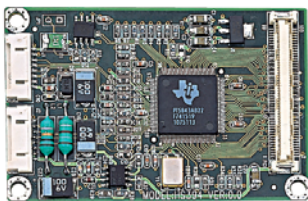Industrial Backplane

HS-200 -- Mini PCI to USB2.0

Specifications

- Compliant with Universal Serial Bus specification Revision 2.0 (Data Rate 1.5/12/480Mbps)
- Compliant with Open Host Controller Interface specification for USB Rev 1.0a
- Compliant with Enganced Host Controller Interface specification for USB Rev 0.95
- PCI multi-function device consists of two OHCI Host Controller cores for full/low-speed signaling and one EHCI Host Controller cores for high-speed signaling
- Root Hub with 5 (max.) downstream facing ports which are shared by OHCI and EHCI Host Controller core
- All downstream facing ports can handle high-speed (480Mbps), full-speed (12Mbps), and low-speed (1.5Mbps) transaction
- Configurable number of downstream facing ports (2 to 5)
- 32-bit 33MHz host interface compliant to PCI specification release 2.2
- PCI Bus bus-master access
- System Clock is generated by 30MHz X'tal or 48MHz clock input
- Ooerational registers direct-mapped to PCI memory space
- Legacy support for all downstream facing ports. Legacy support features allow easy migration for motherboard implementation
- 3.3V power supply, PCI signal pins have 5V tolerant circuit

HS-420 -- PCMCIA and USB2.0

Specifications

- Mix and match 5V/3.3V 16-bit PC cards and 3.3V CardBus cards
- Two PC card or CardBus slots with hot insertion and removal
- Uses serial interface to TI TPS2206/2216 dual slot PC card power switch
- Pipelined architecture allows greater than 130Mbps
- Exchangeable card architecture (ExCA)
- Compliant with Universal Serial Bus specification revision 2.0 (data rate 1.5/12/480Mbps)
- Compliant with open host controller interface specification for USB revision 1.0a
- Root Hub with 4 (max.) downstream facing ports which are shared by OHCI and EHCI Host Controller core
- All downstream facing ports can handle high-speed (480Mbps), full-speed (12Mbps), and low-speed (1.5Mbps) transaction
- Supports mini PCI interface and one mini PCI slot

HS-394 -- IEEE1394

Specifications

- IEEE 1394 mini PCI add-on card
- High data transfer rate up to 400Mbps
- Supports both plug-and-play and hot plugging
- Supports auto detectable IRQ
- A single 1394 port can be used to connect up to 63 external devices
- High speed real-time data rates, application for netmeeting, digital video cassette, scaner

HS-559 -- LAN

Specifications

- Integrated IEEE 802.3 10 Base-T and 100 Base-TX compatible PHY
- Integrated power management functions
- ACPI and PCI power management standards compliant
- Magic Packet support
- Backward compatible software for 82558 and 82557
- Full duplex supports at both 10 and 100Mbps
- IEEE 802.3u auto negotiation support
- 3 Kbyte transmit and 3 Kbyte receive FIFOs