1) This handling instruction is valid for all Rosenberger solderless PCB mount connectors. Please note the recommended footprint in the technical datasheet of the used solderless PCB mount connector. Figure 1 shows for example the recommended footprint MB_389 for explanation.
Please note the form and position tolerances of the 1.3 mm diameter holes. The more accurate the tolerances the better the prepositioning of the solderless connector.
In optimal cases the positioning of the center contact on the contact area (see detail Z) should be ok due to the prepositioning through the dowel pins but it is still recommended to check the positioning of the center contact under a microscope.

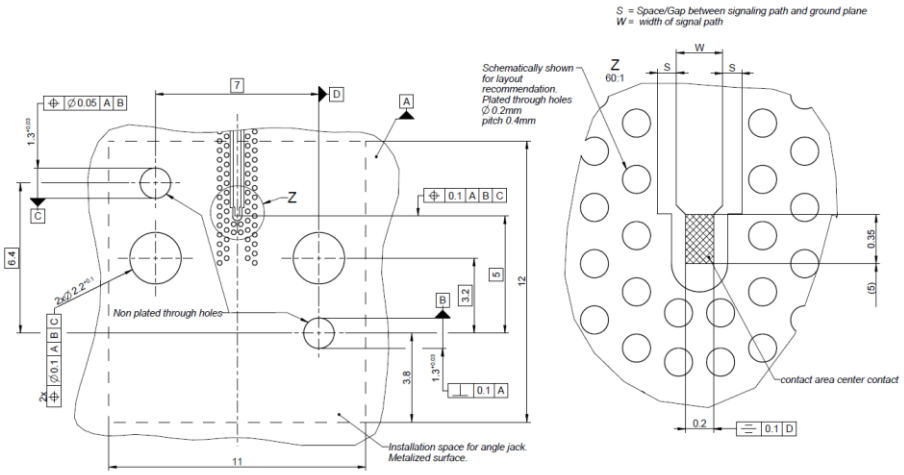

Figure 1: PCB Layout MB_389

2) Figure 2 shows the footprint MB_389 for one connector of the Test PCB for solderless PCB connectors (PCB-K2702) and Figure 3 shows the PCB side of a solderless PCB connector with the dowel pins.

Place the solderless PCB connector on the PCB and tighten the screws slightly to the threaded plate on the bottom side of the PCB with the enclosed screws.

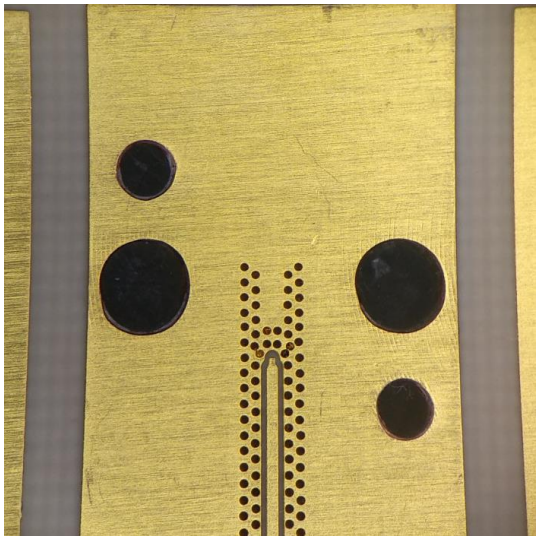

Figure 2: detail of PCB-K2702 (Test PCB)

Figure 3: PCB side of solderless connector with dowel pins

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3) Figure 4 shows the mounted solderless PCB connector on the Test PCB. Check the positioning of the center contact on the contact are under a microscope. Figure 5, Figure 6 and Figure 7 shows the in Figure 4 marked detail for different positioning of the solderless PCB connector.

   Make sure that the center contact is positioned as centrally as possible (as shown in Figure 7, green frame) to get a good result.
   If the positionig is bad (Figure 5, red frame) or moderate (Figure 6, orange frame), loosen the screws slightly and reposition the solderless PCB connector to reach a position like shown in Figure 7 and thighten the screws slightly.

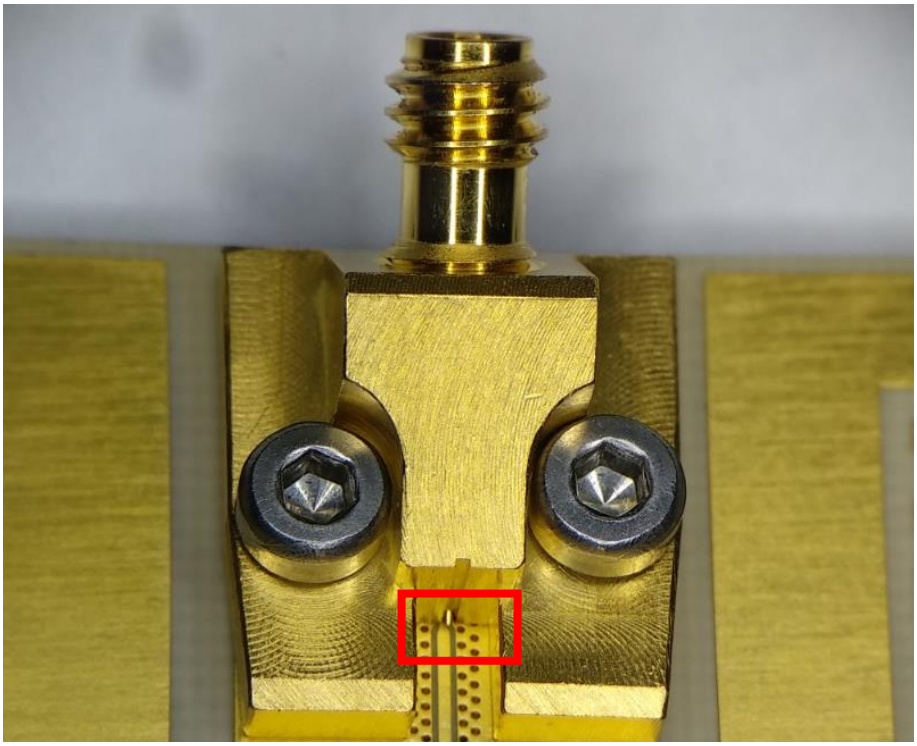

Figure 4: mounted solderless connector on PCB with marked detail

Figure 5: Detail - bad positioning

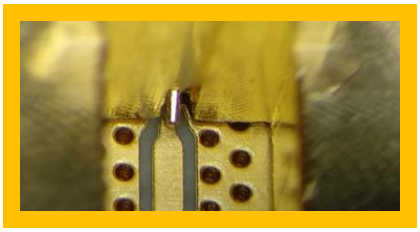

Figure 6: Detail - moderate positioning

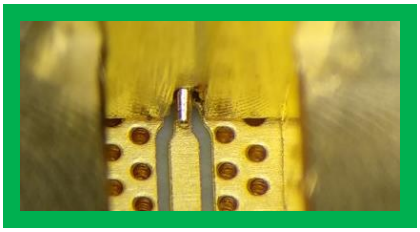

Figure 7: Detail - good positioning

4) Thighten the screws with a torque of 0.20 Nm to 0.30 Nm.
   Please note that it is possible to deviate from this recommendation depending on the PCB material.

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