

### MIL-STD-1553 Remote Terminal Module



#### Applications

- 1553 instrumentation
- Avionics bus monitoring
- Data acquisition systems

#### Features

- MIL-STD-1553 Remote Terminal (RT)
- As a 1553 RT module:
  - Responds to valid commands received from the bus controller
  - Transmits buffered memory in response to bus controller query
  - Receives and buffers data from bus controller
- Supports PCM transmission of acquired 1553 messages & status
  - Buffers provided for 30 SubAddresses
  - Includes all receive & transmit messages
  - Provides 32 words per SubAddress
- Supports RS-232 monitoring of acquired 1553 messages & status
- Provides continuous error checking & Built-In Test (BIT)
- Multiple modules in a single stack
- Configurable to operate with analog conditioning modules in same stack
- Microsoft Windows application software included

#### Description

The MBRT-553 is a MIL-STD-1553 Remote Terminal (RT) Module for use in TTC's MEDAU-2000 or MCDAU-2000 series products. As an RT, the MBRT-553 responds to valid commands received from the bus controller. 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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#### MBRT-553 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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