EDSFF and OCP Adapter Card
for use with PCI Express® 5.0

Key Features

- **Allows EDSFF and OCP devices to connect to PCI Express slots**

- **Direct testing of PCIe® functions using standard PCIe host slot**

- **NVMe at up to x16 link widths**

- **Supports data rates up to 32.0 GT/s**

- **Supports devices in reinforced slot up to x16**

- **Combine with interposer and analyzer for increased test flexibility**
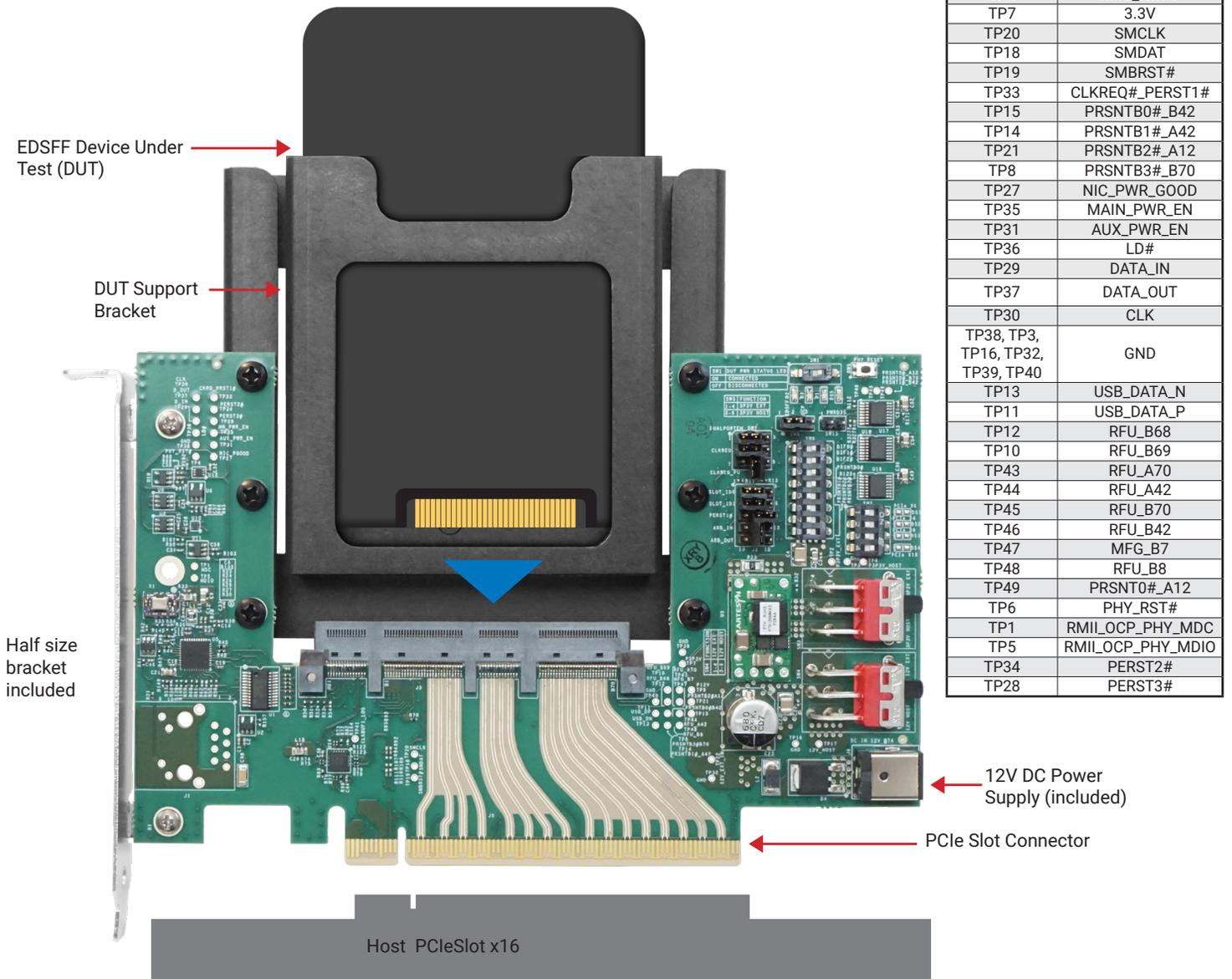
Specifications

- **Host adapter: 6.65" x 5.93" (168.91mm x 150.62mm)**

- **Link Widths x1, x2, x4, x8 or x16**

- **Data Rates 2.5 GT/s, 5.0 GT/s, 8.0 GT/s, 16.0 GT/s and 32.0 GT/s**

- **Can be used with SCSI, SATA Express, NVMe and Gen-Z**

Teledyne LeCroy's PCIe® 5.0 EDSFF and OCP Host Adapter provides a quick and simple means for test and debug of Solid State Drives (SSDs) and OCP NIC form factor cards based on PCI Express (PCIe) protocol. It supports data rates of 2.5 GT/s, 5.0 GT/s, 8.0 GT/s,16.0 GT/s and 32.0 GT/s. This host adapter also supports side band signals such as PERST#, WAKE#, CLKREQ# and SMBus (SMBCLK, SMBDAT).

The PCIe 5.0 x4 EDSFF and OCP Host adapter provides connectivity capability for E1.S, E1.L, E3.x type devices and NIC 3.0 devices from the SFF-TA-1002 multi-lane card edge connector to a PCIe 5.0 x16 CEM slot.

EDSFF Host Adapter Interconnection Overview

EDSFF Device Under Test (DUT)

DUT Support Bracket

Half size bracket included

12V DC Power Supply (included)

PCIe Slot Connector

Host PCIeSlot x16

Test Point Number	Test Point Name
TP22	12V_EXT
TP17	12V_HOST
TP9	12V
TP2	3.3V_EXT
TP4	3.3V_HOST
TP7	3.3V
TP20	SMCLK
TP18	SMDAT
TP19	SMBRST#
TP33	CLKREQ#_PERST1#
TP15	PRSNTB0#_B42
TP14	PRSNTB1#_A42
TP21	PRSNTB2#_A12
TP8	PRSNTB3#_B70
TP27	NIC_PWR_GOOD
TP35	MAIN_PWR_EN
TP31	AUX_PWR_EN
TP36	LD#
TP29	DATA_IN
TP37	DATA_OUT
TP30	CLK
TP38, TP3, TP16, TP32, TP39, TP40	GND
TP13	USB_DATA_N
TP11	USB_DATA_P
TP12	RFU_B68
TP10	RFU_B69
TP43	RFU_A70
TP44	RFU_A42
TP45	RFU_B70
TP46	RFU_B42
TP47	MFG_B7
TP48	RFU_B8
TP49	PRSNT0#_A12
TP6	PHY_RST#
TP1	RMII_OCP_PHY_MDC
TP5	RMII_OCP_PHY_MDIO
TP34	PERST2#
TP28	PERST3#

Ordering Information

Product Description	Product Code
PCIe 5.0 EDSFF/OCP Host Adapter	PE-G5-1002-2-X16HOST-X