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ALPHI TECHNOLOGY CORPORATION

PCI-1553-PLX-BCRTM

PCI Module

Summary

- MIL-STD-1553
- Options:
  0 to +70 degrees
  -25 to +80 degrees
  Conformal coating
- 128 Kbyte SRAM
- BC / RT / M modes
- Separate logic for the PCI interface
- VIO 3.3 & 5.0 volt
- Dual Redundant
  Channel (A)
  Channel (B)
- Internal external CLK
- 78 ohm X-formers
- Long / short stub
- Low power
- LED Status
- Available Software
  - 'C' libs
  - Windows
  - Linux
  - VxWorks
- 33 Mhz PMI clock
- PICMG compliant

PCI MIL-STD-1553 BC/RT/MT

Dual Redundant UTMC BCRTM Controller



PCI-1553-PLX-BCRTM

Features

- UTMC BCRTM controller
- 128Kbytes Sram
- On-chip Transceivers
- On-board Transformers
- Long stub / Short stub

Memory

- 128 Kbyte external SRAM

I/O

- Dual 1553 bus levels
- TTL (5v) clock

Programmable via

- PCI Bus

PCI interface

- PLX 9080
- 33 Mhz clock
- 5.0 & 3.3 VIO support
- 16 bit address / data

Operating: Environmental

- Operating temperature
  Commercial: 0 to +55 °C
  Optional: -25°C to +80°C
- Non-operating: -40°C to 85 °C
- Airflow requirement: .5 CFM
- Humidity: 5 to 90% (non-cond.)
- Altitude: 0 to 10'000 ft

Mechanical: Environmental

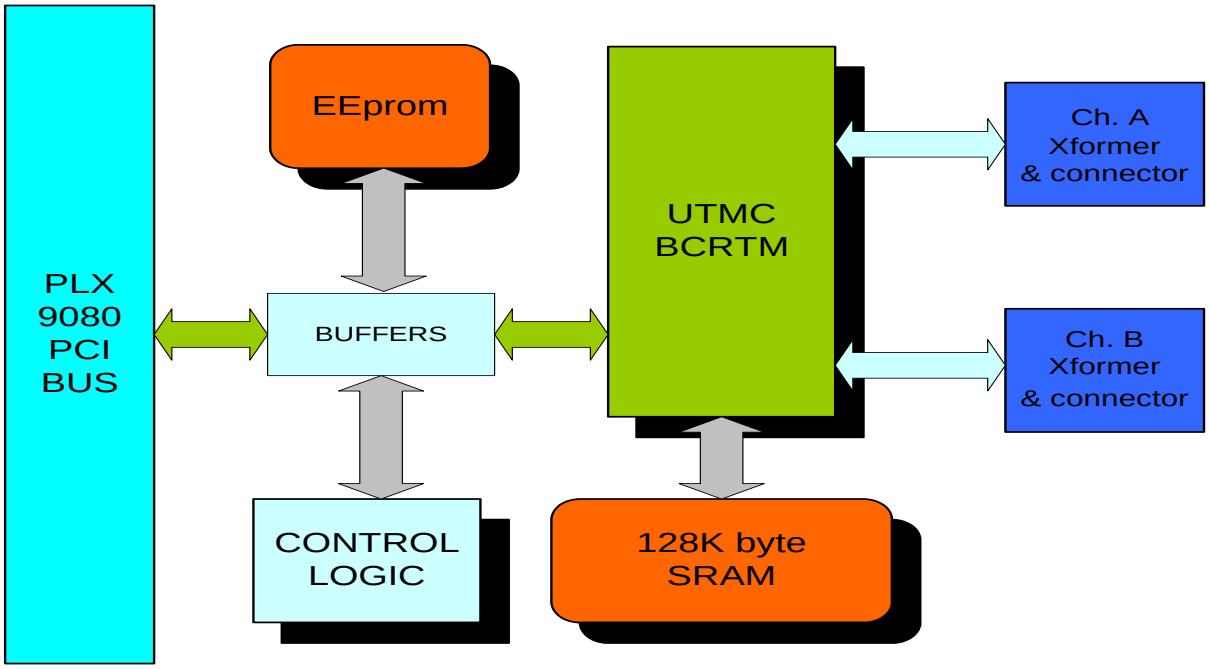
- Size: Half PCI

Power: 1.5 watt

- Front panel I/O
- Vibration: 0.5G RMS
  20-2000 Hz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: tbd
- MTBF: >150000 hours

PCI-1553-PLX-BCRTM

PCI Module



Functional Block Diagram

Ordering Information

Part Number :	PCI-1553-PLX-bcrtm	MIL-1553, BC/RT/M, PCI module
Part Number :	PCI-1553-PLX-bcrtm-I	same as above with -20 to +85 temerature rating

Optional Accessories

Part Number :	EngKit-1553	2 T's, 2 Terminators, 2 1 meter cables
Part Number :	CBL-1553-1	Standard-standard 2 meter 1553 cable
Part Number :	CBL-1553-2	Standard-mini 2 meter 1553 cable
Part Number :	CBL-1553-3	Mini-mini 2 meter 1553 cable

807-11-000-4100

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