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|------------------------------|---------|
| DESIGNED FOR USE WITH | .141 SR |
| CABLE ENTRY DIAMETER MINIMUM | |
| HOUSING | .141 |
| CONTACT | .038 |

| REVISIONS | | | |
|-----------------|-------------|---------|------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01 ₀ | RELEASED | 9/20/96 | <i>RAC</i> |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|--|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig. 310-2 | Temperature Rating <u>-65 TO +165°C</u> |
| Frequency Range (GHz) DC to <u>18</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>500</u> | Mating Characteristics: Insertion (MAX Lbs) <u>2</u> | Shock MIL-STD-202, Method 213, Condition I |
| VSWR <u>1.05 + .008 F(GHz)</u> | Withdrawal (MIN Oz) <u>1</u> | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +115°C |
| Insertion Loss (dB MAX) <u>.03 √f(GHz)</u> | Force to Engage and Disengage (In-Lbs MAX) <u>2</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) <u>-90</u> | Center Contact Captivation: Axial (Lbs) <u>N/A</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>375</u> | Radial (In-Oz) <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,500</u> | Cable Retention: Axial Force (Lbs) <u>60</u> | |
| Contact Resistance (Milliohms MAX): Center Contact <u>3.0</u> | Torque (In-Oz) <u>55</u> | |
| Outer Contact <u>2.0</u> | Weight (Grams) <u>TBD</u> | |
| Cable to Housing <u>0.5</u> | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1,000</u> | | |
| LR.(Megohms MIN) <u>5,000</u> | | |

| COMPONENT | MATERIAL | FINISH |
|----------------|--|----------------------------|
| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 |
| DIELECTRIC | TFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 |

| | | | |
|---|-----------------------|-----------------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWN BY K.LE | DATE 8-21-96 | AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1° | CHECKED BY | | |
| These drawings and specifications are the property of M/A COM Interconnect Div. and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission. | APPD BY <i>RAC</i> | DATE 9/20/96 | |

| | | | |
|----------------------------|---|----------------------|---------------------|
| USE ASSY PROCEDURE | TITLE "OSM" STRAIGHT CABLE JACK DIRECT-SOLDER ATTACHMENT M39012/81-3006 CAT E | | |
| NO. AP. 408-04836 (20-550) | SIZE B | CODE IDENT NO. 26805 | REV 01 ₀ |
| | SCALE 8:1 | SHEET 1 OF 1 | |

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