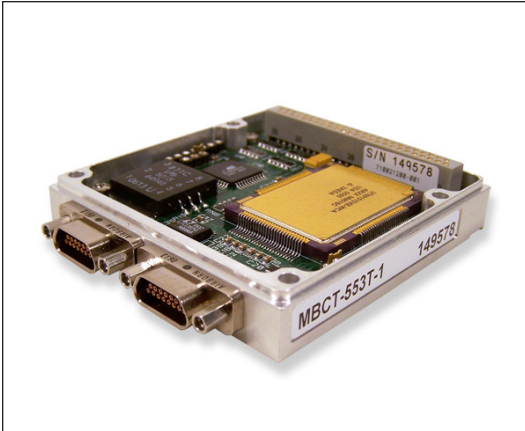


MIL-STD-1553 Bus Controller Module for Training System



Applications

- 1553 Instrumentation
- Avionics Bus Monitoring
- Flight Training
- 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 Serial Data Insertion into 1553 Message Words
- 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 2000/XP Software Included

Description

The MBCT-553T 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 formats the input data into 1553 message words for output onto the 1553 bus. 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.

Revision 05/12/2015

MBCT-553T Datasheet

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Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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