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EXC-1553PCI/Px

General Specifications
Supports 1553A/B, F-16
Handles 4 µsec. Intermessage Gap (all modes)
32K bytes dual-port RAM (per channel)
Board setup modifiable in real time
Programmable Interrupts
Variable amplitude transceivers
Direct or Transformer Bus coupling
Programmable Time Tag resolution (RT & MON)
Error Injection (BC & RT)

Host Interface
PCI: Target 8 / 16 bit
Memory space occupied: 32K x 8 per channel
Interrupt: INTA#
Power (/P1): +5V ±5% @ 1.2A

Physical Characteristics
Mechanical format: 175mm x 107mm
Weight (/P): 135 grams

Operating Environment
Temperature: 0° - 70°C
Humidity: 5% - 90% noncondensing
MTBF: 96,000 hours at 25°C, G_F

Software Support
C Drivers with source code
Merlin+ Windows software for Windows 9*x*/NT/2000

Bus Controller
Programmable Intermessage delay
Programmable RT Response Time Out
Programmable Frame Time
Loop and single-shot modes

Remote Terminal
Up to 32 RTs
Selectable Broadcast Mode
Programmable Mode Code Subaddress ID
Programmable Status Word
Programmable RT response time

Bus Monitor
Three operational modes: Fixed-block, Link-list, Look-up Table
Three Storage Modes: Store All, Store Only, Store After
Programmable Triggers and Masks
Concurrent Monitor supports sequential operation only

Ordering Information
EXC-1553PCI/Px: Multi-channel 1553 Interface for PCI bus (up to 4 modules)
EXC-1553PCI/Px-E: Extended temp., ruggedized model (with or without –M option)
EXC-1553PCI/PMx(-E): Supports concurrent BC/RT/BM for each channel
EXC-1553PCI/Px – 1760: 1760 protocol support (with or without –M option)
Note: "x" specifies the number of MIL-STD-1553 channels required

MIL-STD-1553

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