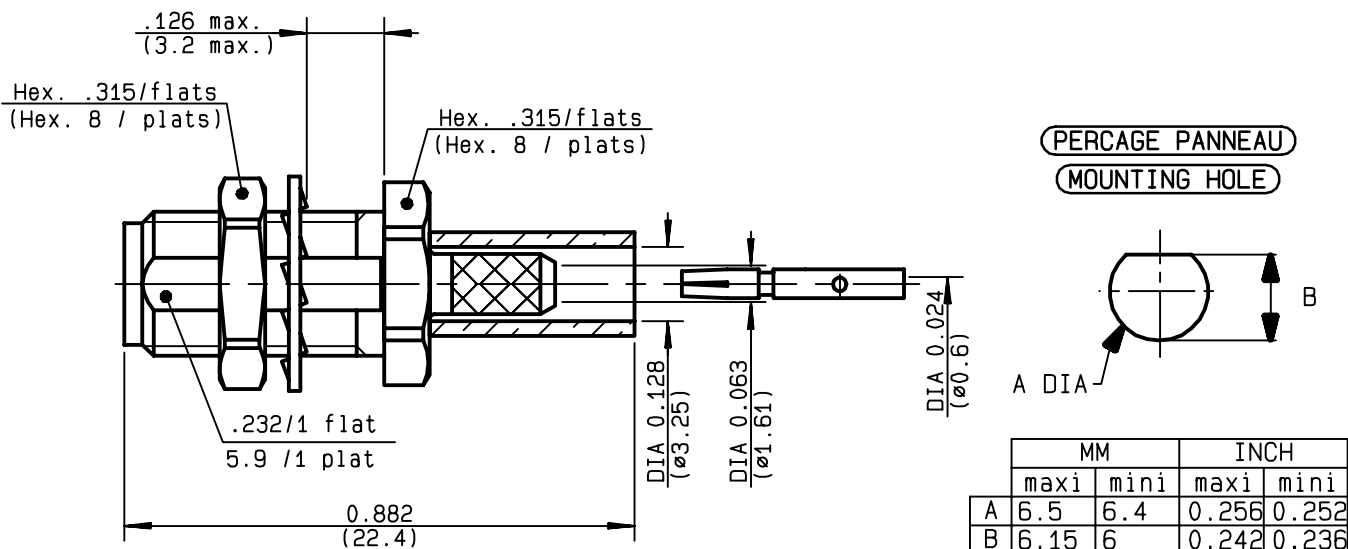


**STRAIGHT BULKHEAD JACK FULL CRIMP-TYPE**  
**CABLE 2.6/50 S**
**R124.312.123**  
**SERIES SMA-COM**


|                                 |                                       |                        |
|---------------------------------|---------------------------------------|------------------------|
| NOMINAL IMPEDANCE               | <b>50</b>                             | $\Omega$               |
| FREQUENCY RANGE                 | <b>0-12.4</b>                         | GHz                    |
| TEMPERATURE RATING              | <b>-65/+165</b>                       | °C                     |
| V.S.W.R                         | <b>1.15</b> + <b>.02</b> x F(GHz)Maxi |                        |
| RF INSERTION LOSS               | <b>0.05</b> $\sqrt{F}$ (GHz) dB Maxi  |                        |
| VOLTAGE RATING                  | <b>250</b>                            | Veff Maxi              |
| DIELECTRIC WITHSTANDING VOLTAGE | <b>750</b>                            | Veff Mini              |
| INSULATION RESISTANCE           | <b>5000</b>                           | M $\Omega$ Mini        |
| HERMETIC SEAL                   | <b>NA</b>                             | Atm.cm <sup>3</sup> /s |
| LEAKAGE (pressurized only)      | <b>NA</b>                             |                        |
| MECHANICAL DURABILITY           | <b>100</b>                            | Cycles                 |
| WEIGHT                          | <b>3.25</b>                           | gr                     |
| SPECIFICATION                   |                                       |                        |

CABLES : **KX 22A**  
**RG 188**  
**RG 316**

## OTHERS CHARACTERISTICS

|                            |            |           |
|----------------------------|------------|-----------|
| CABLE RETENTION            | <b>90</b>  | N Mini    |
| CENTER CONTACT RETENTION   |            |           |
| Axial force - mating end   | <b>18</b>  | N Mini    |
| Axial force - opposite end | <b>18</b>  | N Mini    |
| Torque                     | <b>NA</b>  | cm.N Mini |
| RECOMMENDED TORQUES        |            |           |
| Mating                     | <b>NA</b>  | cm.N      |
| Panel nut                  | <b>150</b> | cm.N      |
| Clamp nut                  | <b>NA</b>  | cm.N      |

