



FOR IMMEDIATE RELEASE

## Pickering Interfaces Expands PCI Fault Insertion Switch Range for Differential Serial Interfaces

**June 2016 – Clacton-on-Sea, UK** – Pickering Interfaces, a leading supplier of modular signal switching for electronic test and simulation, is expanding its range of PCI Fault Insertion switching with the introduction of two new modules (models 50-200 and 50-201) designed for use with differential serial interfaces.

Pickering Interfaces continues to promote its test solutions in multiple platforms by offering fault insertion in different form factors (PXI and PCI) with the same options. This offering allows the user to choose the most appropriate platform for their test system. These two new PCI Fault Insertion Cards have the same functionality as their recently announced PXI Fault Insertion Modules (models 40-200 and 40-201).

The new PCI modules include the Differential PCI Fault Insertion Switch (model 50-200) which is designed for lower data rate serial interfaces such as CAN and FlexRay, and the High Bandwidth Differential PCI Fault Insertion Switch (model 50-201) which is designed for higher data rate serial interfaces such as AFDX and 1000BaseT Ethernet. Each module allows the introduction of fault connections that include data paths open, data paths shorted together, and data paths shorted to externally applied faults such as power supplies and ground. The software driver defaults to a protective mode where conflicting faults are prevented to avoid accidentally shorting unintended paths, such as power to ground. A separate mode allows complete freedom in setting fault patterns.

These PCI fault insertion modules will find application in testing the response of safety-critical communication systems used in automotive and aerospace environments. Each module is available with a choice of channel counts, allowing users to choose the most appropriate solution for the intended application.

Both modules are supported by Pickering's new eBIRST switching system test tool. These tools simplify switching system fault-finding by quickly testing the system and identifying the faulty relays. Once identified, the tools then display a graphical representation of the switching system's PCB assembly, highlighting the relays that need to be replaced.

Connections are available on an easy to use 78-way D connector and are supported by Pickering's range of cable and connector options. In addition, Pickering Interfaces can design and supply interface adaptors to application specific connectors.

Pickering Interfaces stands behind all of their manufactured products with a **standard three-year warranty and guaranteed long-term product support**. Pricing and availability information is supplied on their website at [www.pickeringtest.com](http://www.pickeringtest.com).



### **About Pickering Interfaces**

Pickering Interfaces designs and manufactures modular signal switching and simulation for use in electronic test and verification. We offer the largest range of switching and simulation products in the industry for PXI, LXI, and PCI applications. To support these products, we also provide cable and connector solutions, diagnostic test tools, along with an in-house software team that has created our application software and software drivers.

Pickering's products are specified in test systems installed throughout the world and have a reputation for providing excellent reliability and value. Pickering Interfaces operates globally with direct operations in the US, UK, Germany, Sweden, France, Czech Republic and China, together with additional representation in countries throughout the Americas, Europe and Asia. We currently serve all electronics industries including, automotive, aerospace & defense, energy, industrial, communications, medical and semiconductor. For more information on signal switching and simulation products or sales contacts please visit [www.pickeringtest.com](http://www.pickeringtest.com).

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