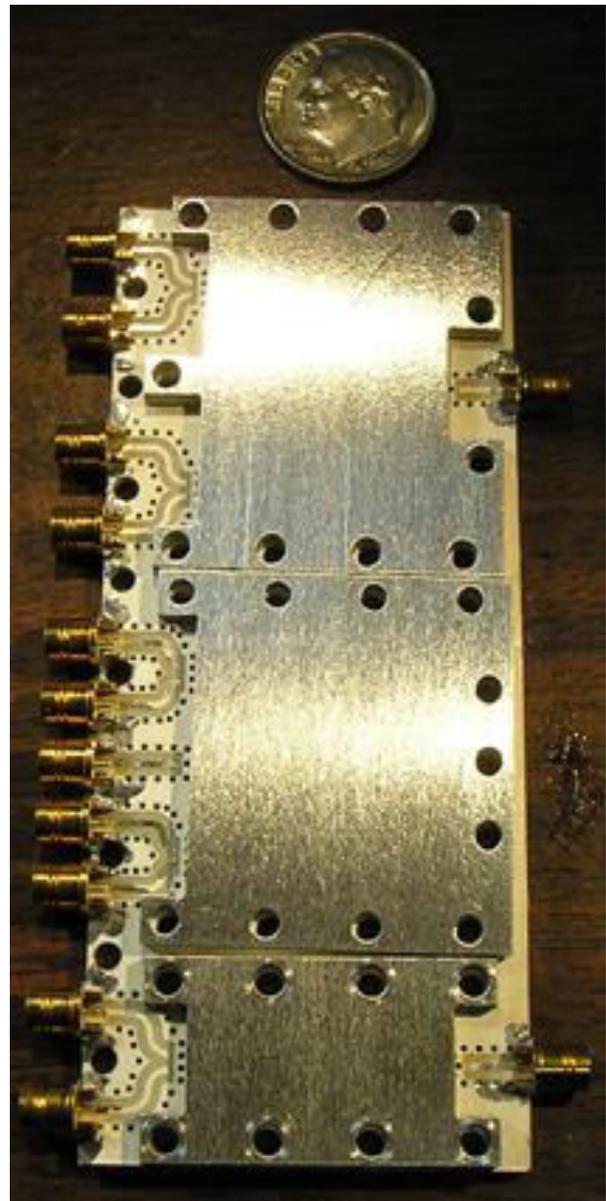
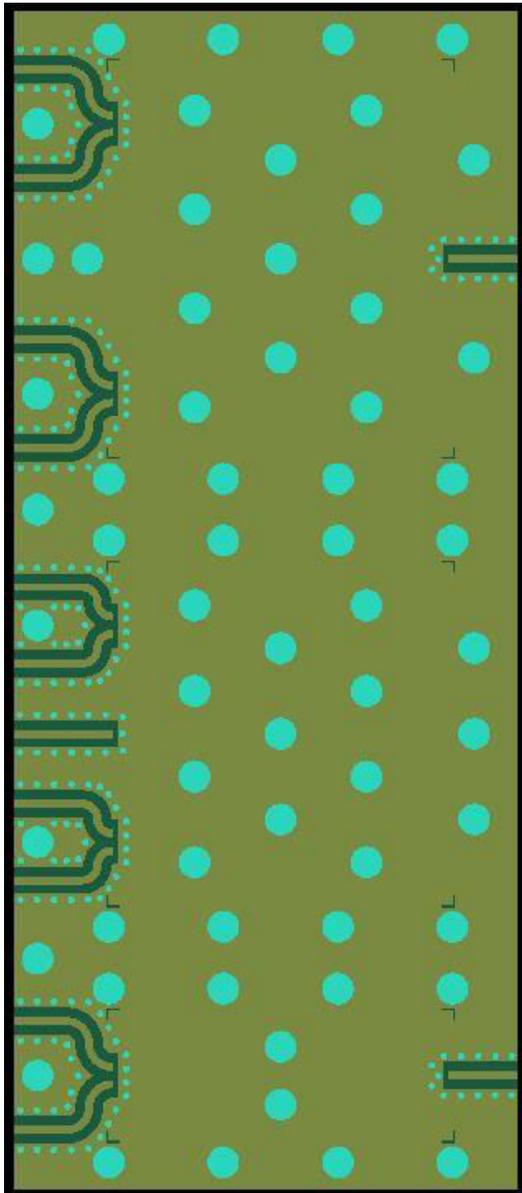




Datasheet Part Number = [BBTLine_Splitter_Evaluation_Board](#)

