



GRL Platform Solutions

Addendum

GRL-USB-PD-SNIF Addendum for Hardware Setup with GRL-USB-PD-SNIF Fixture and GRL Platform Solutions USB Type-C® Power Delivery Tester and Analyzer (GRL-USB-PD-C2-EPR)



This material is provided as a reference to set up the hardware for USB Power Delivery sniffer function utility testing using the GRL Platform Solutions GRL-USB-PD-SNIF fixture and GRL-USB-PD-C2-EPR test controller.

For user support or information, contact support@grlps.com.

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1 Scope of this Addendum

This Addendum serves as the supplementary documentation for how to connect the GRL Platform Solutions Type-C Sniffer Board (GRL-USB-PD-SNIF) to the GRL-USB-PD-C2-EPR USB Type-C Test Controller for sniffing USB Power Delivery traffic and Qualcomm Quick Charge legacy traffic. The sniffer function allows you to view the PDO negotiations while running sub sampling of USB Power Delivery data packets and generating the PDO communications exchange protocol for the Source/Sink Unit Under Test (UUT).

The GRL-USB-PD-SNIF Board consists of a sniffer extension fixture as follows:



- **GRL-C2-EXT2 Sniffer_V2** – Extension fixture for the GRL-USB-PD-C2-EPR test controller, used to sniff USB Power Delivery traffic and Qualcomm Quick Charge legacy traffic.
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Refer to the GRL-USB-PD-C2-EPR user documentation in <https://www.grlps.com/en-us/download-center> for details on the GRL-USB-PD-C2-EPR software and available test cases.

2 GRL-USB-PD-SNIF Test Fixture Setup

Below is the procedure to set up and attach the GRL-USB-PD-SNIF fixture to the GRL-USB-PD-C2-EPR test controller.



1. Connect the Source or Sink device (for testing the respective Sink or Source UUT) to the USB Test Port 1 of the GRL-USB-PD-C2-EPR test controller. The controller Test Port 1 will act as the Source/Sink for the UUT.
2. Attach the GRL-USB-PD-SNIF fixture to the Extension connector of the GRL-USB-PD-C2-EPR test controller and then plug in the UUT to the USB Type-C connector of the GRL-USB-PD-SNIF fixture.

Note: Refer to the GRL Platform Solutions Power Suite Pro (GRL-PSP) user documentation from <https://www.grlps.com/en-us/download-center> for details on using the sniffer function in the GRL-PSP software.

GRL USB PD/Type-C Test Software Suite



GRL Power Suite Pro (GRL-PSP) GRL-PSP Demo Video • GRL-PSP: Multi-Functional Testing for Competitive Benchmarking, Debug and Interop Testing	v3.2.100401	Oct. 30, 2025	Download
GRL Battery Monitor for Android	v1.0.18		Download
GRL Power Suite Pro (GRL-PSP) User Documentation	v3.2.1		Download
GRL USB Power Delivery API documentation	v1.1.9		View

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