal Shock MIL-STD-202, Method 107, Condition B.             |
| Insertion Loss (dB MAX) <u>.06 V(GHz)</u>                           | Insertion (MAX Lbs) <u>2.0</u>                        | Except High Temp <u>+115°C</u>                                  |
| RF Leakage (dB MIN) <u>-60 @ 2-3GHz</u>                             | Withdrawal (MIN Oz) <u>2.0</u>                        | Moisture Resistance MIL-STD-202, Method 106                     |
| Corona, 70,000 Ft (VRMS MIN) <u>375</u>                             | Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,500</u> | Center Contact Captivation                            |   |
| Contact Resistance (Milliohms MAX)                                  | Axial (Lbs) <u>6.0</u>                                |   |
| Center Contact <u>1.5</u>   | Radial (In-Oz) <u>N/A</u>                             |   |
| Outer Contact <u>0.2</u>  | Cable Retention                                       |   |
| Cable to Housing <u>0.5</u>   | Axial Force (Lbs MIN) <u>60.0</u>                     |   |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1,000</u>       | Torque (In-Oz) <u>3.5</u>                             |   |
| I.R.(Megohms MIN) <u>5,000</u>                                      | Weight (Grams) <u>TBD</u>                             |   |

| COMPONENT      | MATERIAL   | FINISH  |
|----------------|--|---|
| HOUSING        | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303      | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290 |
| DIELECTRIC     | TFE 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 OVER NICKEL PLATE PER QQ-N-290 |

|   |                       |                     |   |
|---|-----------------------|---------------------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWN BY <u>RMK</u>   | DATE <u>5-12-69</u> | <b>AMP</b><br>AMP Incorporated<br>140 Fourth Avenue<br>Waltham, MA 02451-7599 |
| TOLERANCE ON  | CHECKED BY <u>PRB</u> | DATE <u>5/12/69</u> |   |
| FRAC. DEC. ANGLES                                   | APPD BY               | DATE <u>5/12/69</u> |   |
| ± 1/64 ±.005 ± °                                    |                       |                     |   |

|                         |   |                             |                            |
|-------------------------|---|-----------------------------|----------------------------|
| USE ASS'Y PROCEDURE     | TITLE <u>TNC 4 HOLE FLANGE MOUNT CABLE JACK DIRECT SOLDER</u> |                             |                            |
| 408-08203               | SIZE <u>B</u>   | CODE IDENT NO. <u>26805</u> | REV <u>01</u>              |
| NO. AP. <u>(31-003)</u> | SCALE <u>4 : 1</u>  |                             | SHEET <u>1</u> OF <u>1</u> |

CUSTOMER DRAWING

AMP PART # 1057697-1  
SHEET 1 OF 1 REV A