

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

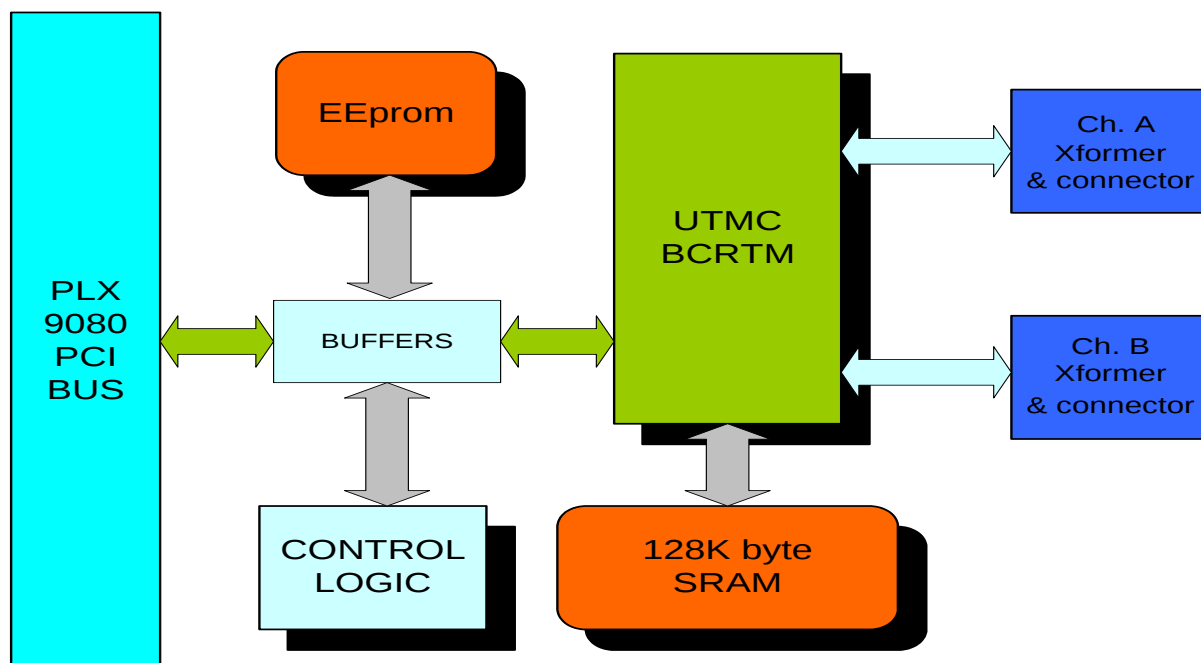
- PLX 9080
- 33 Mhz clock
- 5.0 & 3.3 VIO support
- 16 bit address / data

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



Functional Block Diagram

Ordering Information

Part Number : PCI-1553-PLX-bcrtm
 Part Number : PCI-1553-PLX-bcrtm-I

MIL-1553, BC/RT/M, PCI module
 same as above with -20 to +85 temerature rating

Optional Accessories

Part Number : EngKit-1553
 Part Number : CBL-1553-1
 Part Number : CBL-1553-2
 Part Number : CBL-1553-3

2 T's, 2 Terminators, 2 1 meter cables
 Standard-standard 2 meter 1553 cable
 Standard-mini 2 meter 1553 cable
 Mini-mini 2 meter 1553 cable

807-11-000-4100

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