Features

- Active PCI Extender PWB with three 32/64-bit slots
- PCI frequencies up to 66 MHz
- Universal 64-bit PCI connector on Primary supports any of the following PCI bus configurations:
  - +3.3V, 32/64-bit
  - +5V, 32/64-bit
- Fully compliant to the PCI Local Bus Specification Revision 2.1 and later
- Intel 21154BC PCI-to-PCI Bridge
- +3.3V Regulator provides up to 10A local power to secondary PCI slots. (+3.3V is not needed on backplane!)
- LEDs provide quick system status:
  - +3.3V, +5V, +12V, -12V, VAUX, RST*, 66MHz (primary), 66MHz (secondary), Primary PCI I/O Voltage +3.3V/5V, Secondary PCI I/O Voltage +3.3V/5V, PCI bus activity (5 LEDs)
- Up to 5 amps of +3.3V may be driven onto the backplane with a resettable fuse for overload protection.
- Clearly labeled test posts for all PCI signals

Description

The DNPCIEXT-S3/5 is an extender card designed to aid in the debug and test of PCI-based circuit boards. This is an active extender card--meaning that an Intel 21154 PCI to PCI Bridge is used to isolate the Primary PCI bus from the three secondary PCI bus slots. Since primary and secondary busses are electrically isolated, a much cleaner electrical signaling environment exists, and a single host slot can contain up to three plug-in PCI cards. The primary PCI frequency can range from 0 to 66.66MHz. The secondary PCI frequency is automatically set to the primary bus frequency or one-half the primary bus frequency by observing the M66EN pin (B49) on the cards plugged into the secondary slots. DIP switches are provided to force the primary or secondary busses to 33MHz.
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