

400Mbps IEEE 1394b Bus Monitor Card

No Photo Available

Applications

- High-speed avionics data acquisition
- Flight test data recording
- Flight test instrumentation

Features

- For use in TTC'S CDAU/EDAU products
- IEEE 1394b bus monitor card
- FireWire interface capable of up to 400 Mbps bitrate
- Interface includes auto detection rate for 100 Mbps, 200 Mbps and 400 Mbps
- FireWire link controller is OHCI 1.1 compliant
- FireWire interface is transformer coupled to the line
- Full-speed operation with high-speed FireWire cable lengths up to 40 ft
- Supports selected data for insertion into Class 1 PCM
- Supports data timestamp to 1 microsecond resolution
- Multiple BIM-394L cards can operate simultaneously in a single EDAU/CDAU chassis

Description

The BIM-394L card is designed to fulfill the role of providing an IEEE 1394b bus monitor for use in TTC's data acquisition unit (EDAU/CDAU) product. The BIM-394L is a programmable bus monitor, extracting selected data words from the FireWire bus for insertion into the PCM under format control. Selected data is timestamped per IRIG 106-02 chapter 4.

The BIM-394L includes an IEEE 1394b compliant interface capable of data rates of up to 400 Mbps. The bus is accessible at the BIM-394L faceplate via a D-subminiature 9-pin receptacle. The 1394b interface port provides LEAF functionality. Data acquired by the BIM-394L card is transported by the on-board processor to the local memory. One or more BIM-394L cards can simultaneously reside in the EDAU/CDAU chassis.

Revision 06/18/2010

BIM-394L Datasheet

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Teletronics Technology Corporation
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com