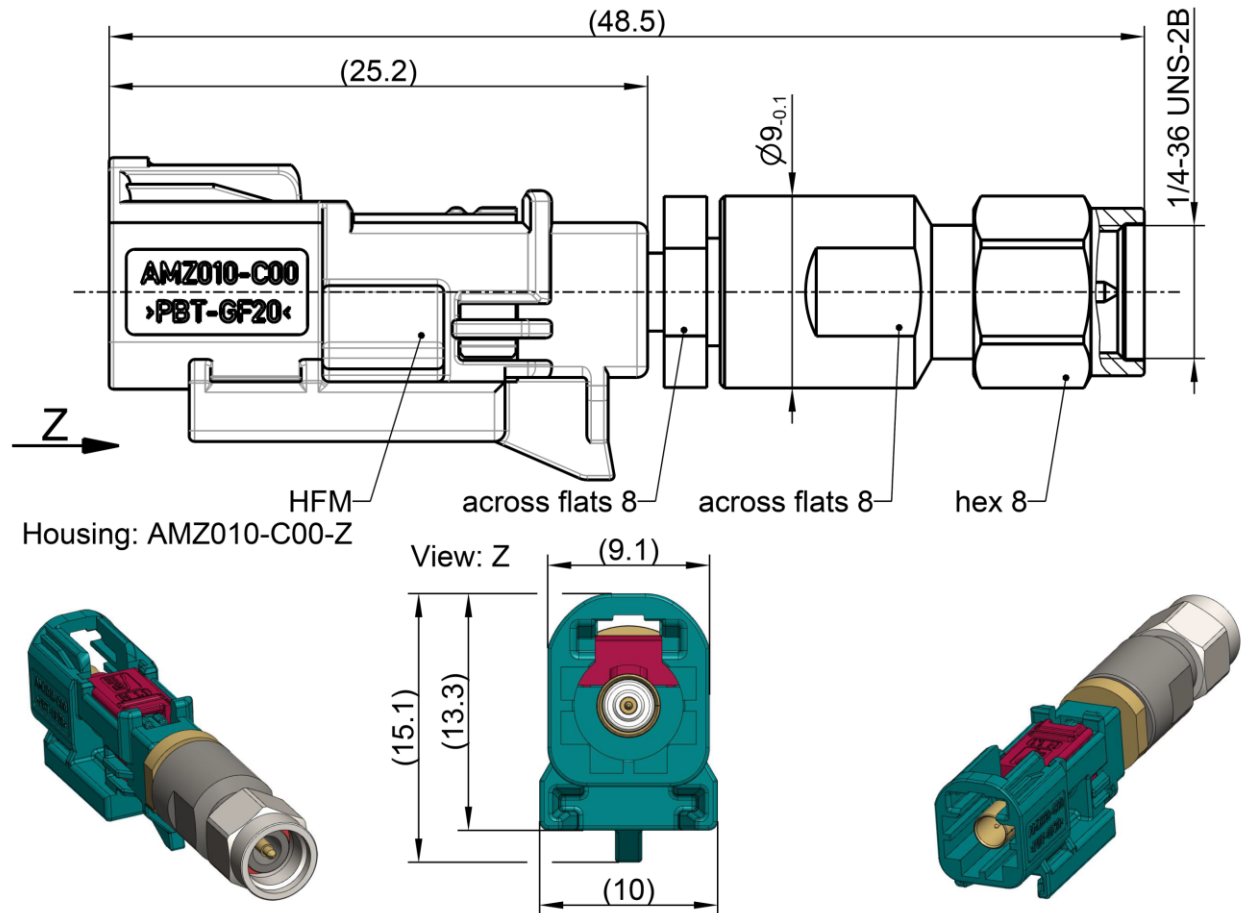




All dimensions are in mm

#### Interface

According to  
Mechanically compatible with  
HFM according to

IEC 61169-35  
RPC-3.50 and SMA  
RN\_108-01

#### Documents

Electrical requirement

RN\_107-01

#### Material and plating

##### Connector parts

Center contact  
Outer contact RPC-2.92  
Outer contact HFM  
Dielectric RPC-2.92  
Dielectric HFM  
Coupling nut RPC-2.92  
Gasket RPC-2.92

##### Material

CuBe  
Stainless steel  
Brass  
PS  
PEI  
Stainless steel  
Silicone

##### Plating

Gold, min. 1.27 µm, over chemical nickel  
Passivated  
Gold, min. 1.27 µm, over chemical nickel  
Passivated

öffentlich | public

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |              |          |                                                     |                           |               |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|-----------------------------------------------------|---------------------------|---------------|----------|
| Technical Data Sheet Draft                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          | Rosenberger  |          |                                                     |                           |               |          |
| CALIBRATION ADAPTOR<br>RPC-2.92 Plug – HFM Plug                                                                                                                                                                                                                                                                                                                                                                                                                                   |          | 02S1AM-S00S3 |          |                                                     |                           |               |          |
| <div>Electrical data</div> <div>FrequencyDC to 20 GHz</div> <div>Return loss≥ 30 dB, DC to 3 GHz<br/>≥ 25 dB, 3 GHz to 6 GHz<br/>≥ 20 dB, 6 GHz to 12 GHz<br/>≥ 18 dB, 12 GHz to 20 GHz</div> <div>Insertion loss≤ 0.01 x √f(GHz) dB</div>                                                                                                                                                                                                                                        |          |              |          |                                                     |                           |               |          |
| <div>Mechanical data</div> <div><div>Mating cycles</div><div>Mating cycles housing</div><div>Maximum torque</div><div>Recommend torque</div><div>Engagement force</div><div>Disengagement force</div><div>Gauge</div></div> <div><div>RPC-2.92</div><div>≥ 500</div><div>1.70 N</div><div>0.80 Nm to 1.10 Nm</div><div></div><div>0.00 mm to 0.08 mm</div></div> <div><div>HFM</div><div>≥ 500<sup>3</sup></div><div>≥ 25</div><div></div><div>≤ 15 N</div><div>≥ 2 N</div></div> |          |              |          |                                                     |                           |               |          |
| <sup>3</sup> Limitations are possible due to the quality of the used mating connector                                                                                                                                                                                                                                                                                                                                                                                             |          |              |          |                                                     |                           |               |          |
| <div>Environmental data</div> <div><div>Operating temperature range<sup>1</sup></div><div>Rated temperature range of use<sup>2</sup></div><div>Storage temperature range</div></div> <div><div>+20 °C to +26 °C</div><div>0 °C to + 50 °C</div><div>-40 °C to +85 °C</div></div> <div><div>RoHS</div><div>compliant</div></div>                                                                                                                                                   |          |              |          |                                                     |                           |               |          |
| <sup>1</sup> Temperature range over which these specifications are valid.<br><sup>2</sup> This range is underneath and above the operating temperature range, within the open circuit is fully functional and could be used without damage                                                                                                                                                                                                                                        |          |              |          |                                                     |                           |               |          |
| <div>Weight</div> <div>10.6 g/pce</div>                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |              |          |                                                     |                           |               |          |
| <div>While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.</div>                                                                                                                           |          |              |          |                                                     |                           |               |          |
| Draft                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date     | Approved     | Date     | Rev.                                                | Engineering change number | Name          | Date     |
| S. Andorfer                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30.10.19 | H. Babinger  | 07.11.22 | 400                                                 | 22-m544                   | S. Schmid     | 04.11.22 |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br>www.rosenberger.de                                                                                                                                                                                                                                                                                                                                                                    |          |              |          | Tel. : +49 8684 18-0<br>Email : info@rosenberger.de |                           | Page<br>2 / 2 |          |