Keysight Technologies
VTEP Clip Installation Procedure

Applicable for
Medalist In-Circuit Test Systems

Demo Guide

Figure 1. (a) VTEP clip AB and (b) VTEP clip SP
This guide describes the installation procedure for adding the VTEP clip to the VTEP amplifier board, sensor plate and hanger probes assembly for Keysight Technologies, Inc. Medalist in-circuit test systems.

Parts needed

- VTEP amplifier board
- VTEP sensor plate
- Hanger probes (2 pieces)
- VTEP clip AB (AB = amplifier board)
- VTEP clip SP (SP = sensor plate)
- 3M Scotch-Weld CA40 or equivalent
- Cyanoacrylate instant adhesive
- Isopropyl alcohol

Parts Needed

Figure 2. Supplies needed, (a) VTEP amp board, sensor plate, hanger probes VTEP clip AB, and VTEP clip SP (b) isopropyl alcohol swipe, (c) adhesive
Step 1

Clean the surfaces of the VTEP clip SP and the VTEP sensor plate with isopropyl alcohol as indicated in the pictures.

Figure 3. Wipe the surfaces

Step 2

After the cleaned surfaces have dried, apply a very small amount of instant adhesive to the sensor plate on the two locations indicated by the red circles in the pictures below.

Figure 4. Apply adhesive (as denoted by the red circles)
Step 3

Assemble the VTEP clip SP onto the sensor plate. Press down and hold the clip firmly for at least 30 seconds until the adhesive has cured. (Curing time depends on instant adhesive used.)

Figure 5. Assembly process
Important Note: Polarity of VTEP Clips

The VTEP clips have a chamfered corner. This corner is used to identify the signal side of the VTEP sensor plate and amp board.

When installing the VTEP clip, please make sure that the chamfer is always in the corner of the signal pin of both the VTEP sensor plate and also the VTEP amplifier board.

Figure 6(a). VTEP sensor plate and VTEP amp board

Figure 6(b). VTEP sensor plate and VTEP amp board with VTEP clips installed. Note position of chamfered corner

Figure 7. VTEP clip SP and VTEP clip AB
Step 4

Assemble the VTEP clip AB and the 2 hanger probes. Align the VTEP amplifier board with the hanger probes and snap in the amplifier board, so that the amplifier board is secured by the two snap hooks of the VTEP clip AB.

Figure 8. Final assembly
Step 5

Align the probes of the sensor plate with the corresponding socket on the amplifier board. Press down the amplifier board assembly firmly on the sensor plate assembly until it snaps into place.

Final Assembly

The three pictures below show the final assembly of the VTEP amplifier board and sensor plate with the clips.
Inside the Fixture

Below are some examples of how the VTEP clip is installed inside the VTEP demo board fixture.

![Example views inside the fixtures](image)

Table 1. Please reference the part numbers below should you need to order any of the parts quoted in this documentation.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>N4302-48300</td>
<td>VTEP Clip SP - for VTEP sensor plate</td>
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<tr>
<td>N4302-48301</td>
<td>VTEP Clip AB - for VTEP amp board</td>
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<tr>
<td>N4302-90000</td>
<td>Part number of this shipped documentation</td>
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</tbody>
</table>
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