1553 PCMCIA CARD

DESCRIPTION:

The 1553 PCMCIA Card provides an intelligent interface between a PC compatible computer and the MIL-STD-1553 data bus. It can operate as a Bus Controller (BC), Remote Terminal (RT), Bus Monitor (BM) or Remote Terminal/Bus Monitor (RT/M). This allows it to be used in developing, testing and simulating the MIL-STD-1553 bus functions from a personal computer. The card is supplied with 128K words of 16 bit memory divided into two pages of 64K each. The card uses the SuMMIT from United Technologies Microelectronics Center to manage the critical functions of the MIL-STD-1553 protocol. The PC has full access and control of the SuMMIT. The SuMMIT internal registers, the full card memory and the card status/control register are I/O mapped to avoid memory management conflicts. The card provides a dual standby redundant interface to the data bus that is configured for transformer coupling. Powerful and flexible interrupts are provided. A Trigger Output is provided as a 665 ns active high pulse generated from the MSG_INT signal from the SuMMIT. For Monitor operation, an option is provided to automatically switch pages when all the monitor blocks have been written. Software is included with the card. The 1553 PCMCIA Card is supplied with a cable assembly with the data bus cables terminated in Trompter PL75 connectors.

PART NUMBER: 5128

FEATURES:

- Easy to use
- MIL-STD-1553 A, B, and Notice II
- Operates as BC, RT, BM or RT/M
- I/O mapped memory: 128K words
- PCMCIA Type II
- Uses SuMMIT from UTMC
- Minimal host overhead
- Flexible interrupts or polling

SPECIFICATIONS:

- Card Size: PCMCIA Type II
- Communication Protocol: MIL-STD-1553 A or B
- Data Bus Coupling: Transformer
- Voltage: +5 V ± 5% @ 0.9 Amps Maximum
- Storage Temperature: -25° to +85° C
- Memory Word Size: 16 bits
- Data Bus: Dual Standby Redundant
- Data Bus Connectors: Trompeter PL75
- Operating Temperature: 0° to 40° C
- Relative Humidity: 10 - 90% Noncondensing

GENERAL INFORMATION:

Specializing in MIL-STD-1553 since 1979, Test Systems provides test equipment, training seminars and validation testing. Test equipment provides for testing and simulating 1553A/B terminals and systems. Training seminars on MIL-STD-1553 provide a comprehensive discussion of the standard and include hands-on lab sessions. Approved validation testing service tests remote terminals and components to the requirements of MIL-STD-1553.

For more information contact:

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