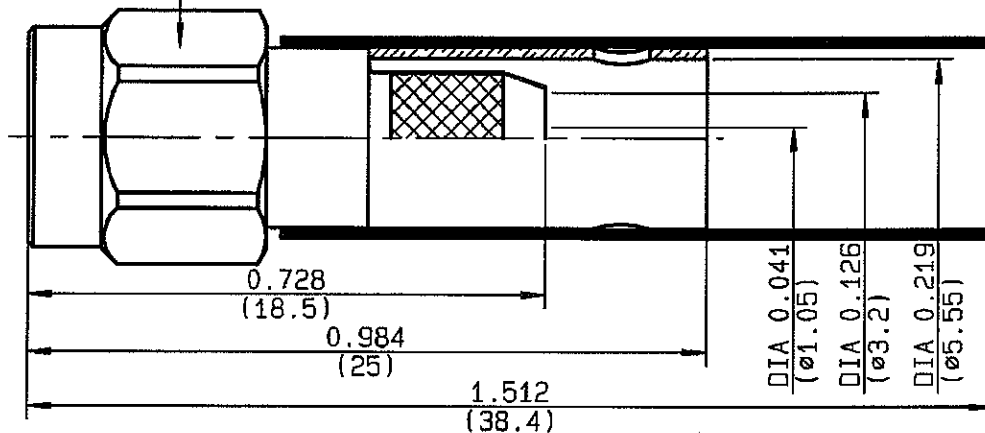


**STRAIGHT PLUG CRIMP TYPE**  
**CABLE 5/50 D**
**R125.076.000**  
**SERIES SMA**

Hex. .315/flats

Hex. 8/plats



|                                 |                               |
|---------------------------------|-------------------------------|
| NOMINAL IMPEDANCE               | 50 $\Omega$                   |
| FREQUENCY RANGE                 | 0-12.4 GHz                    |
| TEMPERATURE RATING              | -65/+165 °C                   |
| V.S.W.R                         | 1.15 + .01 x F(GHz)Maxi       |
| RF INSERTION LOSS               | 0.06 $\sqrt{F}$ (GHz) dB Maxi |
| VOLTAGE RATING                  | 335 Veff Maxi                 |
| DIELECTRIC WITHSTANDING VOLTAGE | 1000 Veff Mini                |
| INSULATION RESISTANCE           | 5000 M $\Omega$ Mini          |
| HERMETIC SEAL                   | NA Atm.cm <sup>3</sup> /s     |
| LEAKAGE (pressurized only)      | NA                            |
| MECHANICAL DURABILITY           | 500 Cycles                    |
| WEIGHT                          | 3.8 gr                        |
| SPECIFICATION                   |                               |

**AMD BA LEA**  
**03 COC 9 MAG-202 (13/06/88)**
CABLES : **KX 23****RS 142****RS 142 FTX****RS 223****RS 400**

## OTHERS CHARACTERISTICS

|                            |              |
|----------------------------|--------------|
| CABLE RETENTION            | 204 N Mini   |
| CENTER CONTACT RETENTION   |              |
| Axial force - mating end   | NA N Mini    |
| Axial force - opposite end | NA N Mini    |
| Torque                     | NA cm.N Mini |
| RECOMMENDED TORQUES        |              |
| Mating                     | 100 cm.N     |
| Panel nut                  | NA cm.N      |
| Clamp nut                  | NA cm.N      |

| CONNECTOR PARTS | MATERIALS       | FINISH                 | (all values are given in micrometers) |
|-----------------|-----------------|------------------------|---------------------------------------|
| BODY            | STAINLESS STEEL | GOLD 0.5 OVER NICKEL 2 |                                       |
| OUTER CONTACT   |                 |                        |                                       |
| CENTER CONTACT  | BRASS           | GOLD 1.3 OVER NICKEL 2 |                                       |
| INSULATOR       | PTFE            | -                      |                                       |
| GASKET          | SILICONE RUBBER | -                      |                                       |
| OTHERS PIECES   | STAINLESS STEEL | GOLD 0.5 OVER NICKEL 2 |                                       |

**ISSUE**  
**0623M**
**CREATION DATE**  
**13/06/1988**

FILE PART-NUMBER


**RADIALL®**

GUILLOMIN

The information given here is subject to change without notice.  
 Design changes may be in order to improve the product.

*Connect to the future*

**R125.076.000**

ISSUE

0623M

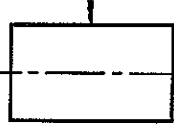
SERIES

SMA

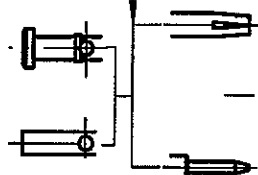
HEATSHRINK SLEEVE



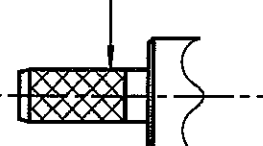
FERRULE



CENTER CONTACT

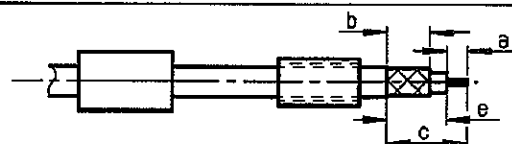


BODY



①

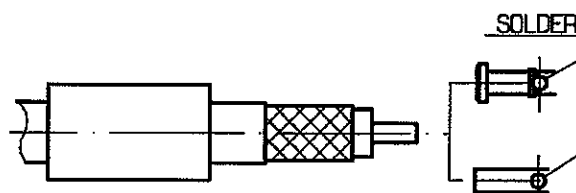
Slide ferrule and heatshrink sleeve  
onto cable .  
Strip the cable .  
-  
-



| Stripping | a     | b     | c     | d | e     |
|-----------|-------|-------|-------|---|-------|
| inch      | 0.138 | 0.276 | 0.531 | 0 | 0.394 |
| mm        | 3.5   | 7     | 13.5  |   | 10    |

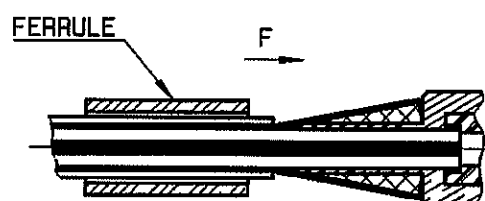
②

Slide center contact on until it  
bottoms against cable dielectric .  
Solder center contact .  
Clean soldered area .  
-  
-



③

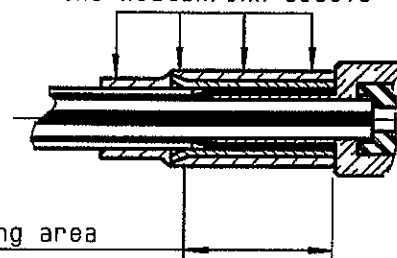
Fan the braid .  
Slide cable into body until it  
bottoms against insulator .  
Slide ferrule over the braid .  
(In direction F)



④

Crimp the ferrule with crimping tool  
R 282 223 000 ( Hex. : 5.41 ) or  
crimping tool R 282 293 000 ( M22520/5-01 )  
+ dies R 282 235 011 ( M22520/5-11 )  
Cut the excess of braid if necessary  
Slide sleeve over ferrule and heatshrink  
in place .  
-  
-

Shrink  
the heatshrink sleeve



# Mouser Electronics

Authorized Distributor

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Radial:

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