

# Read This First

## Thunderbolt Test Adapter Test Fixture

This document contains information on Thunderbolt Plug and Receptacle adapters. These Plug, Receptacle, and Kit configurations (which contain a mated connector pair and a calibration/de-embed structure) provide electrical physical layer test interfaces for Thunderbolt technology based on the Apple® mini-DisplayPort connector.

<b>Tektronix Nomenclature</b>	<b>Description</b>	<b>Wilder part number</b>
TF-TB-TPA-R	Thunderbolt Receptacle Test Adapter	640-0501-000
TF-TB-TPA-P	Thunderbolt Plug Test Adapter	640-0500-000
TF-TB-TPA-2XC	Thunderbolt 2X Calibration Module	640-0525-000
TF-TB-TPA-PR2XC	Thunderbolt Kit. Kit includes Plug Test Adapter, Receptacle Test Adapter, and 2X Calibration Module	640-0523-000

### Guidelines When Making Connections

- Align cables carefully
- Make preliminary connections lightly
- Torque the SMA connector to 3-5 in-lbs using a calibrated SMA torque wrench
- To tighten, turn connector nut only
- Do not apply bending force to cable
- Do not over-tighten preliminary connections
- Do not twist or screw-in cables

### Other Information

Visit the Wilder Technologies Web site ([www.wilder-tech.com](http://www.wilder-tech.com)) for information about the test fixtures. The information available includes:

- User manual (PDF available for download)
- Electrical and mechanical characteristics
- Electrical care and handling ([www.wilder-tech.com/care-handling.htm](http://www.wilder-tech.com/care-handling.htm))
- Electrical characterization plots

For product information, sales, service, technical support and product recycling, send an e-mail to Wilder Technologies at [support@wilder-tech.com](mailto:support@wilder-tech.com).

For Thunderbolt application information, refer to [www.tektronix.com/thunderbolt](http://www.tektronix.com/thunderbolt).

