

ENG. FILE COPY

M39012/55-3028

## NOTES:

1. MATING:

Interface dimensions per Mil-C-39012/SMA Series and Solitron/Microwave MD-107.

2. MATERIALS:

Body, Coupling Nut: . Stainless Steel per AMS-5640,  
Type 303, Cond. A.

Crimp Ring: . . . . . Copper per WW-T-799, Type K, Form A, Class 1.  
Dielectric: . . . . . Teflon per Mil-P-19468A, and L-P-403,  
Type I.

Gasket: . . . . . Silicone Rubber per ZZ-R-765, Class IIB,  
Grade 50 or 60.

Shrink Tubing: . . . . . SCL Polyolefin per Mil-I-23053/4, Class 1.

Contact & Lock Ring: . Beryllium Copper per QQ-C-530, Cond. H,  
Alloy 173.

3. FINISH:

Body, Coupling Nut: . Passivate per QQ-P-35A, Type I.

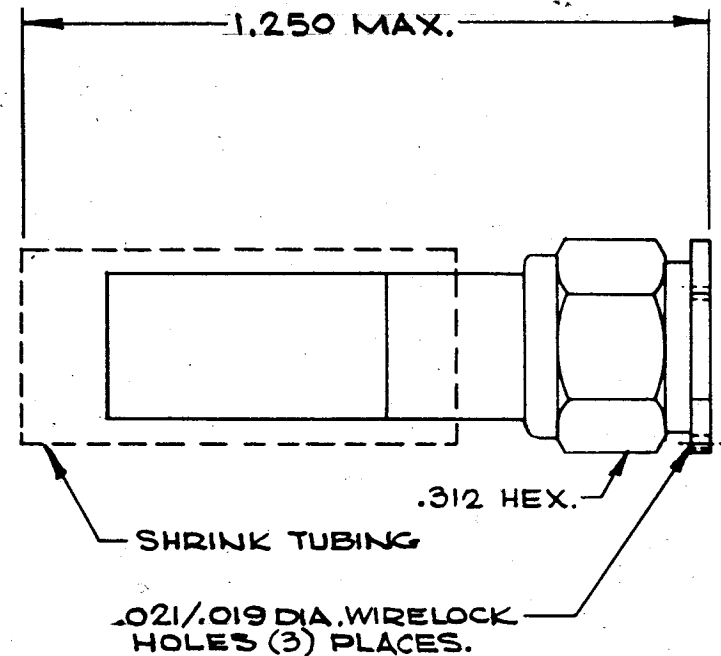
Contact: . . . . . Gold per Mil-G-45204, Type I,  
Class 2; over Copper per Mil-C-14550,  
Class 4.

Crimp Ring: . . . . . Silver With Iridite per QQ-S-365, Type II, Grade A.

## 4. Cable Assembly Instructions: Per Solitron/Microwave Drawing 300-80-274

## 5. Accommodates RG - 142/U, 223/U Cables.

## 6. Center Contact Captivated.



| SYM | DESCRIPTION     | DATE | APPR | UNLESS OTHERWISE SPECIFIED<br>1 ALL DIMENSIONS ARE AFTER PLATING<br>2 BREAK ALL CORNERS & EDGES .005 R MAX.<br>3 CHAMFER 1ST & LAST THREADS 45°<br>4 SURFACE ROUGHNESS 63 MIL-STD-10<br>5 DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.<br>6 REMOVE ALL BURRS |  | SOLITRON/MICROWAVE<br>PORT SALERNO, FLORIDA |                | REF.                             |
|-----|-----------------|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|----------------|----------------------------------|
| -   | REL.DCN F-10253 | 7/86 | RD   |                                                                                                                                                                                                                                                                            |  | MATERIAL                                    |                | ENGINEERING DATA DRAWING         |
|     |                 |      |      | DIMENSIONS ARE IN INCHES<br>TOLERANCES                                                                                                                                                                                                                                     |  | FINISH                                      |                | TITLE                            |
|     |                 |      |      | DECIMALS FRACTIONAL ANGULAR<br>.X ± .030<br>.XX ± .015<br>.XXX ± .005                                                                                                                                                                                                      |  | AREA                                        |                | SMA STRAIGHT PLUG<br>CRIMP TYPE. |
|     |                 |      |      | DRAWN R.R.A. DATE 12-16-85                                                                                                                                                                                                                                                 |  | SCALE                                       | CODE IDENT NO. | DRAWING NO. SHT. 1 of 2          |
|     |                 |      |      | CHECKED DATE                                                                                                                                                                                                                                                               |  |                                             | 95077          | M39012/55-3028                   |
|     |                 |      |      | APPROVED RD DATE 2-26-86                                                                                                                                                                                                                                                   |  |                                             | A              |                                  |

