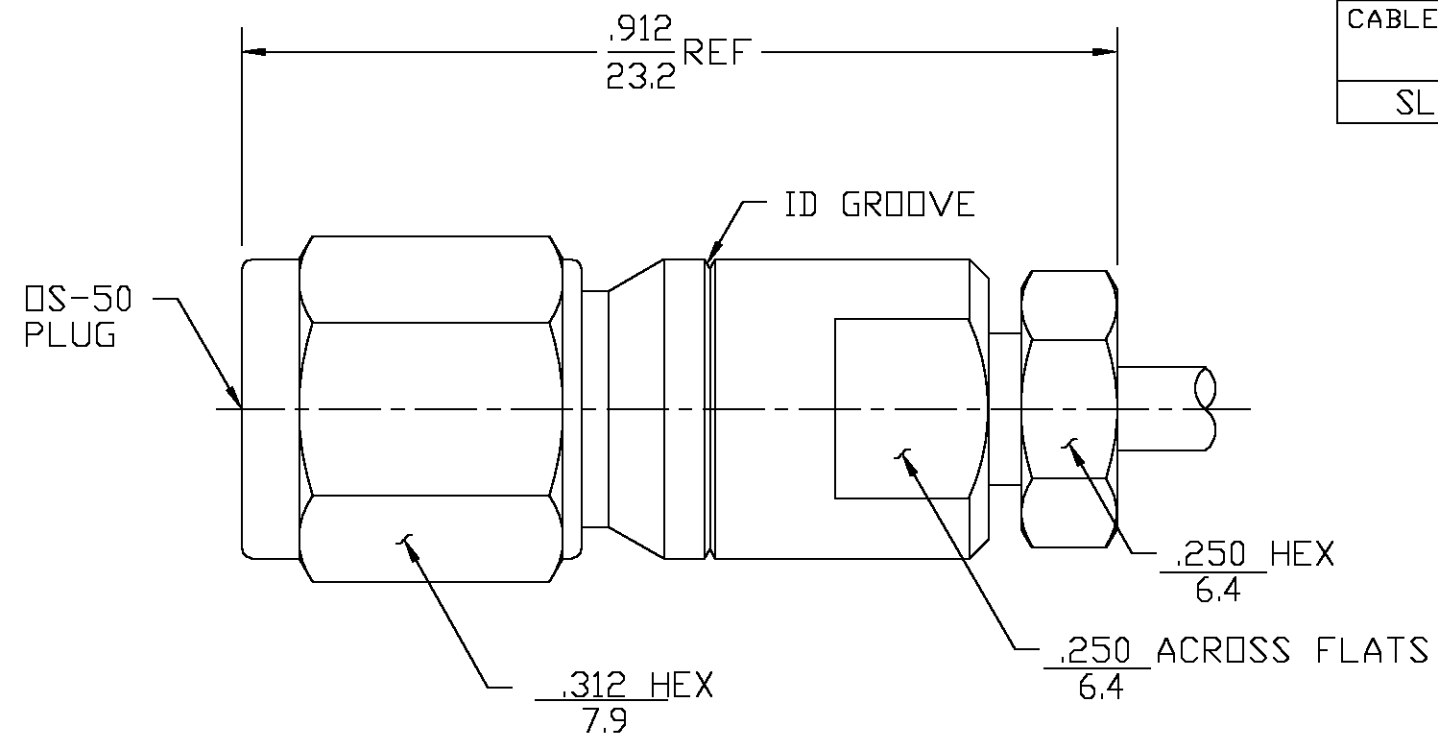


DESIGNED FOR USE WITH
 .085 SEMI-RIGID CABLE
 CABLE ENTRY DIAMETER
 MINIMUM
 SLEEVE .089

| REVISIONS | | | |
|-----------------|-------------|----------|------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 03 ₀ | REVISED | 12/14/94 | <i>JAD</i> |



1063291-1
 PART NUMBER

| COMPONENT | MATERIAL | FINISH |
|---|---|-------------------------------|
| HOUSING CLAMP NUT BUSHING COUPLING NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303 | PASSIVATE PER QQ-P-35 |
| SLEEVE | 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 |
| RETAINING RING | BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H | N/A |
| GASKET | SILICON RUBBER PER ZZ-R-765 | N/A |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|--|---|
| NOMINAL IMPEDANCE (OHMS) <u>50 ± 1</u> | Interface Dimensions <u>See Catalogue</u> | TEMPERATURE RATING <u>-55° TO +125°C</u> |
| Frequency Range (GHz) DC to <u>50</u> | Mating Characteristics: | Vibration MIL-STD-202, Method 204, Condition D, 20Gs |
| Volt Rating (VRMS MAX) @ Sea Level <u>N/A</u> | Insertion (MAX Lbs) <u>2</u> | Shock MIL-STD-202, Method 213, Condition I, 100Gs |
| VSWR DC to 18 GHz : <u>1.11MAX</u> | Withdrawal (MIN Oz) <u>1</u> | Thermal Shock MIL-STD-202, Method 107, Condition B |
| 18 to 26.5 GHz : <u>1.13MAX</u> | Force to Engage (In/Lbs MAX) <u>2</u> | Moisture Resistance MIL-STD-202, Method 106 |
| 26.5 to 50 GHz : <u>1.29MAX</u> | Center Contact Captivation | Corrosion - MIL-STD-202, Method 101, Condition B |
| Insertion Loss (dB MAX) <u>.07x√F(GHz)</u> | Axial (Lbs) <u>4</u> | |
| RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(90-f(GHz))</u> | Cable Retention | |
| Corona, 70,000 Ft (VRMS MIN) <u>150</u> | Axial (Lbs MIN) <u>30</u> | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>500</u> | Torque (In-Oz) <u>16</u> | |
| Contact Resistance (Milliohms MAX) | | |
| Center Contact <u>4.0</u> | | |
| Outer Contact <u>4.0</u> | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>600</u> | | |
| I.R.(Megohms MIN) <u>5000</u> | | |

.XXX = in
 XX.X = mm

| | | | | | |
|---|--|---|------------------|---|------------------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRAWN BY <u>DAC</u> | DATE <u>12-01-88</u> | AMP | AMP Incorporated | |
| FRAC. DEC. ANGLES ± 1/64 ± .005 ± 1' | CHECKED BY <u>DAC</u> | <u>12-14-88</u> | | 140 Fourth Avenue Waltham, MA 02451-7599 | |
| | APPROVED BY <u>R.G.</u> | <u>12-14-88</u> | | | |
| These drawings and specifications are the property of M/A CDM 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. | USE ASS'Y PROCEDURE | TITLE <u>DS-50 PLUG SOLDER CLAMP</u> | SIZE <u>B</u> | CODE IDENT NO. <u>26805</u> | REV <u>03₀</u> |
| | 408-04616 (85-002) NO. AP. _____ | SCALE <u>5:1</u> | 8501-7885-02 | | SHEET 1 OF 1 |