PCI Express Cable Extender

Designed by Engineers for Engineers

The PCI Express Cable Extender is designed to support debugging and verification of x1 PCI express boards. The Extender provides a complete PCI express debugging platform that allows easy access to the logic signals, overcurrent protection and hot-swap capability. It connects to the host computer via CAT6 cable and PCI express interface card.

Easy
access to debugging board from any angle, allows board to be easily rotated during operation

Free
space on the debugging test bench by moving aside "noisy" host computer

Implements
mechanical support mechanism for stabilization of PCI express cards plugged into the top connector

Supports
easy access to the PCI express JTAG signals and allows plug in JTAG emulators or "eLoader™" from AMFELTEC Corp. for programming/loading CPLD/FPGA on add in cards during production/development cycle

Features:

- Meets PCI Express 1.1 specification
- Connects to the host computer via standard CAT6 cable and PCI express interface card
- Supports live insertions for the plug-in board, that doesn't require rebooting of host machine
- Supports external power supply for the generation of all PCI express voltage levels
- Power monitoring and current limiting for the voltages on the PCI express test connector, power shuts-off automatically when overcurrent is detected
- IEEE-1149.1 JTAG Boundary Scan port is available to support system and board level testing
- Mechanical stabilization (US patent 7,255,570) for add-in PCI express cards in cases where it can not be held by the bracket
- RoHS compliant

Software

- Hot swap software for Linux, FreeBSD, Windows.

amfeltec
Smart Devices

35 Fifefield dr.
Maple, ON, Canada
L6A 1J2

Tel: +1.905.417.6438
Email: sales@amfeltec.com
www.amfeltec.com