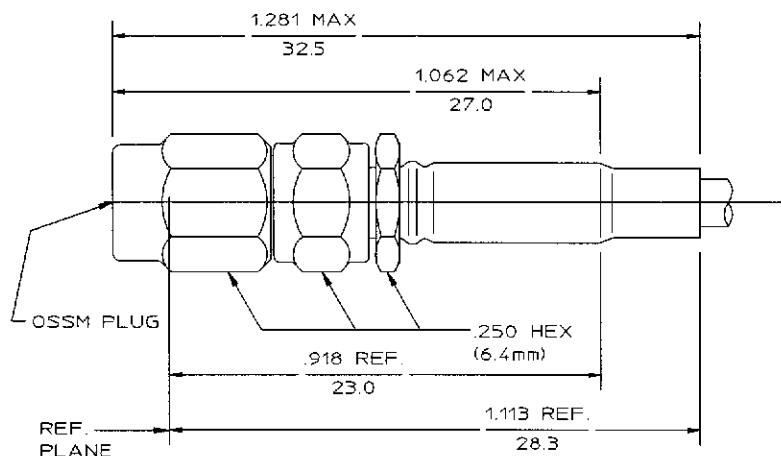




# NOTES:

1. CAPTURED CENTER CONTACT

|                                       |     |
|---------------------------------------|-----|
| DESIGNED FOR USE WITH<br>RG174, RG316 |     |
| CABLE ENTRY DIAMETER<br>MINIMUM       |     |
| SLEEVE                                | 067 |
| CONTACT                               | 023 |

| REVISIONS |             |         |                   |
|-----------|-------------|---------|-------------------|
| REV       | DESCRIPTION | DATE    | APPROVED          |
| 02        | REVISED     | 5/30/97 | Janczar <i>PW</i> |

|                   |                                                                          |                            |
|-------------------|--------------------------------------------------------------------------|----------------------------|
| HOUSING CLAMP NUT | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303                    | GOLD PLATE PER MIL-G-45204 |
| COUPLING NUT      | STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303                    | PASSIVATE PER QQ-P-35      |
| DIELECTRIC        | PTFE 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               | GOLD PLATE PER MIL-G-45204 |
| RETAINING RING    | BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H               | N/A                        |
| SLEEVE            | BRASS PER ASTM-B-16, HALF HARD                                           | GOLD PLATE PER MIL-G-45204 |
| GASKET            | SILICONE RUBBER PER ZZ-R-765                                             | N/A                        |
| SHRINK TUBING     | HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4                        | N/A                        |
| FERRULE           | COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM                               | GOLD PLATE PER MIL-G-45204 |
| COMPONENT         | MATERIAL                                                                 | FINISH                     |

|                                                                                                                                                                                                                                     |                          |                                                        |                                                                                                                          |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES                                                                                                                                                                              | DRAWN BY<br>LROSS        | DATE<br>3-15-89                                        |  M/A-COM, Inc.<br>Waltham, MA 02254 |           |
|                                                                                                                                                                                                                                     | CHECKED BY<br>K.C. MAHER | 3/16/89                                                |                                                                                                                          |           |
|                                                                                                                                                                                                                                     | APPROVED BY<br>LB        | 4/5/89                                                 |                                                                                                                          |           |
| GEN. TOL.<br>±.005                                                                                                                                                                                                                  | ANGLES<br>± 1°           |                                                        |                                                                                                                          |           |
| 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 a product without written permission. | USE ASSY PROCEDURE       | TITLE<br>OSSM STRAIGHT<br>CABLE PLUG- CRIMP ATTACHMENT |                                                                                                                          |           |
|                                                                                                                                                                                                                                     | NO. 10-055               | SIZE<br>B                                              | CODE IDENT NO.<br>26805                                                                                                  | REV<br>02 |
|                                                                                                                                                                                                                                     | NO. A                    | 1031-5031-92                                           |                                                                                                                          |           |
|                                                                                                                                                                                                                                     |                          | SCALE<br>4:1                                           | SHEET 1 OF 1                                                                                                             |           |

| ELECTRICAL                                                | MECHANICAL                                    | ENVIRONMENTAL                                                   |
|-----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                               | Interface Dimensions MIL-STD-348A, Fig 319.1  | Temperature Rating -55°C to +105°C                              |
| Frequency Range (GHz) DC to 12.4                          | Recommended Mating Torque 5 in-lbs            | Vibration MIL-STD-202, Method 204, Condition D.                 |
| Volt Rating (VRMS MAX) 0 Sea Level 250                    | Mating Characteristics                        | Shock MIL-STD-202, Method 213, Condition I.                     |
| VSWR 1.07 ±0.15 f(GHz)                                    | Insertion (MAX Lbs) N/A                       | Thermal Shock MIL-STD-202, Method 107, Condition B.             |
| Insertion Loss (dB MAX) .04 √f(GHz)                       | Withdrawal (MIN Oz) N/A                       | Except High Temp +105°C                                         |
| RF Leakage (dB MIN) -50 @ 2-3 GHz                         | Force to Engage and Disengage (In-Lbs MAX) 20 | Moisture Resistance MIL-STD-202, Method 106                     |
| Corona, 70,000 Ft (VRMS MIN) 190                          | Center Contact Captivation                    | Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray |
| Dielectric Withstanding Voltage (VRMS MIN @ Sea Level 750 | Axial (Lbs) 40 MIN                            |                                                                 |
| Contact Resistance (Milliohms MAX)                        | Radial (In-Oz) N/A                            |                                                                 |
| Center Contact 20                                         | Cable Retention                               |                                                                 |
| Outer Contact 20                                          | Axial Force (Lbs MIN) 20.0                    |                                                                 |
| Cable to Housing 0.5                                      | Torque (In-Oz) N/A                            |                                                                 |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500      | Weight (Grams) TBD                            |                                                                 |
| IR (Megohms MIN) 5,000                                    |                                               |                                                                 |

.XXX = In  
XX.X = mm (REF)

CUSTOMER

1045486

SHEET 1 OF 1  
REV 0

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