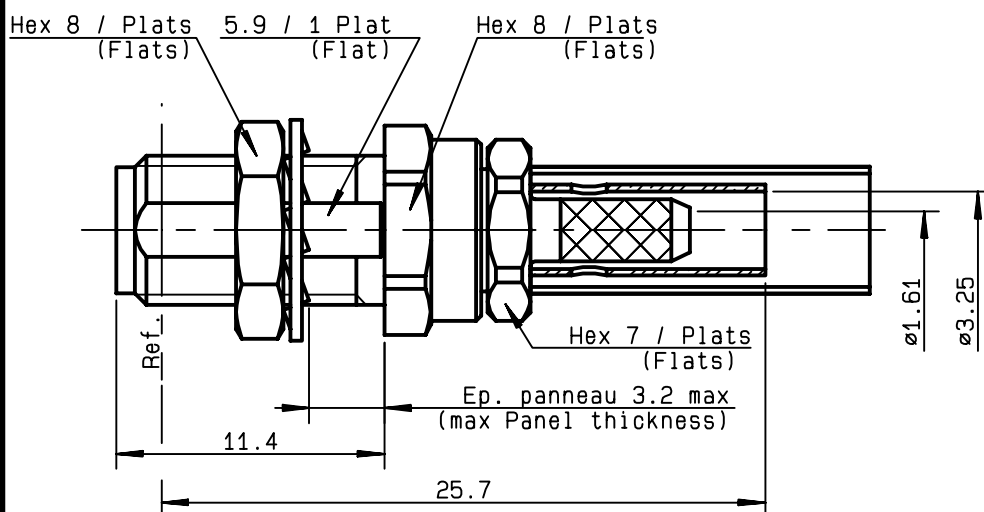


# STRAIGHT BULKHEAD JACK

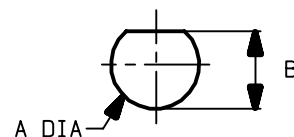
## CRIMP OR SOLDER TYPE - CABLE 2.6/50 S

# R125.303.001

SERIES SMA



PERCAGE PANNEAU  
MOUNTING HOLE



|   | MM   |      | INCH  |       |
|---|------|------|-------|-------|
|   | maxi | mini | maxi  | mini  |
| A | 6.45 | 6.4  | 0.254 | 0.252 |
| B | 6.05 | 6    | 0.238 | 0.236 |

|                                 |                         |                        |
|---------------------------------|-------------------------|------------------------|
| NOMINAL IMPEDANCE               | 50                      | Ω                      |
| FREQUENCY RANGE                 | 0-12.4                  | GHz                    |
| TEMPERATURE RATING              | -65/+165                | °C                     |
| V.S.W.R                         | 1.15 + .02 x F(GHz)Maxi |                        |
| RF INSERTION LOSS               | 0.06                    | √F(GHz) dB Maxi        |
| VOLTAGE RATING                  | 250                     | Veff Maxi              |
| DIELECTRIC WITHSTANDING VOLTAGE | 750                     | Veff Mini              |
| INSULATION RESISTANCE           | 5000                    | MΩMini                 |
| HERMETIC SEAL                   | NA                      | Atm.cm <sup>3</sup> /s |
| LEAKAGE (pressurized only)      | NA                      |                        |
| MECHANICAL DURABILITY           | 500                     | Cycles                 |
| WEIGHT                          |                         | gr                     |
| SPECIFICATION                   |                         |                        |

CABLES : KX 22A  
RG 188  
RG 316

## OTHERS CHARACTERISTICS

|                            |     |           |
|----------------------------|-----|-----------|
| CABLE RETENTION            | 90  | N Mini    |
| CENTER CONTACT RETENTION   |     |           |
| Axial force - mating end   | 27  | N Mini    |
| Axial force - opposite end | 27  | N Mini    |
| Torque                     | NA  | cm.N Mini |
| RECOMMENDED TORQUES        |     |           |
| Mating                     | NA  | cm.N      |
| Panel nut                  | 80  | cm.N      |
| Clamp nut                  | 100 | cm.N      |

## CONNECTOR PARTS MATERIALS

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

## FINISH

(all values are given  
in micrometers)

|                        |  |
|------------------------|--|
| PASSIVATED             |  |
| GOLD 1.3 OVER NICKEL 2 |  |
| -                      |  |
| -                      |  |
| NICKEL 2               |  |

