

Datasheet

USB4 V2 TPA Test Fixture



LL-USBC-TPA-P
USB4 V2 TPA Plug Test Fixture



LL-USBC-TPA-R
USB4 V2 TPA Receptacle Test Fixture

Introduction

The USB4 V2 TPA Test Fixture is used for the USB Type-C Interface hosts and devices against the USB4 Compliance Test Specification.

Key Features

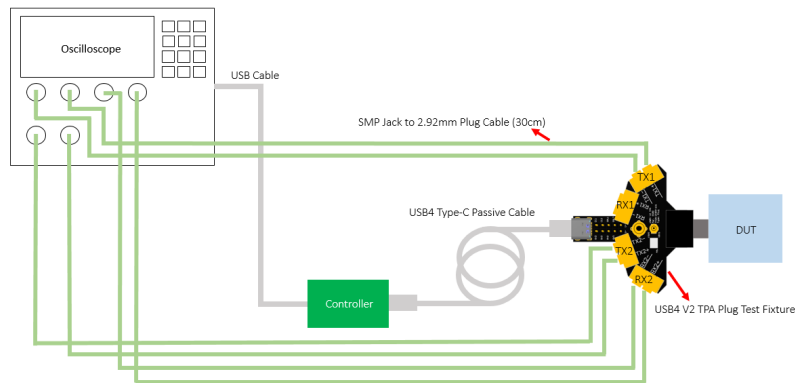
- High performance test fixture supporting up to 40Gbs x 3 Lanes = 120Gbps(Gen4).
- Supports Asymmetric Mode (3 Tx, 1 Rx) / Symmetric Mode (2 Tx, 2 Rx).
- Compact and flexible design for ease of testing different USB source, sink.
- Support for automation source/sink testing with low speed pin connectors to reduce testing time.
- Plug Test Fixture for testing source (NB/PC) and sink (Monitor).
- Receptacle Test Fixture for testing sink (Dongle).
- Compatible with major test equipment brand such as Teledyne LeCroy, Keysight, Tektronix.

Applications

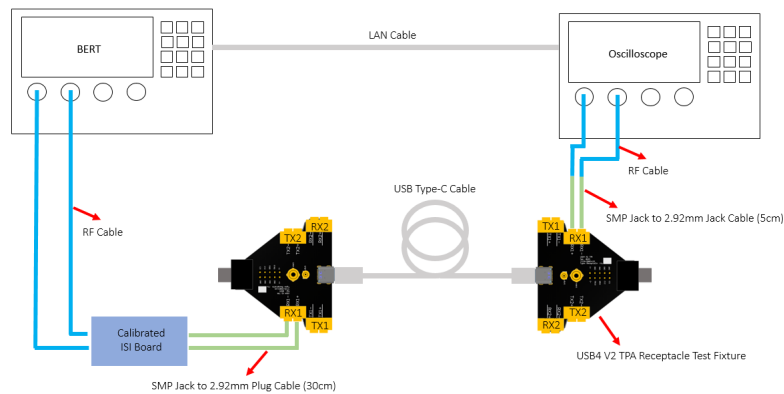
- Source testing please see “**System Test Setup (TX Test)**” below.
- Sink testing please see “**System Test Setup (RX Test)**” below.

Test setup includes but not limited to the following examples:

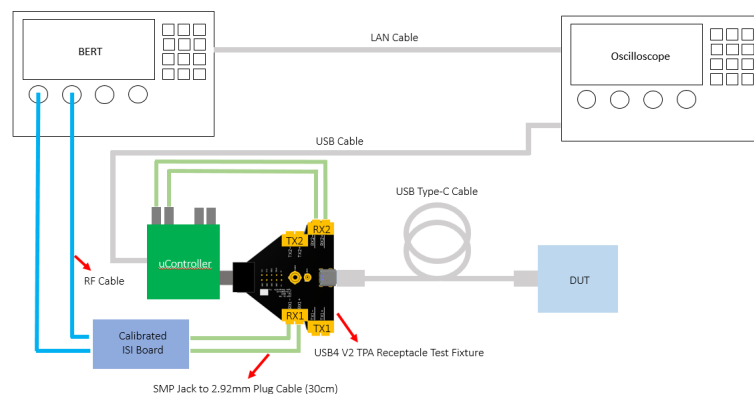
System Test Setup (TX Test)



System Test Setup (RX Calibration)



System Test Setup (RX Test)



For more in depth test procedures, please refer to Compliance Test Specifications listed below.

Reference Specification

1. USB4 Electrical Compliance Test Specification Ver2_0p85 May ,2023

Contact Information