

# U.2 and U.3 Host Adapter Cards

## for use with PCI Express® 5.0

### Key Features

**Allows U.2 or U.3 devices to connect to PCI Express slots**

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

**Can support x5 configurations**

- NVMe at up to x4 link widths

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

**Supports devices in reinforced slot**

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

### Specifications:

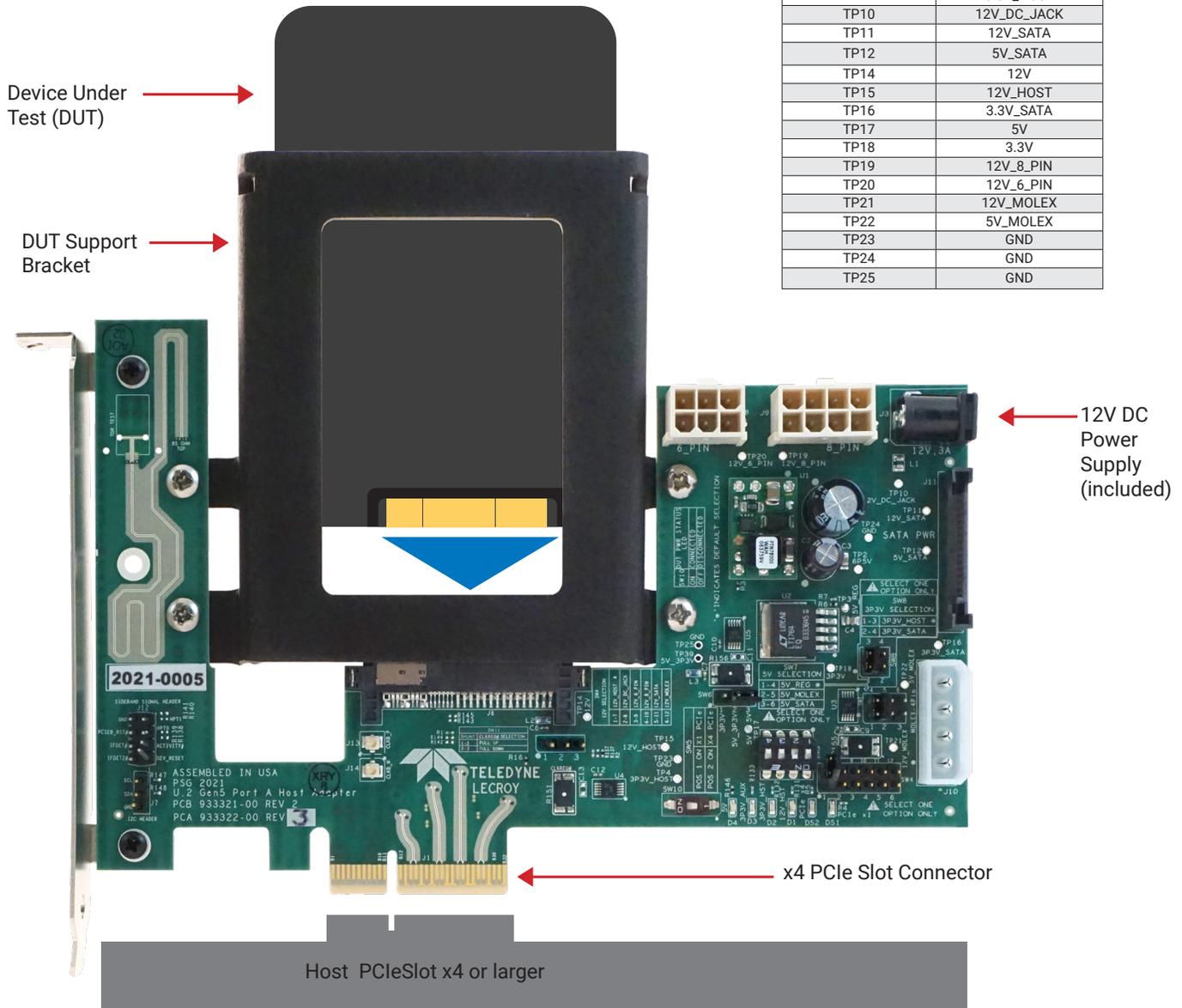
- Host adapter: 6.14" x 7.16" (155.96 mm x 181.86 mm)
- Link Widths x1, x2 or x4
- Data Rates 2.5 GT/s, 5.0 GT/s, 8.0 GT/s, 16.0 GT/s and 32.0 GT/s
- Can be used with SCSI, SATA Express, NVMe

Teledyne LeCroy's Gen5 U.2 and U.3 Host Adapters provide a quick and simple means for test and debug of Solid State Drives (SSDs) based on PCI Express (PCIe) protocols. They support data rates of 2.5 GT/s, 5.0 GT/s, 8.0 GT/s, 16.0 GT/s and 32.0 GT/s. Each host adapter also supports side band signals such as PERST#, WAKE#, CLKREQ# and SMBus (SMBCLK, SMBDAT).

There are five host adapter configurations. All the adapters have similar features; the only difference is how the links are connected between the SFF-8639 connector and the PCIe CEM Edge connector.

G5 U.2 Port A to PCIe G5 x4 Slot Adapter	Port A U.2 x4 Routing 4 lanes of port A from U.2 connector straight to the bottom PCIe CEM edge fingers
G5 U.2 Port B to PCIe G5 Slot Adapter	Port B U.2 x2 Routing 2 lanes of port B from U.2 connector to the bottom PCIe CEM edge fingers (lane 0 and lane 1)
G5 U.3 Port A to PCIe G5 Slot Adapter	Port A U.3 x4 Routing 4 lanes of port A from U.3 connector straight to the bottom PCIe CEM edge fingers
G5 U.3 Port A x2 to PCIe G5 Slot Adapter	Port A U.3 x2 Routing 2 lanes of port A from U.3 connector straight to the bottom PCIe CEM edge fingers (lane 0 and lane 1)
G5 U.3 Port B x2 to PCIe G5 Slot Adapter	Port B U.3 x2 Routing 2 lanes of port B from U.3 connector to the bottom PCIe CEM edge fingers (lane 0 and lane 1)

## U.2 / U.3 Adapter Interconnection Overview



Test Point Number	Test Point Name
TP2	6.5V
TP3	5V_EXT
TP4	3.3V_HOST
TP10	12V_DC_JACK
TP11	12V_SATA
TP12	5V_SATA
TP14	12V
TP15	12V_HOST
TP16	3.3V_SATA
TP17	5V
TP18	3.3V
TP19	12V_8_PIN
TP20	12V_6_PIN
TP21	12V_MOLEX
TP22	5V_MOLEX
TP23	GND
TP24	GND
TP25	GND

## Ordering Information

### Product Description

- G5 U.2 Port A to PCIe G5 x4 Slot Adapter
- G5 U.2 Port B to PCIe G5 Slot Adapter
- G5 U.3 Port A to PCIe G5 Slot Adapter
- G5 U.3 Port A x2 to PCIe G5 Slot Adapter
- G5 U.3 Port B x2 to PCIe G5 Slot Adapter

### Product Code

- PE-G5-8639.2-2-X4SLOT-X
- PE-G5-8639BP.2-2-X2SLOT-X
- PE-G5-8639.3-2-X4SLOT-X
- PE-G5-8639.3-2-X2SLOT-X
- PE-G5-8639BP.3-2-X2SLOT-X



Local sales offices are located throughout the world.  
Visit our website to find the most convenient location.

1-800-5-LeCroy • [teledynelecroy.com](http://teledynelecroy.com)



**TELEDYNE LECROY**  
Everywhereyoulook™