## CONNECTOR PARTS. MATERIALS

|                |                  |
|----------------|------------------|
| BODY           | BRASS            |
| OUTER CONTACT  |                  |
| CENTER CONTACT | BERYLLIUM COPPER |
| INSULATOR      | PTFE             |
| GASKET         |                  |
| OTHERS PIECES  | BRASS            |

## FINISH (all values are given in micrometers)

|                          |
|--------------------------|
| GOLD 0.2 OVER NICKEL 2   |
| GOLD 1.3 OVER COPPER 2.5 |
| -                        |
| -                        |
| GOLD 0.2 OVER NICKEL 2   |

TRIQUES

|                |                   |                    |
|----------------|-------------------|--------------------|
| ISSUE          | CREATION DATE     | FILE PART-NUMBER   |
| <b>9847A00</b> | <b>02/12/1996</b> | <b>96-1000-058</b> |

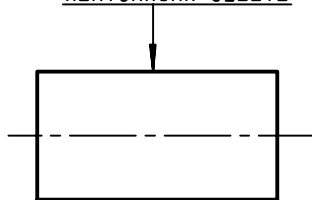

**RADIALL®**

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

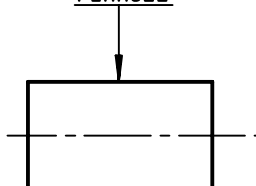
*Connect to the future*

**R124.312.123**ISSUE **9847A00** SERIES**SMA-COM**

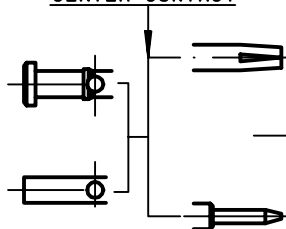
HEATSHRINK SLEEVE



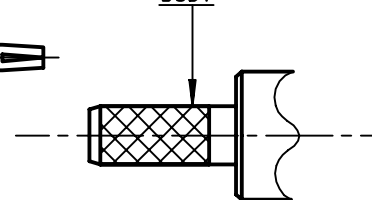
FERRULE



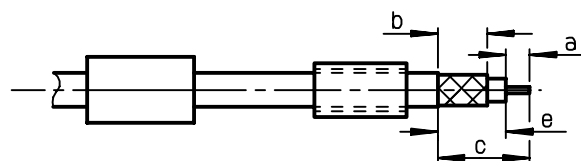
CENTER CONTACT



BODY

**①**

Slide heatshrink sleeve (R280.637.020-Option) and ferrule onto cable.  
Strip the cable.

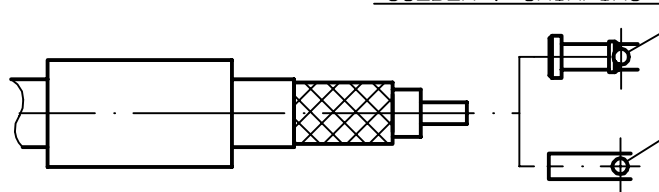


| Stripping | a     | b     | c     | d | e     |
|-----------|-------|-------|-------|---|-------|
| inch      | 0.118 | 0.248 | 0.425 | 0 | 0.307 |
| mm        | 3     | 6.3   | 10.8  |   | 7.8   |

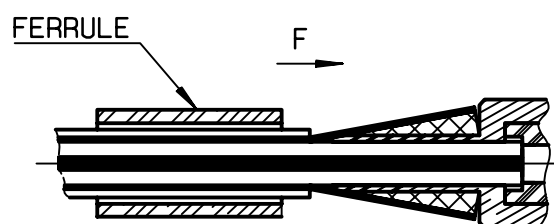
**②**

Slide center contact on until it bottoms against cable dielectric .  
Solder or crimp center contact .  
Crimping tool : R282.281.000 (2 x 4 pts)  
position 5  
+ positionner R282.967.012.

SOLDER / CRIMPING

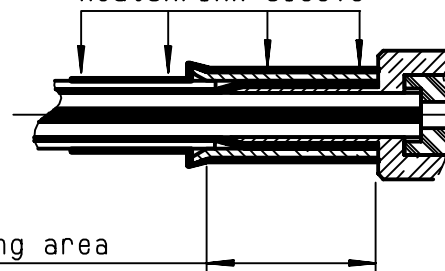
**③**

Fan the braid .  
Slide cable into the body by overtaking the insulator hard mounting point.  
Slide ferrule over the braid .  
(In direction F)

**④**

Crimp the ferrule with crimping tool R282.271.000 ( Hex. : .128 )(3.25) or crimping tool R282.293.000 ( M22520/5-01 )  
+ dies R282.235.003 ( M22520/5-03 )  
Cut excess of braid if necessary .  
Slide sleeve over ferrule and heatshrink in place (Option)

Shrink the heatshrink sleeve



Crimping area