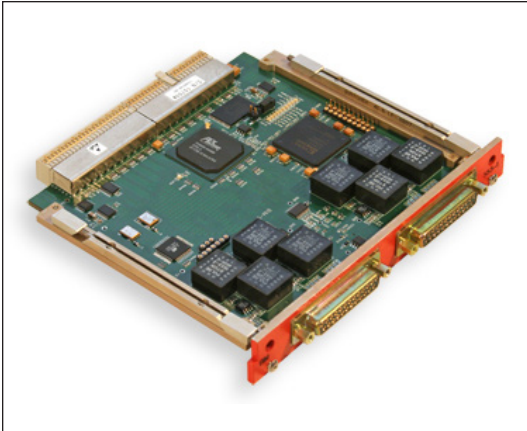


Eight Channel MIL-STD-1553 Bus Monitor Interface Card



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
 - Timestamp 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 (Microsoft Windows application software)

Applications

- 1553 avionics bus monitoring
- Flight test data recording
- Flight test instrumentation
- Lab test

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.

Revision 05/11/2015

BIM-553-1 Datasheet

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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