

Four Channel MIL-STD-1553 Bus Monitor Interface Card



Applications

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

Features

- For use in TTC's AIM and HS-AVDAU products
- Four (4) independent 1553 bus monitor channels
- Each 1553 bus monitor channel supports:
 - Dual redundancy
 - Direct or transformer bus coupling
 - 1553 A/B and MACAIR
 - Timestamp per IRIG Chapter 10
 - 100% data recording
- Interfaces to customized 66Mhz- 64bit CompactPCI® bus interface
- Multiple BIM-553Q can operate in a single chassis

Description

The BIM-553Q is a 4-Channel 1553 bus monitor card for use in TTC's Airborne Instrumentation Multiplexer (AIM) and High-Speed Avionics Data Acquisition Unit (HS-AVDAU) products. The BIM-553Q card has four 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-553Q card is transported to the overhead card memory via a customized high-speed CompactPCI® bus where data can be stored on a data recorder. Cherry picked data (selected data) is executed under CAIS bus control for transmission of safety of flight. One or more BIM-553Q cards can reside in a single AIM or HS-AVDAU chassis.

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BIM-553Q Datasheet

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