BAFFERT

ISSUE  
9840D04

CREATION DATE  
18/01/1991

FILE PART-NUMBER



# 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

**R125.303.001**ISSUE **9840D04** SERIES**SMA**

HEATSHRINK SLEEVING

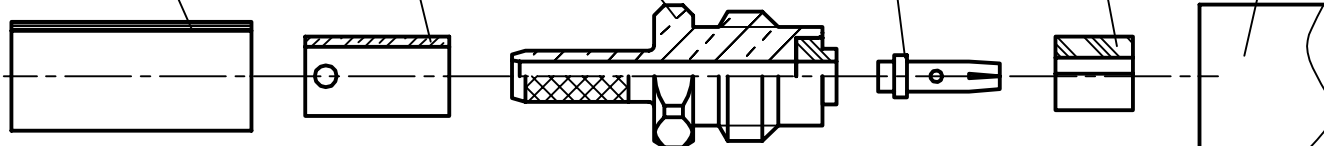
FERRULE

CRIMP BACKNUT

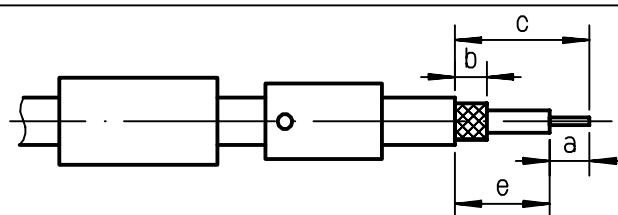
CENTER CONTACT

FRONT INSULATOR

BODY

**①**

Slide the heatshrink sleeving and the ferrule onto the cable  
 Ferrule holes to the front if SOLDER.  
 Ferrule holes to the rear if CRIMP.  
 Strip the cable .



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

**②**

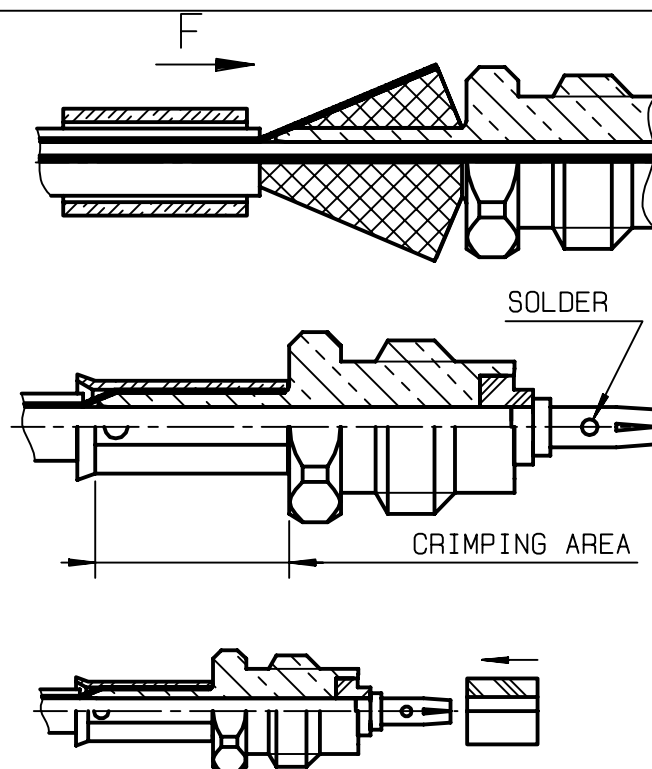
Fan the braid .

Slide the back body between dielectric and braid .

Put the cable against the insulator.  
 Slide ferrule over the braid (in direction F)  
 Crimp ferrule with RADIALL crimping tool R282 211 or crimping tool R282 293 000  
 ( M22520/5-01 ) + dies R282 235 003  
 ( M22520/5-03 ) Hex .128

Slide the center contact on the cable until it bottoms against insulator .  
 Solder the center contact.

Slide the front insulator on the center contact.

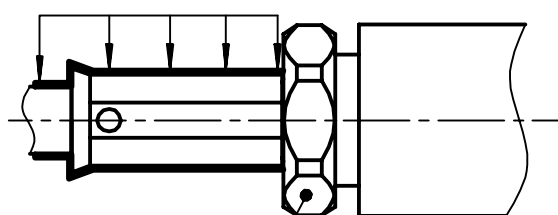
**③**

Screw the sub-assembly into the connector body  
 (recommended coupling torque:  
 7.08 to 10.16 in.lb

Cut the excess of braid.

Slide sleeve over ferrule and heatshrink in place.

SHRINK THE HEATSHRINK SLEEVE



Hex. : .276/ flats