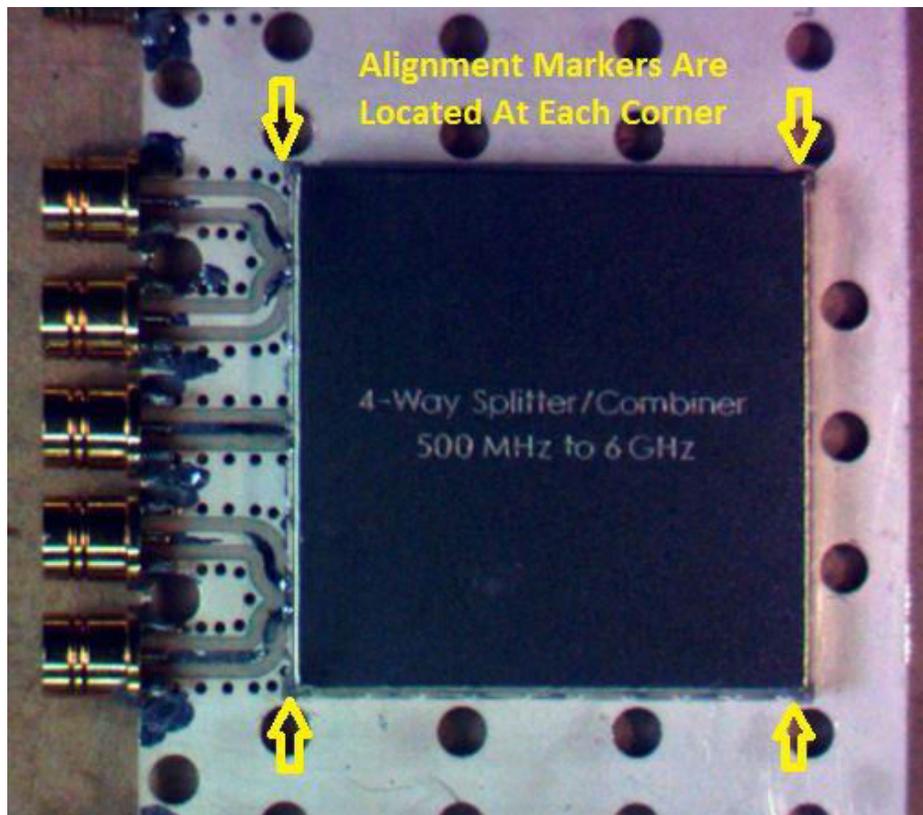
Description: Shown below is a splitter evaluation board for evaluating three different splitters from BBTLine, LLC:

- 1) [BBTLine_2Way_SMT](#), 2) [BBTLine_4Way_SMT](#), 3) [BBTLine_4Way_Version2_SMT](#)

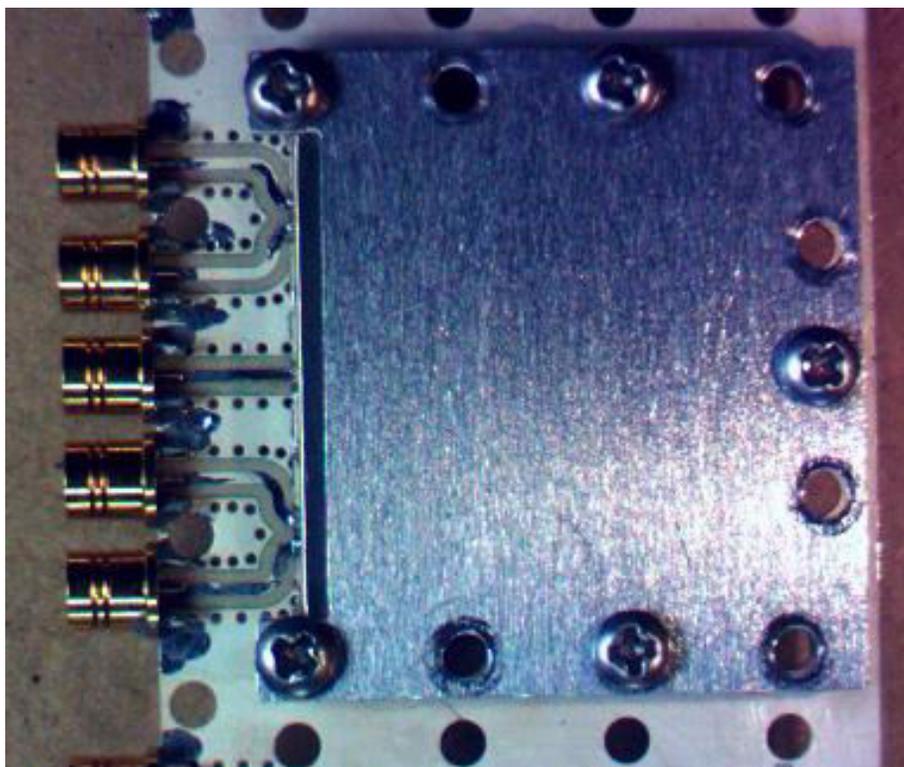


Note: in the right image, “plates” are shown on the evaluation board. These “plates” allow the splitters to be evaluated without the need to solder the devices to the evaluation board ground plane. Only the signal vias need to be soldered to the evaluation board RF traces. The “plates” are on both top and bottom surfaces to prevent board bow. The connector style is SMP smooth-bore.

The image below shows how the splitter “BBTLine 4Way SMT” is mounted on the test board:



The image below shows how a “plate” is secured over the “BBTLine 4Way SMT” splitter (another plate is also located on the backside, not shown):



The image below shows the correct alignment between the evaluation board RF traces and the splitter half-cut vias.

The ends of the evaluation board traces must meet right at the circumference of the half-cut vias. This alignment, along with absolute minimal solder, is critical to successful/accurate measurement of the splitters/combiners.

