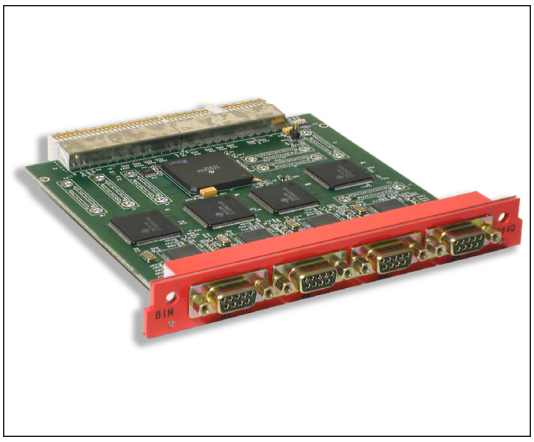
TELETRONICS TECHNOLOGY CORPORATION

BIM-394Q Datasheet

4-Channel 400Mbps IEEE 1394b Interface Card



Applications

- High-Speed Avionics Data Acquisition
- Flight Test Data Recording
- Flight Test Instrumentation

Features

- For use in TTC'S AIM and HS-AVDAU Products
- Four Independent IEEE 1394b (FireWire) Interfaces
- Each Interface Capable of 400 Mbps Bitrate
- Each Interface Provided on a Separate D-Subminiature 9-Pin Connector
- Adheres to IEEE 1394b Standards (w/custom ruggedized connectors)
- Interfaces to Customized 66Mhz- 64bit CompactPCI® Bus Interface
- FireWire Link Controllers are OHCI 1.1 Compliant
- FireWire Interfaces Transformer Coupled to Line
- Full-Speed Operation with High-Speed FireWire Cable Lengths up to 40 ft.
- Multiple BIM-394Q Cards can Operate Simultaneously in a Single Chassis
- 3.3 VDC operation

Description

The BIM-394Q board is designed to fulfill the role of providing a Quad IEEE 1394b interface card for use in TTC's High-Speed Avionics Data Acquisition Unit (HSAVDAU) product. The BIM-394Q can also operate in the TTC Airborne Instrumentation Multiplexer (AIM). The BIM-394Q card provides four independent IEEE 1394b compliant interfaces each capable of data rates up to 400 Mbps. The four 1394b interfaces are accessible at the BIM-394Q faceplate via four identical D-Subminiature 9-pin receptacles. Each connector corresponds to a single 1394b interface. The 1394b interface ports provide LEAF functionality. Data acquired by the BIM-394Q card is transported to the Overhead card memory via a customized high-speed CompactPCI® bus where the data can then be cherry picked or stored on a data recorder. One or more BIM-394Q boards can simultaneously reside in the HSAVDAU chassis.

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AS9100 ISO 9001 KEMA CERTIFICATE

CAIS Compatible

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