

Swift PCI

SWIFT™ NTDS PARALLEL PCI MODULES

KEY FEATURES

- MIL-STD-1397C Type A, B, C, H
- Full-duplex 8, 16, or 32-bit NTDS transfers
- Interrupt, PIO & DMA operation
- Independent NTDS input and output channels
- Field Programmable Gate Array (FPGA) technology
- Separate word counters and time-outs for EI/EF words and data words on inputs and outputs
- PCI 2.1 compliant (supports Plug & Play)
- Short circuit protected, tri-state drivers
- PCI master and slave operation
- Internal loop-back test without disconnecting NTDS cables
- Software enabled time-stamp on input words with 125 ns resolution
- Timestamps can be synchronized across multiple interfaces
- Supports receipt of multiple forced EFs

Input Mode Features

- Separate or combined data and command word buffers
- Input command words, stop on data word
- Input data words, stop on command word
- Passive tap mode

Output Mode Features

- Concurrent data and command buffer operation

Time-out Features

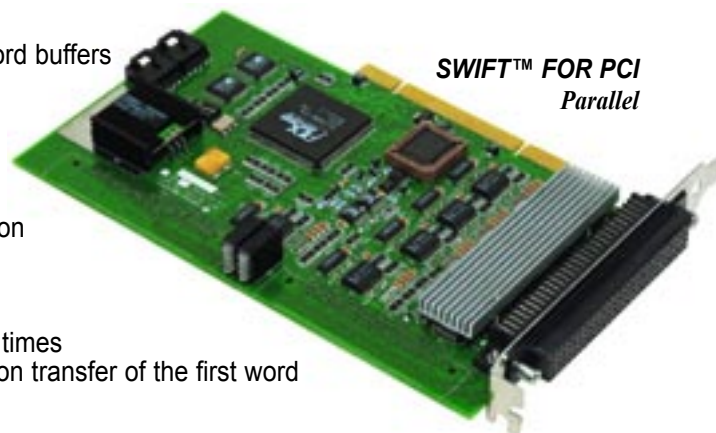
- Time-out values in 10 μ s or 1 ms increments
- Time-out between words and/or total transfer times
- Start time-out at beginning of operation or upon transfer of the first word

Software Drivers *

Windows NT•Windows 2000•Vx Works•Solaris•Linux & RT Linux•HP-UX

*Choice of driver included with board purchase. Check with factory for new OS support

PCI board Level Products (MIL-STD 1397C)



Specifications:

| | |
|------------------------------|---|
| NTDS Interface | MIL-STD-1397C Type A, B, C, H |
| PCI Bus Interface | PCI 2.1 Compliant (5V I/O, 32-bit, 33 MHz) |
| Input Buffer | 4K x 32-bit FIFO (standard) 64K x 32-bit FIFO (optional) |
| NTDS I/O Connector | 112 Pin Receptacle (Berg 50295-5112E) |
| Form Factor | 6.875" x 4.2" (Standard PCI Short Card) |
| Weight | 5.6 oz |
| Relative Humidity | 0% to 90% (non-condensing) |
| Operating Temperature | 0°C to +55°C |

Ordering Information:

| MODEL # | PRODUCT DESCRIPTION |
|-----------------------------|---|
| Swift™ NTDS ABCH PCI | |
| SW-02101-01 | Swift NTDS ABCH PCI Module, 4K FIFO** |
| SW-02102-01 | Swift NTDS ABCH PCI Module, 64K FIFO** |
| | <i>Specifications subject to change without notice (E&OE)</i> |

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