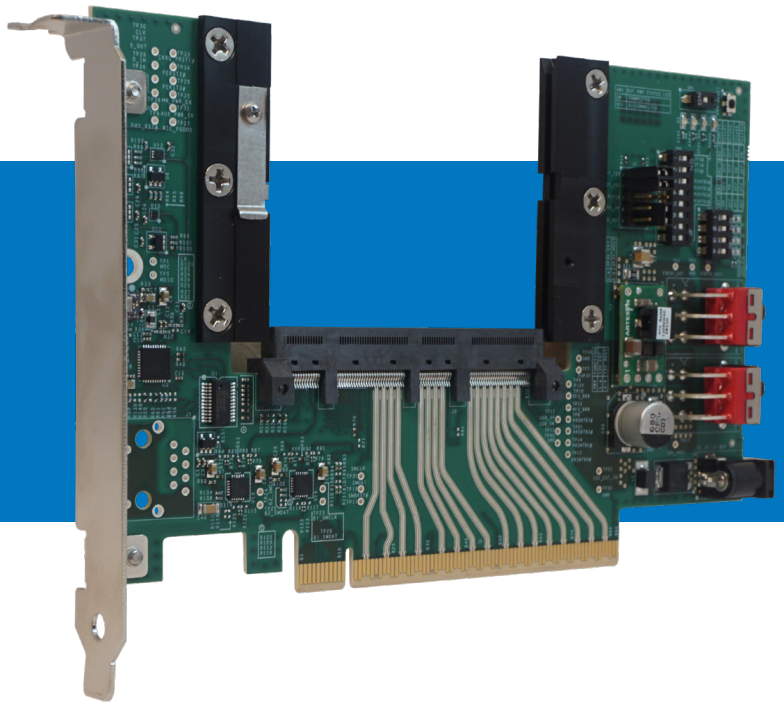
TELEDYNE LECROY
Everywhereyoulook™

PCI Express® 4.0 OCP NIC 3.0 Host Adapter



Key Features

- **Allows OCP NIC 3.0 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 16.0 GT/s**
- **Supports devices in reinforced slot up to x16**
- **Combine with interposer and analyzer for increased test flexibility**

Specifications

- **Weight: 0.25 lbs**
- **Link Widths x1, x2, x4, x8 or x16**
- **Data Rates 2.5 GT/s, 5.0 GT/s, 8.0 GT/s and 16.0 GT/s**
- **Can be used with NVMe and Gen-Z**
- **Dimensions:** 7.13” x 4.17” (181mm x 106mm)
- **Environmental:**
  - Temperature (operating): 5-40°C
  - Temperature (non-operating): -20~60°C
  - Humidity (operating): 5% to 80% RH (non-condensing) at <=30°C 50% max RH (non-condensing) at 40°C
  - Humidity (non-operating): 5% to 95% max RH (non-condensing) as tested per MIL-PRF-28800F

Teledyne LeCroy’s PCI Express PCIe® 4.0 OCP NIC 3.0 adapter allows users to connect a OCP NIC 3.0 device into a PCIe CEM slot. The adapter supports data rates of 2.5 GT/s, 5.0 GT/s, 8.0 GT/s and 16.0 GT/s, side band signals such as PERST#, WAKE# and SMBus (SMBCLK, SMBDAT). The PCIe 4.0 OCP NIC 3.0 adapter supports link widths up to x16.

The OCP Server Project is innovating new standardized server system specifications for greater efficiency. The Server Project collaborates with the other OCP disciplines across the industry providing new ways to reduce cost, power and other factors.

