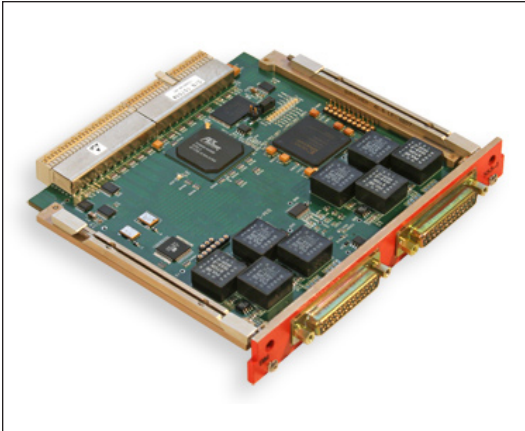


Eight Channel MIL-STD-1553 Bus Monitor Interface Card



Applications

- 1553 avionics bus monitoring
- Flight Test Data Recording
- Flight Test Instrumentation
- Lab Test

Features

- For use in TTC's AIM and HS-AVDAU products
- Eight (8) independent 1553 Bus Monitor channels
- Each 1553 bus monitor channel supports:
 - Dual redundancy
 - Direct or Transformer bus coupling
 - 1553A/B and MACAIR
 - Time tag per IRIG chapter 10
 - 100% data recording
- Provides Composite PCM output per IRIG-106 chapter 8 data format
- Interfaces to customized 66MHz-64Bit CompactPCI® Bus
- Multiple BIM-553 cards can be placed in a single chassis
- Configurable using TTC's Programmable Software Application (Windows 95/98/NT/2000/XP)

Description

The BIM-553-1 card is an 8-channel 1553 bus monitor interface card for use in TTC's Airborne Instrumentation Multiplexer (AIM) and High-Speed Avionics Data Acquisition Unit (HS-AVDAU) products. The BIM-553-1 card has eight dual redundant 1553 channel inputs. Each channel is individually programmable for Enable/Disable, 1553B or 1553A, Direct or Transformer coupled and Response-Time time-out. Data acquired by the BIM-553-1 card is transported to the Overhead card memory via a customized high-speed CompactPCI® bus where data can be stored on a data recorder. The card includes a composite PCM output per IRIG-106 chapter 8 data format. The chapter 8 data utilizes an external IRIG DC time input. Cherry picked data (selected data) is executed under CAIS bus control for transmission to a safety of flight. The BIM-553-1 card occupies one I/O slot in the host chassis.

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BIM-553-1 Datasheet

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