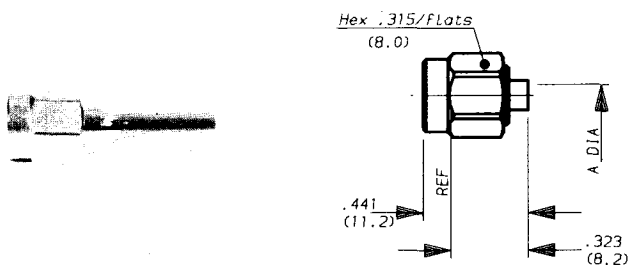


RADIALL proposes a complete range of SMA coaxial connectors to solder on semi-rigid cable.

Those connectors present high performances at high quality level.

RADIALL connectors can be used in all high frequency applications systems, and are available for .085", .141" and .250" semi-rigid cable.

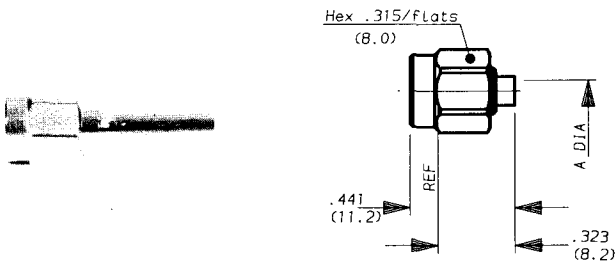
### Straight cable plug with center contact



|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| CABLE DIA.            | .085"                | .141"                |
| PART NUMBER           | <b>R 125 052 002</b> | <b>R 125 055 002</b> |
| Captive contact       | NO                   | NO                   |
| A DIA.                | .089 (2.25)          | .144 (3.65)          |
| Assembly instructions | M 04 pages 68, 69    |                      |

See footnote 1

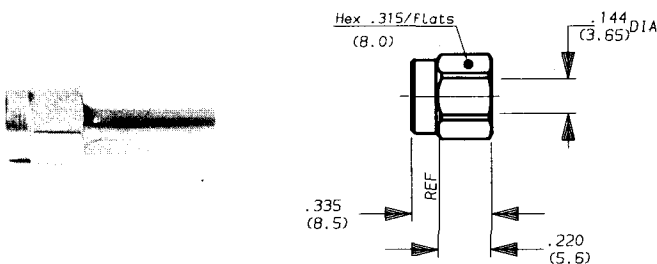
### Straight cable plug retractable coupling nut with center contact



|                       |                      |                      |
|-----------------------|----------------------|----------------------|
| CABLE DIA.            | .085"                | .141"                |
| PART NUMBER           | <b>R 125 052 500</b> | <b>R 125 055 500</b> |
| Captive contact       | NO                   | NO                   |
| A DIA.                | .089 (2.25)          | .144 (3.65)          |
| Assembly instructions | M04 pages 68, 69     |                      |

Finish : Gold plated

### Straight cable plug without center contact

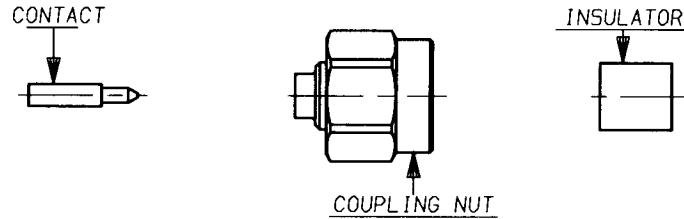


|                       |                      |
|-----------------------|----------------------|
| CABLE DIA.            | .141"                |
| PART NUMBER           | <b>R 125 054 002</b> |
| Assembly instructions | M 05 page 70         |

See footnote 1

1) The standard units have passivated stainless steel coupling nut with gold plated part to be soldered for cable attachment. For gold plated coupling nut, change the last digit from 2 to 0 / Ex R 125 052

# M 04



For connectors :

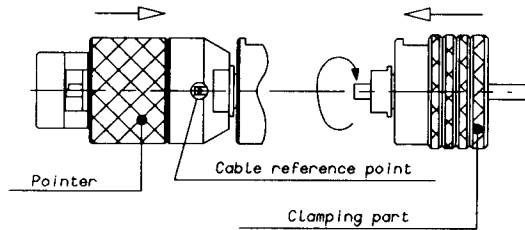
R 125 052 000  
R 125 052 500  
R 125 052 700  
R 125 055 000  
R 125 055 500  
R 125 055 700

