# SWIFT™ NTDS SERIAL PCI MODULES

# **Key Features**

- Fully MIL-STD-1397C Type D or E compliant
- Full-duplex 32-bit NTDS transfers
- Interrupt, PIO & DMA operation
- Independent NTDS sink and source channels
- Field Programmable Gate Array (FPGA) technology
- Separate word counters and time-outs for command and data words on inputs and outputs
- PCI Master and Slave operation
- · Internal loop-back test without disconnecting NTDS cables
- Software selectable SIF with individual test enables
- Software enabled time-stamp on input words with 125 ns resolution
- Timestamps can be synchronized across multiple interfaces
- Ten front panel indicator LED's, including two software controllable User LED's
- Supports receipt of multiple forced Command words
- Control Frame programmability for MIL-STD-1397B compatibility

#### **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
- · Single word or burst mode
- · Passive tap mode

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### **Output Mode Features**

- · Concurrent data and command buffer operation
- · Single word or burst mode

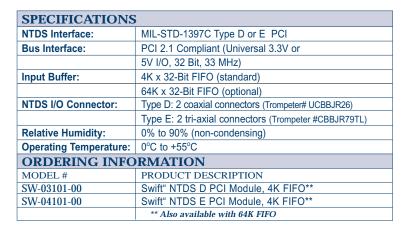
#### **Time-out Features**

- Time-out values in 10 µs or 1 ms increments
- Time-out between words and/or total transfer times
- · Start timeout at beginning of operation or upon transfer of first word

### **Software Drivers** \*

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

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





SWIFT™ FOR PCI Serial

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