

IEEE 1394 Bus Monitor Module



Applications

- CAIS applications
- Distributed systems
- IEEE 1394 bus monitor
- Data selection from IEEE 1394 ASM packets

Features

- For use in TTC's MEDAU/MCDAU/MWDAU/MnACQ-2000 product families
- IEEE 1394b bus monitor module
- FireWire interface capable of up to 400 Mbps bitrate
- Adheres to IEEE 1394b standards (w/custom ruggedized connectors)
- Full-speed operation with high-speed FireWire cable lengths up to 40 feet
- Supports selected data for insertion into Class 1 PCM
- Transformer coupled to IEEE 1394 bus
- Supports data timestamp to 1 microsecond resolution
- 64 Selectable Channels based on channel number, ASM Message ID, and Sub Label
- Captures Isochronous and Asynchronous Data Stream Packets

Description

The MBIM-394 module fulfills the role of providing an IEEE 1394b bus monitor for use in TTC's MEDAU/MCDAU/MWDAU/MnACQ-2000 product families. The MBIM-394 is a programmable bus monitor, extracting ASM packets from the FireWire bus for insertion into the PCM under format control. Packets are timestamped per IRIG 106-02 chapter 4. The MBIM-394 includes an IEEE 1394b compliant interface capable of data rates of up to 400 Mbps. The bus is accessible at the MBIM-394 faceplate via an MDM 9-pin receptacle. The MBIM-394 acts as a IEEE 1394 Leaf and monitors the bus only once identified. Up to 64 channels of isochronous or asynchronous data stream packets can be captured. The 64 channels can be filtered by the IEEE1394 destination channel, Anonymous Subscriber Message (ASM) ID, and/or a Sub 32-bit Label. Entire packets are pre-buffered for coherency.

Revision 09/28/2015

MBIM-394-1 Datasheet

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Approved for Public Release 16-S-0235



CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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