

## Summary

- MIL-STD-1553B
- optional IRIG-B
- 1 Lane PCiexpress
- Options:  
 0 to +70 degrees  
 -40 to +85 degrees  
 Conformal coating
- 128 Kbyte SRAM  
 Per Channel
- BC / RT / M modes
- Separate logic for the  
 PCIe interface
- (2) Dual Redundant  
 Channel 1 (A+B)  
 Channel 2 (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



## DUAL UTMC 1553 SUMMIT CONTROLLER BUS CONTROLLER, REMOTE TERMINAL, BUS MONITOR MODES



PICTURE SHOWN XMC-1553-2

### Features

- 1 or 2 UTMC SUMMIT
- UT69151DX-GPC
- BC / RT / BM
- On-chip Transceivers
- On-board Transformers
- Long stub / Short stub

### Memory

- 1 or 2 banks 128Kbytes Sram

### Programmable via

- PCiexpress Bus

### PCIe interface

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

### I/O

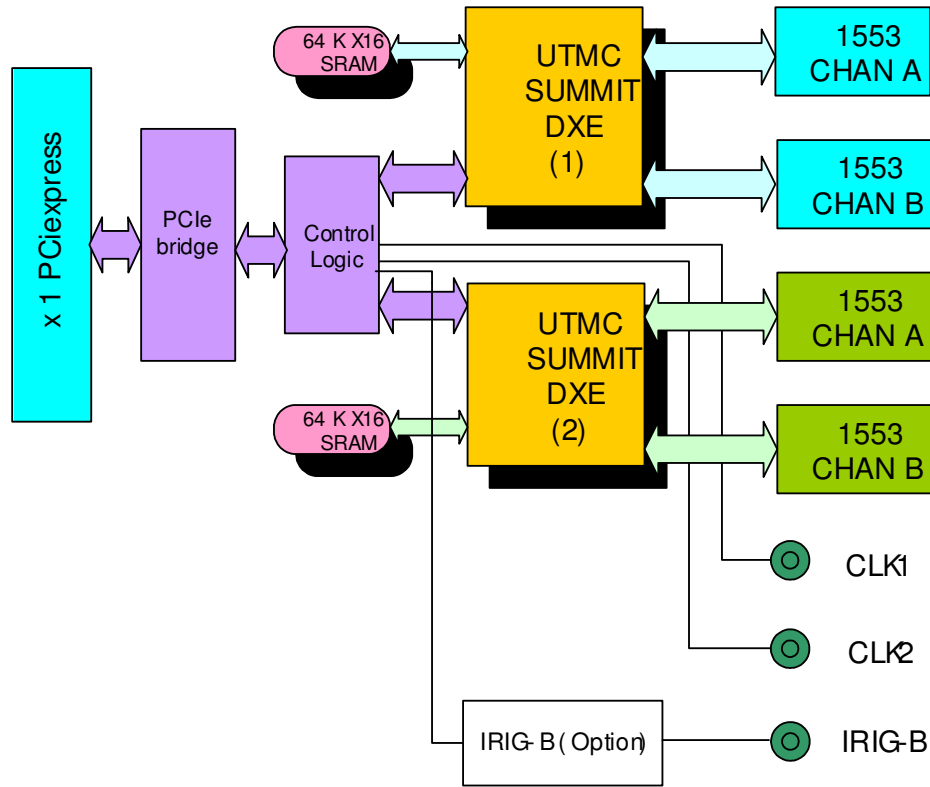
- 1553 bus levels
- TTL (5v) clock
- Front panel or rear I/O

### 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 PCIe  
 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, 1/2 sine
- Weight: tbd
- MTBF: >250000 hours



Functional Block Diagram

Part Number : PCIe-1553-1-	<b>Ordering Information</b>
Part Number : PCIe-1553-2-	(1) MIL-1553, BC/RT/M, UTMC SUMMIT, No IRIG-B
C -	(2) MIL-1553, BC/RT/M, UTMC SUMMIT, No IRIG-B
I -	0°C to +70 °C Temperature rating
	-40°C to +85 °C Temperature rating
Part Number : EngKit-1553-micro	<b>Optional Accessories</b>
Part Number : CBL-1553-micro	2 T's, 2 Terminators, 1 16 inch cables
	Standard-Standard 16 inch 1553 cable

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