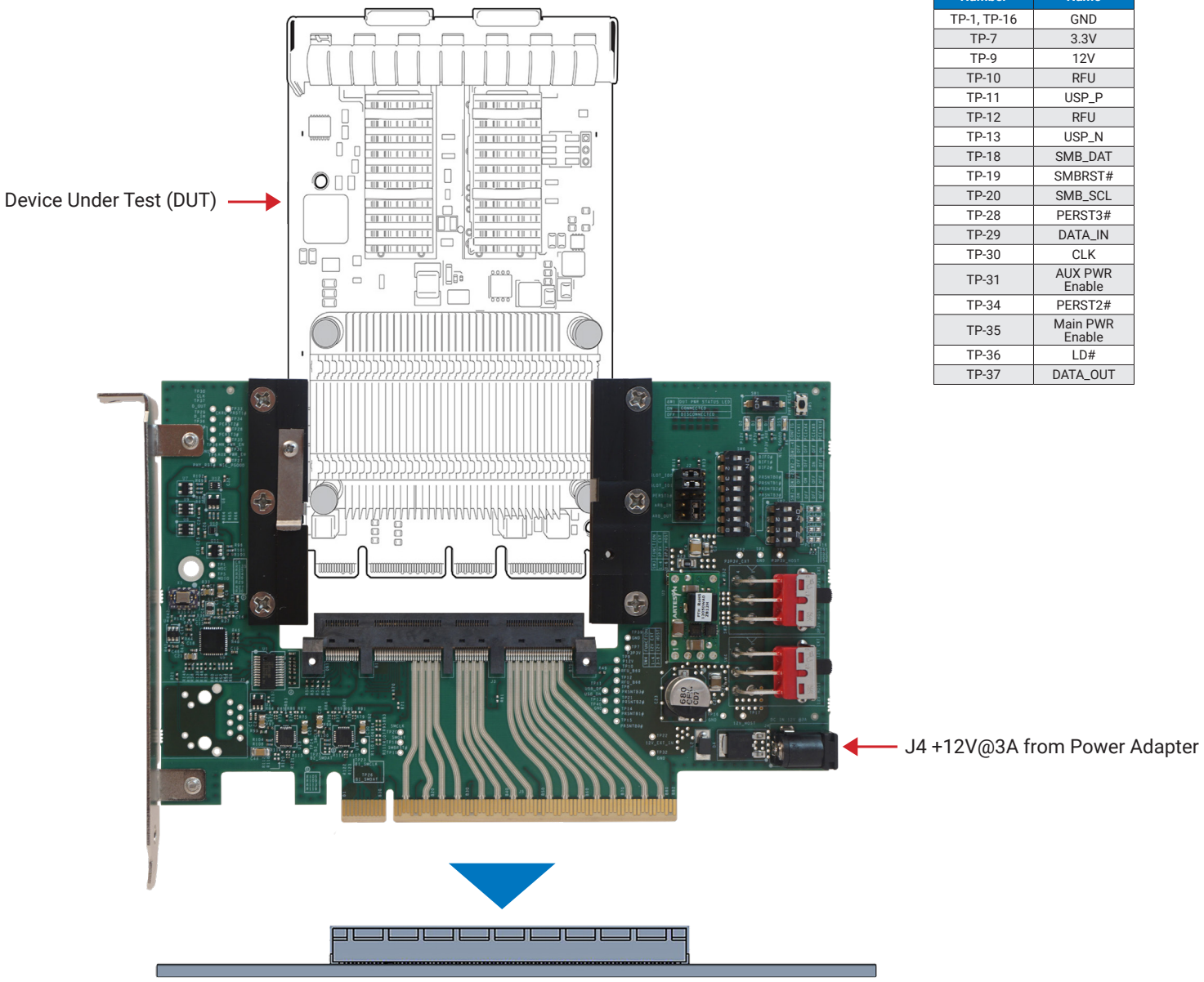
This adapter provides third-party developers of new OCP NIC 3.0 devices designed for use with the OCP Host Systems a valuable new tool for development, test and debug of new mezzanine products.

PCI EXPRESS®

PCI Express 4.0 OCP 3.0 Host Adapter Interconnection Overview

Test Points

Test Point Number	Test Point Name
TP-1, TP-16	GND
TP-7	3.3V
TP-9	12V
TP-10	RFU
TP-11	USP_P
TP-12	RFU
TP-13	USP_N
TP-18	SMB_DAT
TP-19	SMBRST#
TP-20	SMB_SCL
TP-28	PERST3#
TP-29	DATA_IN
TP-30	CLK
TP-31	AUX PWR Enable
TP-34	PERST2#
TP-35	Main PWR Enable
TP-36	LD#
TP-37	DATA_OUT



Ordering Information

Product Description

PCIe 4.0 x16 OCP NIC 3.0 Adapter

Product Code

PE-G4-OCP3.0-2-X16SLOT-X