

LiTek USB3.0 Type B Plug test fixture (USB3-BP01A)

Introduction:

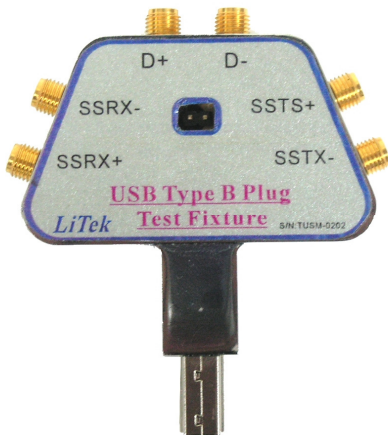


Fig1: USB3.0 Type B Plug Test Fixture (USB3-BP01A)

LiTek's USB3.0 Type B Plug Test fixture (USB3-BP01A) can be used to measure the Device with USB3.0 Protocol Signal Generator or Real-Time Scope. It can be used to measure USB3.0 Type B receptacle connectors with suitable test settings.



Fig2: USB3-BP01A plugged into USB3.0 Device

For USB3.0 Device testing, USB3-BP01A can be plugged into device port with B Type Receptacle connectors. We can connect SSRX pair to Real-Time Scope to measure signal performance and connect SSTX pair to J-BERT or USB3.0 Protocol generators to check USB3.0 Devices capabilities.

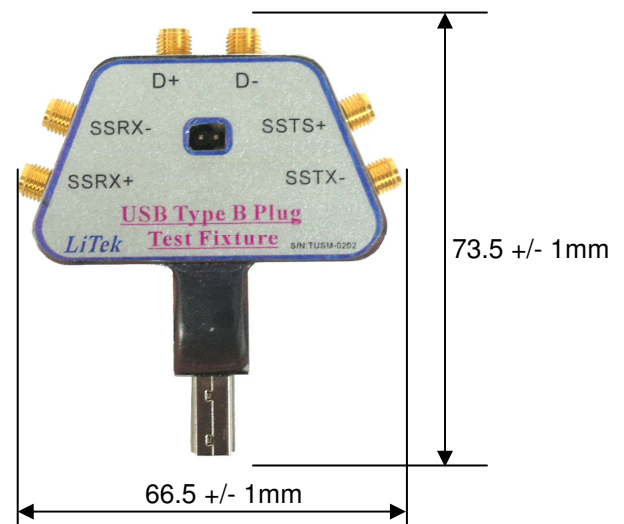
For USB3.0 Type B Receptacle connector testing. We can soldered DUT on the reference board and connected with USB3-BP01A for Impedance and NEXT testing. LiTek Also apply the reference board for standard Type B receptacle in option.

In some case, we may change the Type B plug for user purpose. Customers can apply their considered type B plug to do the USB3-BPXXX as the other test fixtures.

Features:

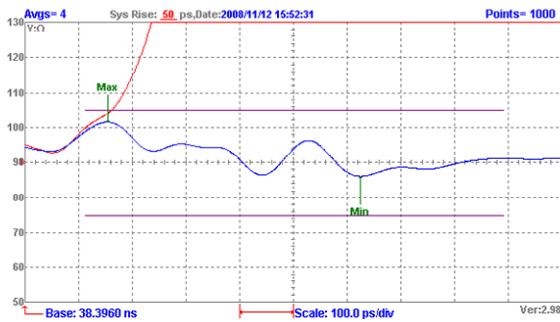
1. Good Impedance match: $100\Omega \pm 5\Omega$
2. Short Trace Length: meet USB3.0 spec.
3. Fast Rise Time: Less than 50 ps.
4. Low Intra pair skew: $\pm 2ps$
5. Low Loss design: Less than 3 dB @5GHz
6. Signal Pairs: SSRX/ SSTS and USB D+/D-.
7. 6 SMA connectors and Type B Plug.

Fig4: USB3-BP01A dimensions

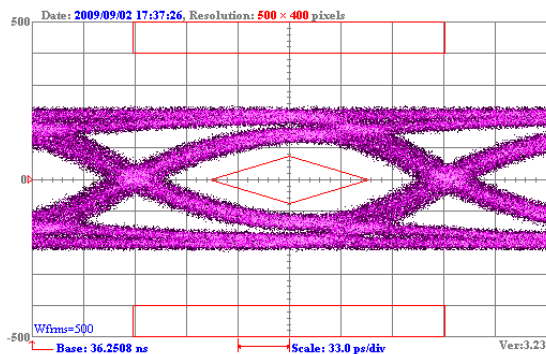


LiTek USB3.0 Type B Plug test fixture (USB3-BP01A)

USB3.0 Mated impedance



USB3.0 Eye diagram with 2M Cable



Related LiTek Products:

Customer own USB3-BP01A may also buy:

- USB3-AR01A: USB3.0 Type A receptacle test fixture.
- USB3-AP01A: USB3.0 Type A Plug test fixture.
- USB3-BR01A: USB3.0 Type B receptacle test fixture.
- USB3-MP01A: USB3.0 Type Micro A/B plug test fixture.
- USB3-MR01A: USB3.0 Type Micro A/B receptacle test fixture.
- USB3-CK01A: USB3.0 2X trace Calibration Kit.
- TpNA for USB3.0 Software.

Application and Reference:

USB3-BP01A can be used to these listed below:

- USB3.0 Devices.
- USB3.0 HUB with Type B receptacle connectors.
- Others with Type B receptacle connectors.
- Measurements for USB3.0 Type B receptacles.
- Measurements for USB3.0 Cable with Type B receptacle side connector.

USB3.0 Measurement Related websites:

- USB Org: <http://www.usb.org>
- Agilent: <http://www.agilent.com>
- Tektronix: <http://www.tektronix.com>
- LiTeK: <http://www.litek.tw>

Contact LiTek:

Taiwan: 4F-3, No. 18, Huannan Rd., Pingzhen City, Taoyuan County 32448, Taiwan Tel: +886-3-4951851 Fax: +886-3-4951841

李文福 經理 Leo Lee leo@litek.tw Cell Phone: +886-922330325

China: 601R Shencai Building Fuyong Boulevard Fuyong Town Baoan District Shenzhen Guangdong

洪瑋駿 經理 Thomas Hung thomas630504@yahoo.com.tw Cell Phone: +86-13823201991