



| CABLE ENTRY DIAMETER MINIMUM | | REVISIONS | | |
|------------------------------|----------------------------|-----------|--------------------|--|
| REV | DESCRIPTION | DATE | APPROVED | |
| 021 | | | | |
| 022 | REDRAWN ON CAD ECN 92-0009 | 8/5/93 | <i>[Signature]</i> | |
| CONTACT | .021 | | | |
| HOUSING | .066 | | | |
| FERRULE | .126 | | | |

| 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 |
| 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 |
| SHRINK TUBING | HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4 | N/A |
| FERRULE | SOFT COPPER ALLOY | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|---|---|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions MIL-STD-348A, Fig <u>310.1</u> | Temperature Rating <u>-65°C TO +165°C</u> |
| Frequency Range (GHz) DC to <u>12.4</u> | Recommended Mating Torque <u>7 TO 10 INCH/LBS</u> | Vibration MIL-STD-202, Method 204, Condition B |
| Volt Rating (VRMS MAX) @ Sea Level <u>250</u> | Mating Characteristics: | Shock MIL-STD-202, Method 213, Condition I |
| VSWR <u>1.15 + .02(1GHZ)</u> | Insertion (MAX Lbs) <u>N/A</u> | Thermal Shock MIL-STD-202, Method 107, Condition C |
| Insertion Loss (dB MAX) <u>.06</u> $\sqrt{f(1GHZ)0.6GHZ}$ | Withdrawal (MIN Oz) <u>N/A</u> | Moisture Resistance MIL-STD-202, Method 106, |
| RF Leakage (dB MIN) <u>-60</u> 6 to 8 GHZ | Force to Engage and Disengage (In/Lbs MAX) <u>2.0</u> | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Corona, 70,000 Ft (VRMS MIN) <u>190</u> | Center Contact Captivation Axial (Lbs) <u>N/A</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u> | Radial (In/Oz) <u>N/A</u> | |
| Contact Resistance (Milliohms MAX) Center Contact <u>3.0</u> | Cable Retention Axial Force (Lbs) <u>2.0</u> | |
| Outer Contact <u>2.0</u> | Torque (In/Oz) <u>N/A</u> | |
| Cable to Housing <u>0.5</u> | Weight (Grams) <u>2.7</u> | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u> | | |
| IR (Megohms MIN) <u>5000</u> | | |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | TOLERANCE ON | | DATE | | AMP Incorporated | |
|---|---------|--------------|-----|----------------------|---------|---|--|
| FRACTION | DECIMAL | ANGLES | ± ° | DATE | DATE | 140 Fourth Avenue Waltham, MA 02451-7599 | |
| ± 1/64 | ± .005 | ± ° | | 10/12/76 | 2/17/77 | AMP | |
| DRAWN BY DRP | | | | CHECKED BY KWW | | APPD BY BWC | |
| USE ASSY PROCEDURE | | | | 408-04756 (20-040) | | TITLE OSM STRAIGHT CABLE PLUG SOLDER ATTACHMENT | |
| NO. AP. (20-040) | | SCALE 5:1 | | CODE IDENT NO. 26805 | | 2031-5003-02 | |
| | | | | | | REV 022 | |
| | | | | | | SHEET 1 OF 1 | |

CUSTOMER DRAWING

AMP PART # 1051644-1
SHEET 1 OF 1 REV A