www.alphitech.com

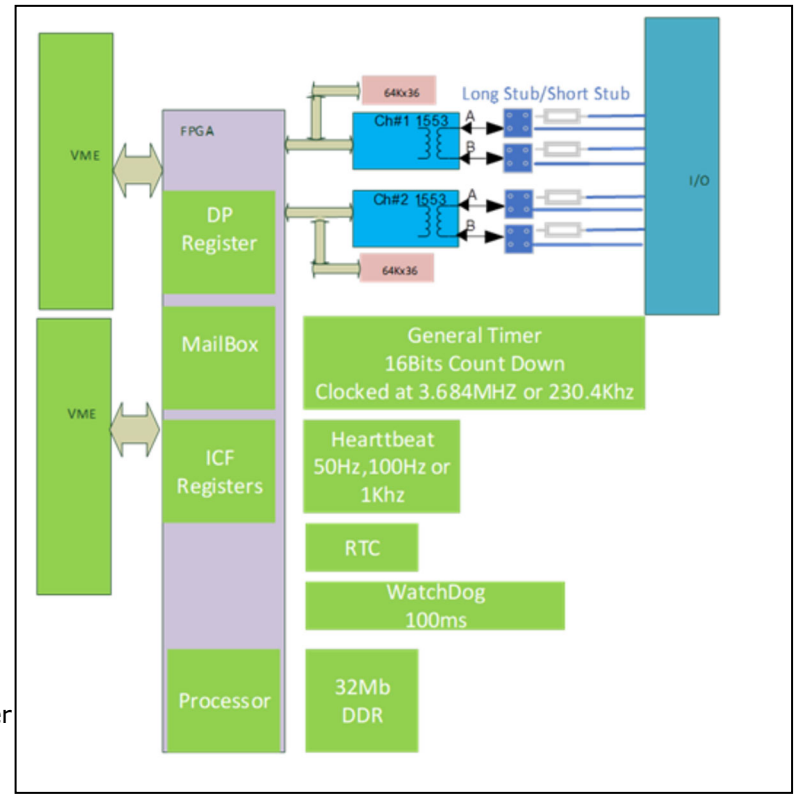
VME-1553-2-DDC

VME6U - Module

Two Channel Dual Redundant 1553 Controller, BC,RT,BM,MRT

Features

- Two dual redundant MIL-STD-1553 controllers (A/B channels)
- Multiprotocol support: MIL-STD-1553A/B STANAG-3838 and MIL-STD-1760
- 2MB RAM per channel
- Programmable mode: Bus Controller, Remote Terminal with concurrent Bus Monitor
- IRIG-106 Chapter 10 Monitor
- Emulates up to 31 RT addresses simultaneously
- Filter based on RT address, T/R bit, sub-address
- Transformer coupled
- IRIG-B digital input
- Rear I/O Interface



VME-1553-2-DDC Block Diagram

Overview:

The VME-1553-2-DDC uses a DDC® Total-ACE® communication device as its 1553 bus controller, or as a remote terminal with concurrent bus monitor terminal. Dual controller has a dual redundant channel with built in transceivers and transformer. The controller has the capability to emulate up to 31 RT addresses simultaneously.
The VME-1553-2-DDC in RT mode can filter on RT address, T/R, sub-address. The board is provided in extended temperature range.

VME INTERFACE:

- A32/A24/A16 :D16/D08(E0)
- R/M/W Cycle
- Interrupt : 1-7 software programable
- 6U 233 X 160mm

I/O Connection:

- Front Panel Triax connectors
- Rear I/O connection
- IRIG-B Digital Input

Software Support

- C library dll's
- Linux® drivers
- Windows® drivers
- VxWorks® drivers

Mechanical: Environmental

- Size: Single wide VME 6.299" x 9.387"
- Power: 1.5 watt
- Front panel I/O and
- Vibration: 0.5G RMS 20-2000 Hz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: tbd
- MTBF: >250000 hours

Ordering Information

Part Number :VME-1553-2-DDC (2) MIL-1553, BC/RT/M,DDC TotalACE

Optional Accessories

Part Number :EngKit-1553-2 4 T's, 4 Terminators, 4 1M cables

Alphi Technology Corporation,1898 Southern Avenue, Tempe, Arizona 85282
Telephone: 480 838 2428 Fax: 480 838 4477
Contact Email: sales@alphitech.com Website: www.alphitech.com