

Read This First

MHL Test Adapter Test Fixture

This document contains information on the available MHL (Mobile High-Definition Link) test adapters and test fixture kits. These test adapters and test kits provide electrical test interfaces for MHL technology.

The test fixtures support MHL Source, Dongle, Cable, and Sink devices plus fixtures for Receiver Sense tests for MHL Source, Sink, and Dongle devices.

Tektronix Nomenclature	Description	Wilder part number
MHL Individual Test Fixtures		
TF-MHL-TPA-TT	MHL Termination Board	640-0452-000
TF-MHL-TPA-P-WOSO	MHL Source Test Board Plug without Termination	640-0453-000
TF-MHL-TPA-R-WOSO	MHL Dongle Test Board Receptacle without Termination	640-0454-000
TF-MHL-TPA-R-WOC	MHL Cable Test Board Receptacle without Termination	640-0455-000
TF-MHL-TPA-R-WOSI	MHL Sink Calibration Test Board Receptacle without Termination	640-0456-000
TF-MHL-TPA-P-WOSI	MHL Sink Test Board Plug without Termination	640-0457-000
TF-MHL-TPA-R-SO-RSEN	MHL Source RxSense Test Board Receptacle	640-0458-000
TF-MHL-TPA-R-SI-RSEN	MHL Sink and Dongle RxSense Test Board Receptacle	640-0459-000
MHL Test Fixture Kits		
TF-MHL-TPA-TEK	Complete MHL Test Kit Includes test fixtures: 640-0452-000, 640-0453-000, 640-0454-000, 640-0455-000, 640-0456-000, 640-0457-000, 640-0458-000, and 640-0459-000 Includes two male-to-male SMA adapters	640-0475-000
TF-MHL-TPA-TEK-SO	MHL Source Test Kit Includes test fixtures: 640-0452 and 640-0453-000 Includes two male-to-male SMA adapters	640-0476-000
TF-MHL-TPA-TEK-SI	MHL Sink Test Kit Includes test fixtures: 640-0452-000, 640-0456-000, and 640-0457-000 Includes two male-to-male SMA adapters	640-0477-000
TF-MHL-TPA-TEK-DG	MHL Dongle Test Kit Includes test fixtures: 640-0452-000, 640-0453-000, and 640-0454-000 Includes two male-to-male SMA adapters	640-0478-000
TF-MHL-TPA-TEK-CB	MHL Cable Test Kit Includes test fixtures: 640-0455-000 and 640-0456-000	640-0479-000
TF-MHL-TPA-TEK-RSEN	MHL RxSense Kit Includes test fixtures: 640-0458-000 and 640-0459-000	640-0480-000



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) 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)
- 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.

For MHL application information, refer to <http://www2.tek.com/cmswpt/psdetails.lotr?ct=PS&cs=psu&ci=13470&lc=EN%0A>.