

Summary

MIL-STD-1553

- Dual Redundant Channel 1 (A+B)
- 128 Kbyte SRAM
- Programmable BC / RT / BM modes
- 78 ohm X-formers
- Long / short stub
- Selectable Internal / external CLK

ARINC-429 Option:

- 2 Receive and 1 transmit channel
- Label matching for receiver channel
- One 64Kword SRAMs buffer for storing data
- Software selected data rate of 12.5 kbits/second or 100 kbits/second with auto slew rate adjustment

DIGITAL I/O

- 8 Bits Digital I/O Bus
 - 4 Inputs & 4 Outputs
 - 1 PPS Input

SERIAL PORTS Option:

- Programmable synchronous and isosynchronous data rates
- Asynchronous capabilities 5, 6, 7, or 8 bits/character
- Programmable RS-232/422/485 Mode

Options:

- 0 to +70 degrees
- -40 to +85 degrees
- Conformal coating
- 33/66Mhz PMC clock
- 5.0v or 3.3v VIO
- Low power
- LED Status
- Available Software
 - 'C' libs
 - Windows
 - Linux
 - VxWorks
- PICMG compliant



DUAL UTMC 1553 SUMMIT CONTROLLER:BC,RT&BM ARINC-429 1 TX & 2 RX 2 CHANNELS RS-232/422/485 8 BITS DIGITAL I/O AND 1PPS INPUT



PMC-1553-PLX-2 (SHOWING)

MIL-STD-553A/B

- Dual Channel Aeroflex SUMMIT UT69151DX
- Programmable BC / RT / BM
- On Board Transformers and Transceivers
- Long stub / Short stub
- 128Kbytes Sram Per Channel

ARINC-429

- 2 Receives and 1 Transmit
- Label matching for receiver channels
- One 64Kword SRAMs buffer for storing data
- Software selected data rate of 12.5/100kbits/s with auto slew rate adjustment
- Programmable word length selection, with the parity bit generated automatically
- Burst and Continuous Mode for transmit data at the rate of 100 to 1200msec

8 Bits Digital I/O

- 4 Inputs
- 4 Outputs
- 1PPS Input for GPS Signal

Serial Ports Sync/Async

- 2 Channel Full duplex Sync and Async serial ports
- Programmable Mode RS-232 RS-422 And RS-485
- Data rate up to: 115,000 bps in asynchronous mode, 2 Mbps in synchronous mode.

PMC interface

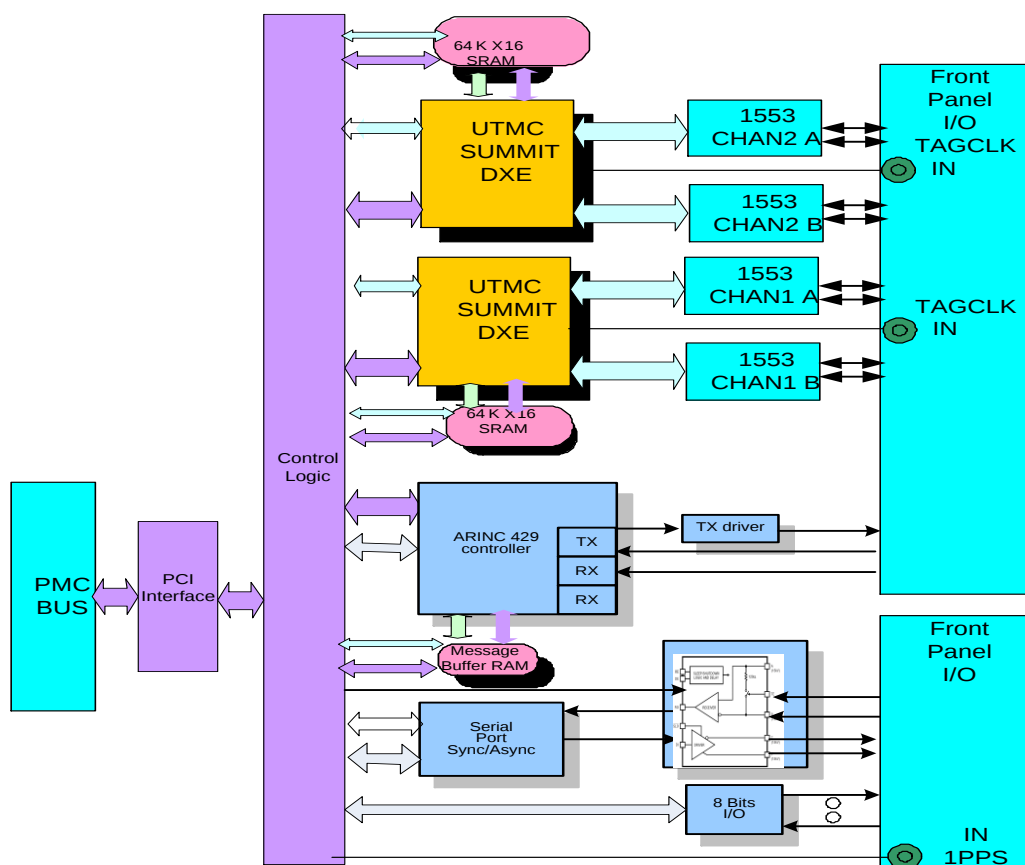
- VIO 3.3 & 5.0 volt
- 33/66 Mhz
- 32 bit Addr. Data
- Interrupts
- DMA

I/O

- 1553 bus levels
- TTL (5v) clock
- RS-232 RS-422 And RS-485
- Front panel or rear I/O Option

Operating: Environmental

- Operating temperature
 - Commercial: 0 to +70 °C
 - Optional: -40°C to +85°C
- Size: Single wide PMC
 - 2.92" x 5.87"
- Airflow requirement: .5 CFM
- Humidity: 5 to 90% (non-cond.)
- Altitude: 0 to 20,000 ft



Functional Block Diagram

Ordering Information

Part Number :	PMC-1553IO -11	(1) MIL-1553, BC/RT/BM + 8 Bits Digital I/O
	PMC-1553IO -21	(1) MIL-1553 + 8 Bits Digital I/O + 2 Serial Ports
	PMC-1553IO -31	(1) MIL-1553 + 8 Bits Digital I/O + ARINC-429+ 2 Serial Ports
	PMC-1553IO -12	(2) MIL-1553, BC/RT/BM + 8 Bits Digital I/O
	PMC-1553IO -22	(2) MIL-1553 + 8 Bits Digital I/O + 2 Serial Ports
	PMC-1553IO -32	(2) MIL-1553 + 8 Bits Digital I/O + ARINC-429+ 2 Serial Ports
	Other Configuration available check with Factory	
Part Number :	PMC-1553IO-(x)-I	Same as above with -40°C to +85 °C Temperature rating
Part Number :	PMC-1553IO-(x)-y-FP	Same as above with Front Panel Access Only
Part Number :	PMC-1553IO-(x)-y-RP	Same as above with Rear Panel Access Only

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

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