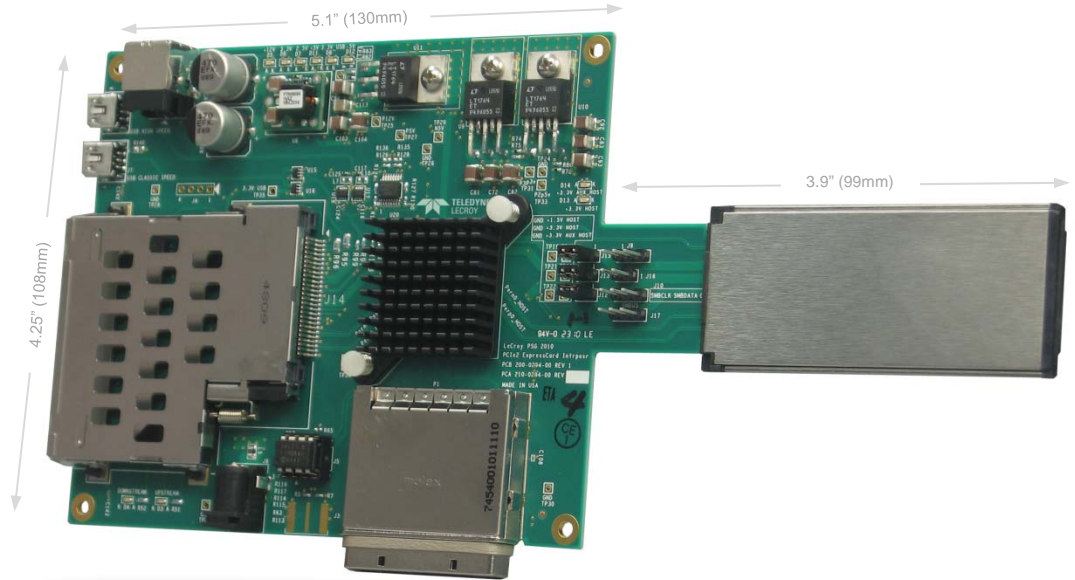


## ExpressCard® 2.0 Interposer for PCI Express® 2.0 and USB 2.0

ExpressCard 2.0 Interposer supports PCI Express® 2.0 and USB 2.0 data rates



**ExpressCard®**

### Key Features

- Designed to support both ExpressCard/34 and ExpressCard/54 form factors**
- Supports PCI Express 2.0 with data rates to 5 GT/s**
- Provides protocol analyzer connection to capture all PCIe® traffic at data rates up to 5 GT/s**
- Supports USB 1.1 and 2.0 at data rates up to 480 Mb/s**
- Provides protocol analyzer connection to capture all USB traffic at data rates up to 480 Mb/s**
- Provides extensive test points to monitor performance**
- Simple and easy set-up**

Teledyne LeCroy's ExpressCard 2.0 Interposer for the Summit™ PCI Express Protocol Analyzer product line is a dedicated probe that makes it easier to analyze data traffic from an ExpressCard interface (designed to insert into an ExpressCard slot in a notebook or tablet system). The ExpressCard standard was developed by the PCMCIA to replace the previous PC Card and CardBus standards.

The ExpressCard 2.0 standard, developed by the PCMCIA and now part of the USB-IF portfolio, is a small form-factor mobile I/O card running at data rates up to 5 GT/s to support primarily PCI Express 2.0 as well as USB. There are two form factors for ExpressCard, ExpressCard/34 (34 mm wide) and ExpressCard/54 (54 mm wide, in an L-shape). ExpressCard applications can include expanded system interfaces, storage and multi-media devices such as wireless, SATA drives and SSD modules.

The Teledyne LeCroy ExpressCard Interposer supports probing at speeds up to 5 GT/s. The ExpressCard interposer supports both 34 mm and 54 mm ExpressCard form factors. The interposer also provides a series of test points for measuring various signals. In addition to probing the PCI Express interface, the new interposer card also provides connectivity to Teledyne LeCroy's USB analyzers for USB 1.1 and USB 2.0 protocol analysis.

