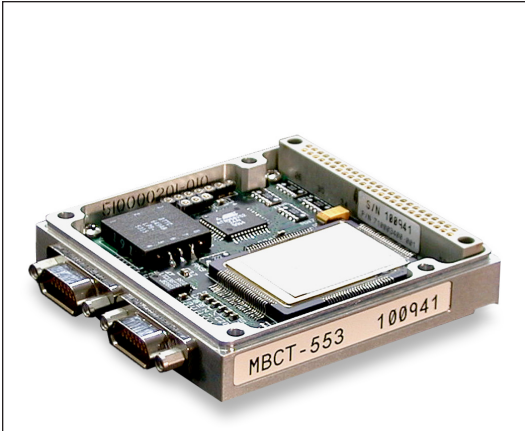


MIL-STD-1553 Bus Controller Module



Applications

- 1553 Instrumentation
- Avionics Bus Monitoring
- Data Acquisition Systems

Features

- MIL-STD-1553 Bus Controller (BC)
- As a 1553 BC Module:
 - Initiates all Data Transfers on the Bus
 - Provides Message Scheduling
 - Provides Multiple Message Processing
 - Allows up to 768 Messages
 - Utilizes 32Kx16 of Data Buffer
- Supports PCM Transmission of Acquired 1553 Messages & Status
- Supports RS-232 Monitoring of Acquired 1553 Messages & Status
- Provides Continuous Error Checking & Built-in Test
- Multiple Modules in a Single Stack
- Configurable to Operate with Analog Conditioning Modules in Same Stack
- Windows 95/98/NT/2000 Software Included

Description

The MBCT-553 is a MIL-STD-1553 Bus Controller (BC) Module for use in TTC's MEDAU-2000 or MCDAU-2000 series products. As a BC, the MBCT-553 initiates all commands on the bus based on a preloaded schedule. Messages are temporarily buffered and are available for transmission in the PCM output format as "Class I PCM" (standard fixed-position), or can be monitored through the host stack's RS-232 programming port. The module performs word/message validation and extensive Built In Test (BIT), the results of which are available over the 1553 bus by the bus controller, through the host stack's PCM output format, or via the host stack's RS-232 programming port.

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MBCT-553 Datasheet

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