### Tool Kit R 282 120 000

|                                                   | .085"              | .141"              |
|---------------------------------------------------|--------------------|--------------------|
| Pointer .....                                     | R 282 063 000      | R 282 067 000      |
| Stripping tool .....                              | R 282 051 000      | R 282 053 000      |
| Assembly jig .....                                | R 282 740 000      | R 282 740 000      |
| Positioner 1 .....                                | R 282 744 220      | R 282 744 220      |
| Solder gauge .....                                | R 282 862 060 (61) | R 282 862 060 (62) |
| Positioner 2 .....                                | R 282 744 060 (85) | R 282 744 061 (87) |
| Dielectric recess gauge .....                     | R 282 914 000 (93) | R 282 914 000 (93) |
| Dielectric recess tool .....                      | R 282 915 010      | R 282 915 010      |
| Dielectric insert tool + Dielectric plunger ..... | R 282 730 040      | R 282 730 040      |

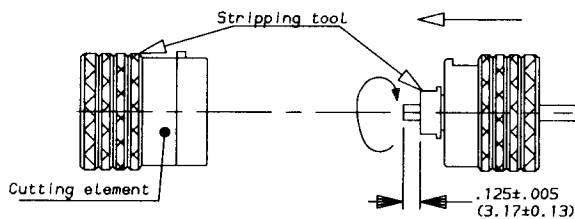
For R 125 052 500 and R 125 055 500 slide the retractable coupling nut over the cable before beginning the assembly operation

1



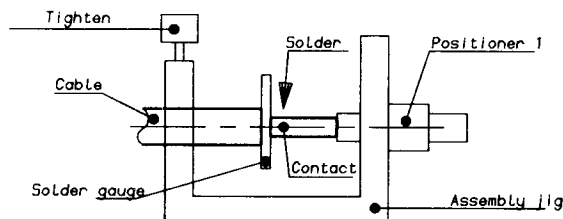
- 1 - 1 Present the hollow part of the pointer in front of the clamping part
- 1 - 2 Push the cable on its stop, while holding the clamping part pushed on the hollow part of the pointer.
- 1 - 3 Turn the clamping part until the release of the pointer

2

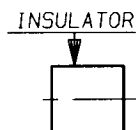
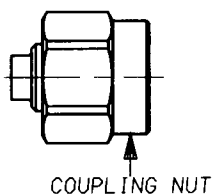
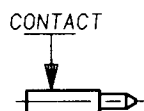


- 2 - 1 Present the cutting element in front of the clamping part
- 2 - 2 Push and turn both elements, back part opposite to the front part
- 2 - 3 Once they reach the stop, pull without revolving

3

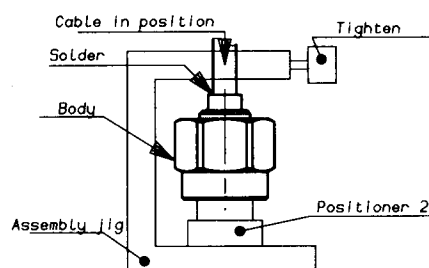


- 3 - 1 Screw the positioner 1 onto the assembly jig
- 3 - 2 Slide contact into positioner 1
- 3 - 3 Insert solder gauge between contact and cable
- 3 - 4 Tighten
- 3 - 5 Solder the contact

M 04 *(continued)*

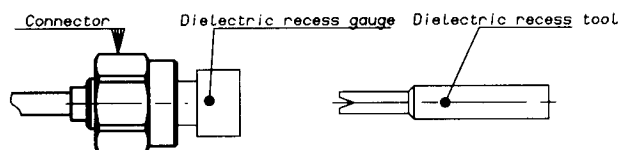
- 4 – 1 After cooling remove cable assembly from the jig
- 4 – 2 Screw positioner 2 into the connector
- 4 – 3 Slide cable into the connector until it bottoms against positioner 2
- 4 – 4 Tighten
- 4 – 5 Put 3 rings of solder around the cable and solder

4



- 5 – 1 After cooling remove cable assembly from the jig
- 5 – 2 Screw dielectric recess gauge and trim dielectric

5



- 6 – 1 Screw female dielectric insert tool onto connector and insert insulator with the dielectric plunger

6

