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| DESIGNED FOR USE WITH .085 DIA S.R. CABLE | |
| CABLE ENTRY DIAMETER MINIMUM | .0215 |
| CONTACT | .088 |
| HOUSING | |

| REVISIONS | | | |
|-----------------|--------------------------------|--------------|--------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 02 ₁ | SEE ECN 80-0085 | GB 2-4-80 | TS 2/4/80 |
| 02 ₂ | REDRAWN ON CAD PER ECN 88-0678 | BB 9-3-91 | <i>[Signature]</i> |

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| HOUSING | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290 |
| COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303 | PASSIVATE PER ASTM-A380 |
| 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 COPPER PLATE PER MIL-C-14550 |
| RETAINING RING | BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H | N/A |
| GASKET | SILICONE RUBBER PER ZZ-R-765 | N/A |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|--|--|
| Nominal Impedance (Ohms) 50 | Interface Dimensions MIL-STD-348A | Temperature Rating -65°C to 105°C |
| Frequency Range (GHz) DC to 18.0 | Fig. 310.1 | Vibration MIL-STD-202, Method 204, Condition D |
| Volt Rating (VRMS MAX) | Recommended Mating | Shock MIL-STD-202, Method 213, Condition 1 |
| Sea Level 335 | Torque 7 to 10 in-LBs | Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C |
| VSWR 1.07 ± .008 (GHz) | Mating Characteristics: | Moisture Resistance MIL-STD-202, Method 106 |
| Insertion Loss (dB MAX) .03 √(GHz) | Insertion (MAX Lbs) N/A | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| RF Leakage (dB MIN) -(90-(GHz)) | Withdrawal (MIN Oz) N/A | |
| Corona, 70,000 Ft (VRMS MIN) 250 | Force to Engage and Disengage (in-Lbs MAX) 2.0 | |
| Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1000 | Center Contact Captivation | |
| Contact Resistance (Milliohms MAX) | Axial (Lbs) N/A | |
| Center Contact 3.0 | Radial (in-Oz) N/A | |
| Outer Contact 2.0 | Cable Retention | |
| Cable to Housing 0.5 | Axial Force (Lbs) 30 | |
| RF High Potential Sea Level (VRMS MIN) 5 MHz 670 | Torque (in-Oz) 16 | |
| IR (Megohms MIN) 5,000 | Weight (Grams) T.B.D. | |

| COMPONENT | MATERIAL | FINISH |
|--|-------------|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON | | |
| FRAC. | DEC. | ANGLES |
| ± 1/64 | ± .005 | ± ° |
| DRAWN BY JPD | DATE 9/1/76 | AMP Incorporated |
| CHECKED BY | | 140 Fourth Avenue |
| APPD BY RMF | 9/13/76 | Waltham, MA 02451-7599 |
| USE ASSY PROCEDURE | 408-04762 | TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT |
| NO. AP. (20-004) | | SIZE B CODE IDENT NO. 26805 |
| | | 2001-5032-02 |
| | | SCALE 5:1 |
| | | REV 02 ₂ |
| | | SHEET 1 OF 1 |

CUSTOMER DRAWING AMP PART # 1050548-1 SHEET 1 OF 1 REV A