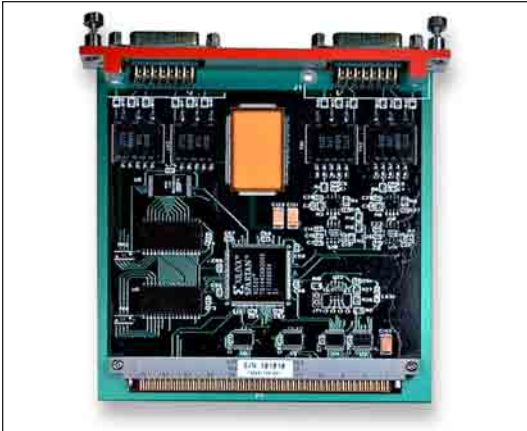


MIL-STD-1553 Bus Controller



Applications

- 1553 instrumentation
- Avionics bus monitoring
- Data acquisition systems

Features

- MIL-STD-1553 Bus Controller (BC)
- Transmits acquired PCM instrumentation data on the 1553 bus and RS-232
- Receives 1553/RT data for insertion into the PCM and RS-232
- Receives RS-232 for insertion into 1553 and PCM
- As a 1553 BC card:
 - Initiates all data transfers on the bus
 - Provides message scheduling
 - Provides multiple message processing
 - Allows up to 130 messages
 - Utilizes 32Kx16 of data buffer
- Provides continuous error checking and built-in test
- Multiple cards in a single unit
- Configurable to operate with analog conditioning cards in same unit
- Microsoft Windows application software included

Description

The BCT-553M is a MIL-STD-1553 Bus Controller (BC) card for use in TTC's EDAU/CDAU-2000 series products. As a BC, the BCT-553M 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 unit's RS-232 programming port, user can also select PCM data mounts for insertion into the 1553 and RS-232. The card 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 unit PCM output format, or via the host unit's RS-232 programming port.

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BCT-553M Datasheet

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