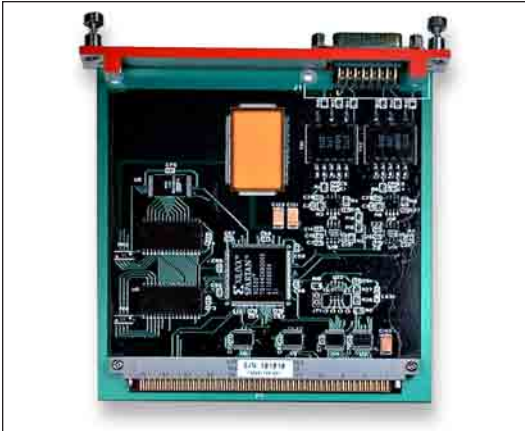


MIL-STD-1553 Bus Controller



Applications

- 1553 instrumentation
- Avionics bus monitoring
- Data acquisition systems

Features

- MIL-STD-1553 Bus Controller (BC)
- As a 1553 BC card:
 - 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 and built-in test
- Multiple cards in a single chassis
- Configurable to operate with analog conditioning cards in same chassis
- Microsoft Windows application software included

Description

The BCT-553 is a MIL-STD-1553 Bus Controller (BC) card for use in TTC's EDAU/CDAU-20XX series products. As a BC, the BCT-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 unit's RS-232 programming port. 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's PCM output format, or via the host unit's RS-232 programming port.

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BCT-553 Datasheet

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