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EXC-1553PCMCIA/EPII

TEST AND SIMULATION CARD

The EXC- 1553PCMCIA/EPII is an intelligent, memory-mapped MIL-STD-1553 interface card which complies with the Personal Computer Memory Card International Association (PCMCIA Release 2.1) standard, including Plug and Play. The card's small size and suitability for PCMCIA compatible notebook computers with Type II slots make it a complete solution for developing and testing 1553 interfaces and for performing system simulation of the MIL-STD-1553 bus, both in the lab and in the field.

General Specifications:

- Supports 1553A/B, F-16, McAir
- 32K x 8 dual-port RAM
- Board setup modifiable in real time
- Programmable Interrupts
- Programmable Time Tag resolution (RT & MON)
- Reinforced I/O connector
- Loopback mode facilitates 1553 cable testing
- Direct or transformer bus coupling



Host Interface

- PCMCIA compliance: PCMCIA release 2.1
  Flash based CIS table
- Memory space occupied: User-programmable
- Power: +5V ±5% @ 0.4A (0% duty cycle)
  @ 0.9A (75% duty cycle)

Physical Characteristics

- Mechanical format: 86mm x 54mm x 10mm (PCMCIA type II)
- Weight : 100 grams

Operating Environment

- Temperature: 0° - 70°C
- Humidity: 5% - 90% noncondensing
- MTBF: 50,000 hours at 25°C, G_F

Software Support

- C Drivers with source code
- Merlin+ Windows software for Windows 9x/2000/XP

Bus Controller Mode

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

Remote Terminal Mode

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

Bus Monitor Mode

- Three operational modes: Fixed-block, Link-list, Look-up Table
- Three Storage Modes: Store All, Store Only, Store After
- Programmable Triggers and Masks

Ordering Information

- EXC-1553PCMCIA/EPII
  Advanced 1553 Interface for PCMCIA Type II
- EXC-1553PCMCIA/EPII-R
  Hardwired cable connection
- EXC-1553PCMCIA/EPII-1760
  1760 protocol support
- EXC-1553PCMCIA/EPII-1760-R
  Hardwired cable connection

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EXCALIBUR SYSTEMS

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