### Ordering Information

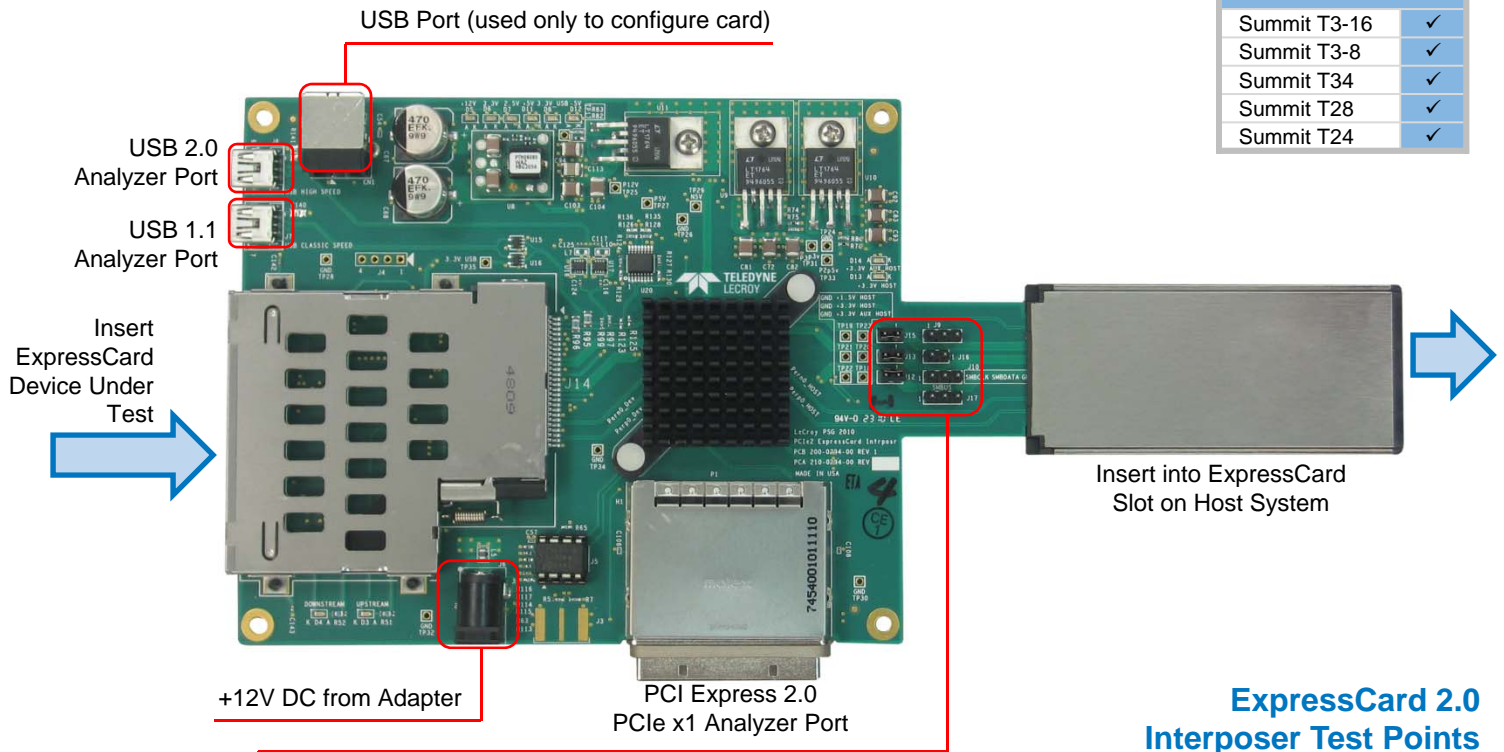
#### Product Description

ExpressCard Gen2 Interposer (for use with Summit T24, T28, T2-16 and T3-16 Analyzers)

#### Product Code

PE05UIA-X

System Compatibility	
Summit T3-16	✓
Summit T3-8	✓
Summit T34	✓
Summit T28	✓
Summit T24	✓



## ExpressCard 2.0 Interposer Test Points

### ExpressCard 2.0 Interposer Header Pins

Header	Pin	Signal	Notes
J9	1	CPUSB#	See ExpressCard Standard (Release 2.0) for signal definitions
	2	PERST#	
	3	CPPE#	
J10	1	SMBCLK	See ExpressCard Standard (Release 2.0) for signal definitions
	2	SMBDATA	
	3	GND	
J12	1	+	+3.3V Aux Enabled with jumper installed
	2	—	
J13	1	+	+3.3V Enabled with jumper installed
	2	—	
J15	1	+	+1.5V Enabled with jumper installed
	2	—	
J16	1	GND	See ExpressCard Standard (Release 2.0) for signal definitions
	2	USB3#	
J17	1	WAKE#	See ExpressCard Standard (Release 2.0) for signal definitions
	2	CLKREQ#	
	3	GND	

Test Point	Signal	Description
TP17	INH#	This is an input signal to turn on/off the entire power of the interposer. Ground this signal to turn off power.
TP18	P3P3VAUX	+3.3V AUX power supply from host to device.
TP19	GND	Ground.
TP20	P3P3V	+3.3V power supply from host to device.
TP21	GND	Ground.
TP22	GND	Ground.
TP23	P1P5V	+1.5V power supply from host to device.
TP24	GND	Ground.
TP25	+12V	+12V external power supply for interposer.
TP26	GND	Ground.
TP27	+5V	+5V power for interposer.
TP28	GND	Ground.
TP29	-5V	-5V power for interposer.
TP30	GND	Ground.
TP31	+3.3V	+3.3V power for interposer (this is the output of regulator U9).
TP32	GND	Ground.
TP33	+2.5V	+2.5V power for interposer (this is the output of regulator U10).
TP34	GND	Ground.
TP35	P3P3VUSB	+3.3V power for USB circuit (this is the output of regulator U11).



1-800-909-7211  
teledynelecroy.com

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