

Summary

- MIL-STD-1553B
- optional IRIG-B
- 1 Lane PClexpress
- Options:
0 to +70 degrees
-40 to +85 degrees
Conformal coating
- 128 Kbyte SRAM
Per Channel
- BC / RT / M modes
- Separate logic for the
PCl interface
- (4) Dual Redundant
Channel 1 (A+B)
Channel 2 (A+B)
Channel 3 (A+B)
Channel 4 (A+B)
- Selectable Internal /
external CLK
- 78 ohm X-formers
- Long / short stub
- 5.0v or 3.3v VIO
- Low power
- LED Status
- Available Software
 - 'C' libs
 - Windows
 - Linux
 - VxWorks



QUAD UTM C 1553 SUMMIT CONTROLLER BUS CONTROLLER, REMOTE TERMINAL, BUS MONITOR MODES



PICTURE SHOWN PCIE-1553-4

Features

- 1 to 4 UTM C SUMMIT
- UT69151DX-GPC
- BC / RT / BM
- On-chip Transceivers
- On-board Transformers
- Long stub / Short stub

Memory

- 1 to 4 banks 128Kbytes Sram

Programmable via

- PClexpress Bus

PCl interface

- Local Bus Clock rates at 66MHz
- Compliant PCl Specification, r1.0a
- PCIMG 1.x
- Direct slave data transfers
- 2 DMA Channels

- 1553 bus levels
- TTL (5v) clock
- Front panel or rear I/O

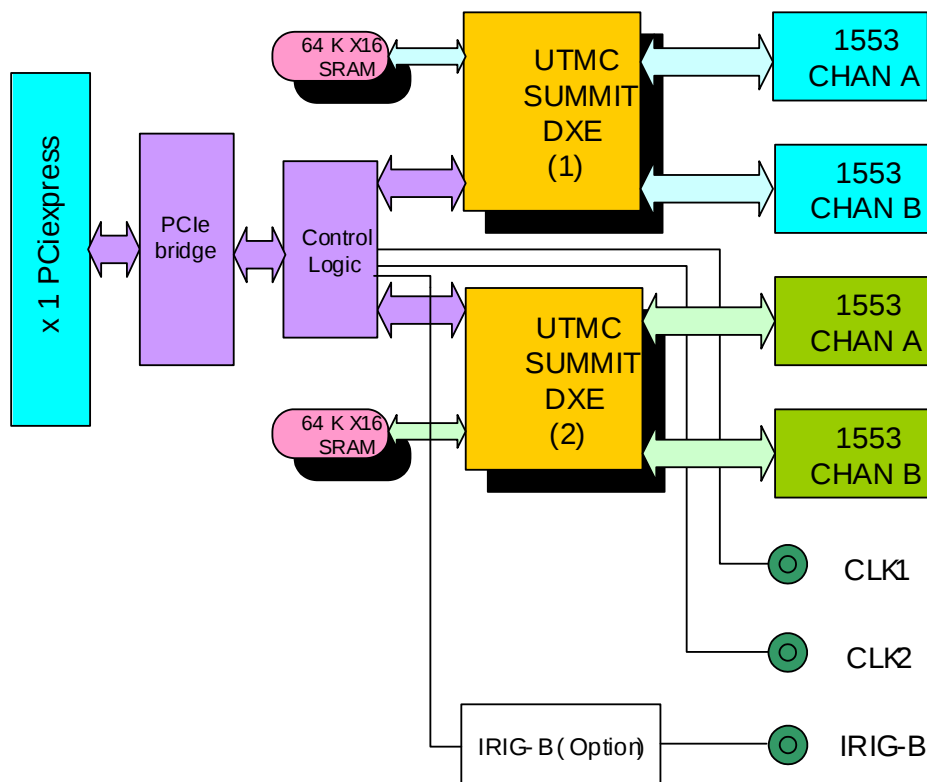
Operating: Environmental

- Operating temperature
Commercial: 0 to +70 °C
Optional: -40°C to +80°C
- Airflow requirement: .5 CFM
- Humidity: 5 to 90% (non-cond.)
- Altitude: 0 to 20'000 ft

Mechanical: Environmental

- Size: Low Profile PCl
2.5" x 6.5"
- 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: >250000 hours

I/O



Functional Block Diagram

Part Number : PCle-1553-x-
 X 1 to 4 Channels
 C - 0°C to +70 °C Temperature rating
 I - -40°C to +85 °C Temperature rating

Ordering Information

(1) MIL-1553, BC/RT/M, UTMC SUMMIT, No IRIG-B

Optional Accessories

Part Number : EngKit-1553-micro 2 T's, 2 Terminators, 1 16 inch cables
Part Number : CBL-1553-micro Standard-Standard 16 inch 1553 cable

Alphi Technology Corporation

1898 E. Southern Ave.
 Tempe, Arizona 85282, USA
 Tel: (480) 838 2428
 Fax: (480) 838 4477

823-01-000-4100

For ordering information: sales@alphitech.com Please visit our web site at www.alphitech.com

Products mentioned are trademarks or registered trademarks of their respective holders. Alphi Technology believes this information is accurate as of its publication date and is not responsible for any inadvertent errors. The information contained herein is subject to change without notice. Copyright © 2005 Alphi Technology Corp. document number: 823-0-001-4100 rev.q