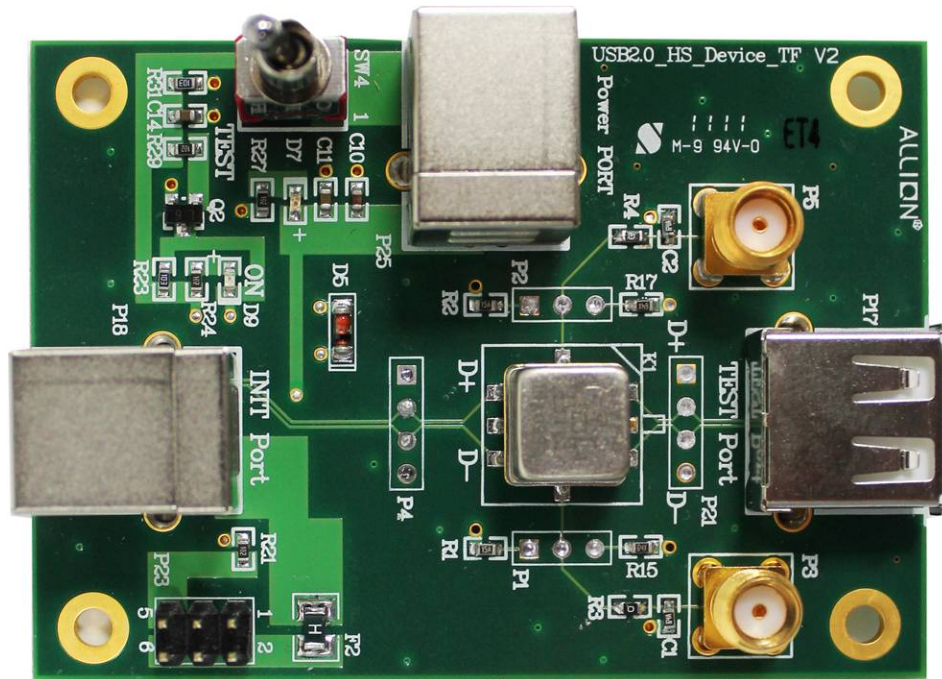


**USB Compliance High Speed  
Signal Quality Test Fixtures  
USB-TF-HS-EP  
(Eye Pattern Test Only)**

**ALLION TEST LABS, INC.**

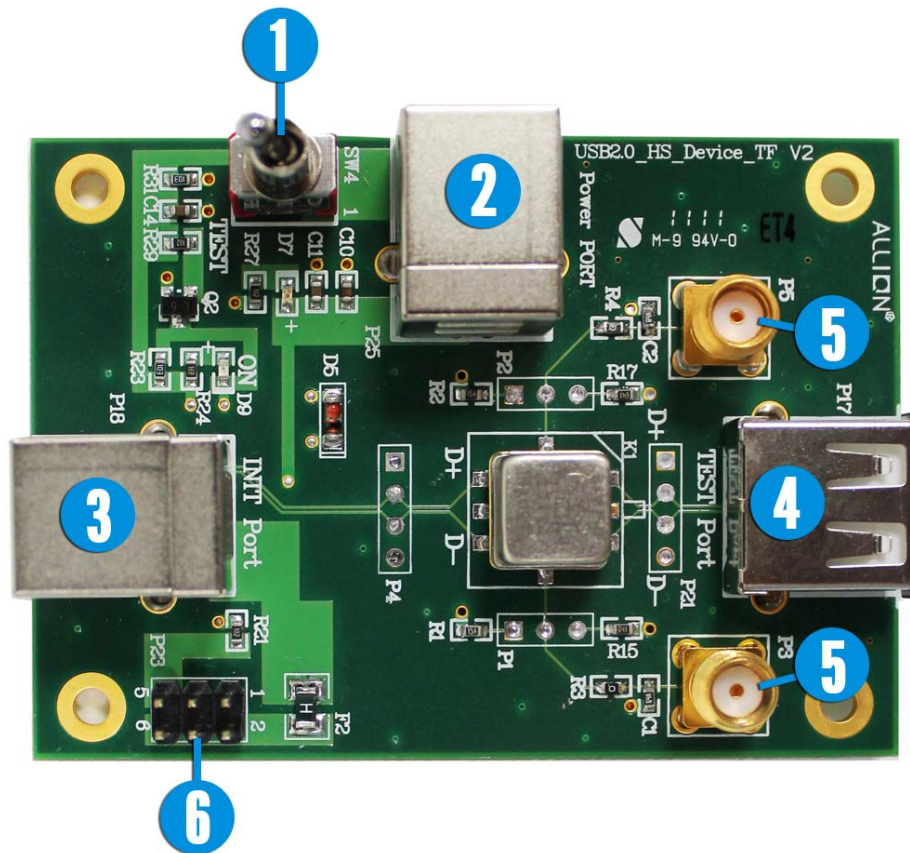
[www.allion.com](http://www.allion.com)

- **Specification**
  - 70mm x 50mm x 1.4mm
  - Operating Temperature 0° ~ 55° C
- **Layout**



- **Application**
  - Design for High Speed Device Upstream Signal Quality Test by the SMA connectors. (EL\_2, 4, 5, 6 and 7)
  - Related with “USB-IF Device High-Speed Electrical Test Procedure” Section 4.4
  - Can apply external power over USB cable from “Power Port”
  - “INIT Port” is for link with Host, and “TEST Port” is for link with Device Under Test

- **Placement direction**



1. TEST side: when device enters test mode (Test\_Packet), switch to Test side to get the proper waveform.
2. Connect to USB root port via USB cable to provide the external power for the fixture.
3. Connect to USB Host port via the USB cable for initial device.
4. Connect to device under test via the USB cable as short as possible.
5. Connect SMA cables (P5: D+, P3: D-) to scope for the High Speed Signal Quality Test.
6. Jump setting
  - a. Jump 1-2 is always short.
  - b. Jump 3-4 short is external power for test fixture.
  - c. Jump 5-6 short is for bus power for test fixture.

**Contact Information**

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URL: [http://www.allion.com/test\\_tool\\_usb.html](http://www.allion.com/test_tool_usb.html)