

MIL-STD-1553 Bus Monitor - Chapter 8 & 4 Compatible



Applications

- MIL-STD-1553 instrumentation
- Avionics bus monitoring
- Lab test

Features

- MIL-STD-1553 bus monitor card
 - One dual-redundant input channel
 - Supports 1553 A/B and MACAIR
 - Direct or transformer coupling
- IRIG 106-96, Chapter 8 (100% data)
 - From the card (1, 2, 3, or 4 tracks)
 - Uses CMP-112 card in unit
 - Messages are FIFO buffered
- IRIG 106-96, Chapter 4 (selected data)
 - Class I fixed-position transmission
 - Messages stored in local memory
- Optional PCM tracksplit outputs
 - Class II per IRIG 106-96, Chapter 8
 - User selectable output rate and number of outputs
- 16-bit discrete word input per card
- Timestamp on a per-message basis
 - High, low and micro time
- Multiple cards in a single unit
- Configurable to operate with analog conditioning cards in same unit
- Microsoft Windows application software included

Description

The BIM-553-8 is a 1-channel dual-redundant MIL-STD-1553 bus monitor card for use in TTC's EDAU-20XX or CDAU-20XX products. The card supports data transmission as standard fixed-position PCM output from the host unit (per IRIG-106, Chapter 4), and simultaneously for transmission through a CMP-112 card as high-speed composite data (per IRIG-106, Chapter 8). The card supports either direct or transformer coupling under user-program control. High time, low time, and micro timestamping are provided on a per-message basis. The card provides optional tracksplit outputs and accepts one 16-bit user word input.

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BIM-553-8 Datasheet

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