- Mini PCI Type IIIB - 1553 Controller -

Features

• Controller of dual redundant (A/B channel) 1553 communications
• 32-Bit/33MHz PCI Interface
• DDC Chip BU-65864
• Programmable bus controller, remote terminal, or monitor terminal modes
• Multiprotocol Support of MIL-STD01553A/B Notice 2 and STANAG 3838
• +3.3V Operation and Logic
• Long or short stub support
• Low power consumption
• On-chip transceivers
• Selectable 10,12,16 or 20 MHz Systems Clocks

Block Diagram Overview

The ALPHI MPCI-1553-DDC uses the BU-65864 communication device as its 1553 bus controller, or remote terminal, or monitor terminal. A single controller has two redundant channels and built in transceivers. The controller has internal transceivers for both channel A and B. The Mini PCI board has on-board transformers for both channels. The board format is a Mini PCI board layout.

Available Software Drivers:

• C library dll’s
• Linux drivers
• Window XP drivers
• VxWorks drivers

Applications:

This is a perfect solution for a wide array of 1553 communication applications such as:
• Industrial and Military
• Test equipment supporting evaluation, simulation
• Monitoring, and analysis,
• Operational equipment such as avionics, space Satellite systems, aircraft onboard systems,
• Commercial systems
• Many others

Operating Environment:

• Operating temperature
  Commercial: 0 to +55 ºC
  Optional: -25 ºC to +80 ºC
• Non-operating: -40 ºC to +85 ºC
• Airflow requirement – 5 CFM

Mechanical Environment:

• Size – Mini PCI Type III Module
  44.6mm x 59.8mm
• Power – T.B.D.
• Front panel I/O

Ordering Information

MPCI-1553-DDC - Mini PCI Type IIIB - 1553 Controller with DDC chip BU 65864

option I same as above with -20°C to +85°C temperature rating

Optional Accessories