

Summary

The new CPCI-6713B-4IP module provides a high performance flexible I/O scheme that supports industry standard Industry Packs™. For application requiring low cost, high density I/O or unique combinations, the CPCI-6713B-4IP is the perfect solution. For instance it can accommodate up to 192 A/D inputs. The Local DSP can be used to simply move data to and from the CPCI bus or provide pre processing functions such as local PID controls, FFT's, digital filtering, etc. Custom application software can be downloaded to the DSP via the CompactPCI bus. A very low cost, non-intelligent version is also available, CPCI-4SIP.

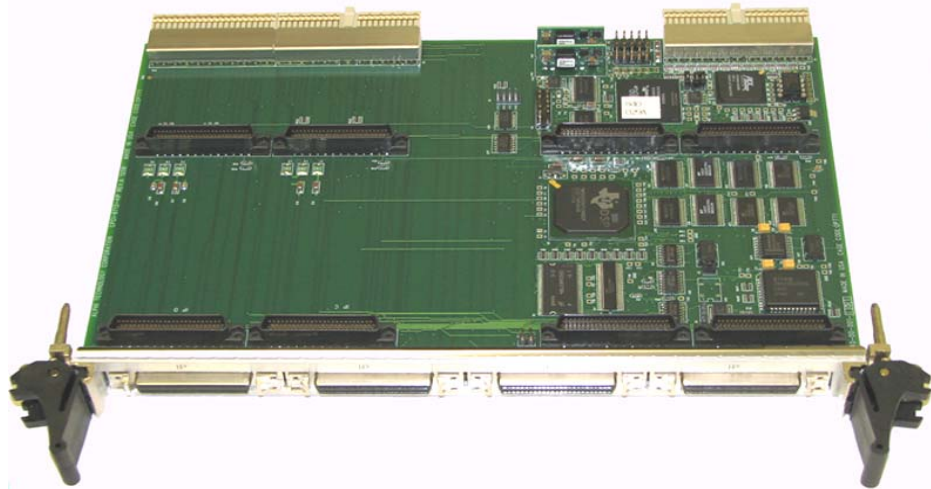
The TMS320C67x DSP generation is supported by the TI eXpressDSP™ set of industry development tools, including a highly optimizing C/C++ Compiler, the Code Composer Studio™ Integrated Development Environment (IDE), JTAG-based emulation, real-time debugging, and the DSP/BIOS™ kernel.

Available Drivers :

- Labview
- Linux
- Window XP



CPCI 320C6713B DSP QUAD INDUSTRY PACK CARRIER



CPCI-6713-4IP

Board Features:

Bus Interface 3.3 / 5 Volt via PLX 9056 33/66MHz
 High Performance Floating-Point Digital Signal Processor (DSP):
 TMS320C6713B up to 300 MHz system clock.
 Up to 32Mbytes of SDRAM
 4.0 Mbit flash memory for bootstrap program

DSP Specifications:

TMS320C6713B™ DSP @ 300 MHz
 64K-Byte L2 Unified Cache/Mapped RAM, and 192K-Byte Additional L2 Mapped RAM
 Dual 32 bit general purpose timers
 16 channel EDMA 'Enhanced DMA'
 16-bit Host-Port Interface (HPI)

Industry Pack Specifications:

Quad Industry Pack Sites
 8/32 MHz operation

CPCI Bus:

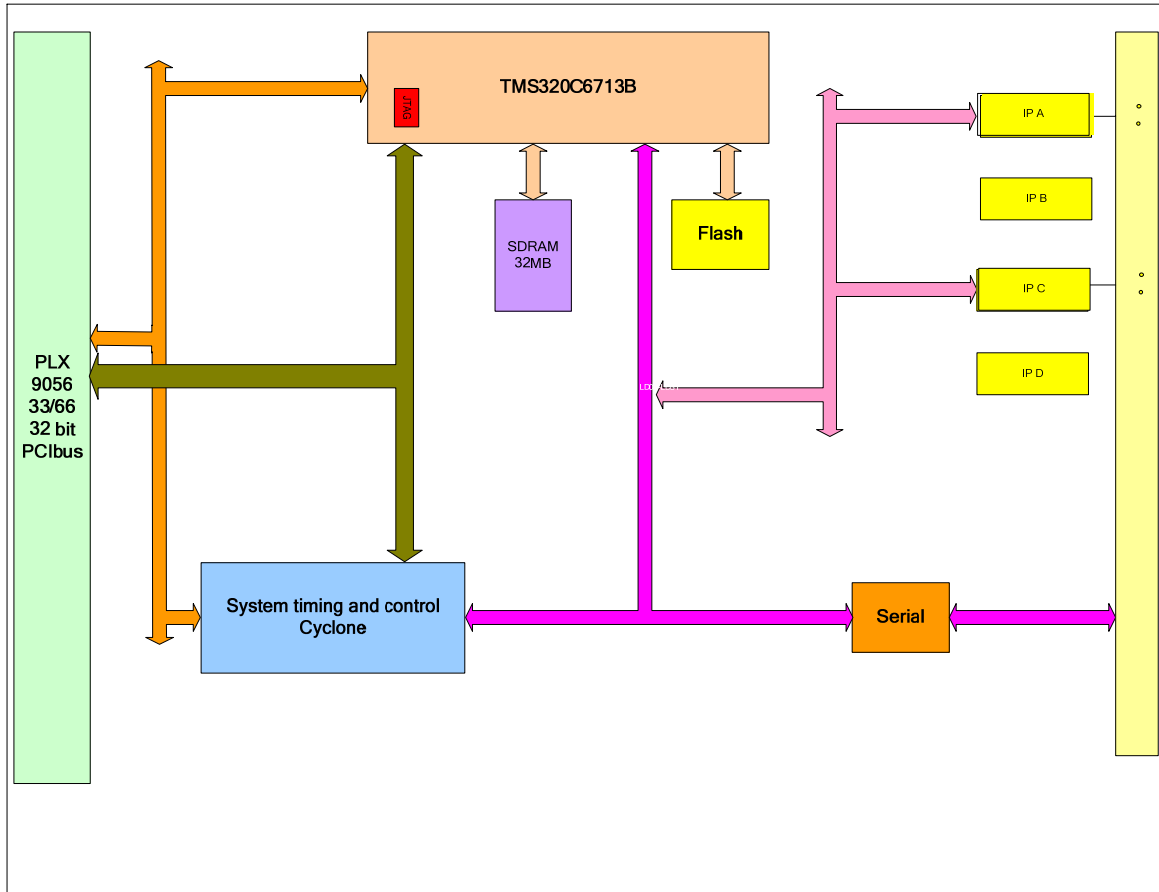
CPCI Bus Interface 3.3 / 5 Volt
 PLX 9056 33/66MHz 32-bit, PCI r2.2 compliant
 3.3V I/O, 5V tolerant bus interfaces

Debug Port:

JTAG emulator port
 On board RS-232 header

I/O panel connectors:

Front Panel
 (4) X 50 pin HRS for I/O



Functional Block Diagram

Mechanical & Environmental

- Operating temperature 0 to +55 °C
- Airflow requirement: 10 CFM
- Humidity: 5 to 90% (non-cond.)
- Altitude: 0 to 10'000 ft
- Full size PCI card
- Front panel I/O
- Power: +5V – 182mA, +12V-0mA
- Vibration: 0.5G RMS 20-2KHz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: 2 lbs
- MTBF: >172000 hour

Ordering Information

CPCI-6713B-4 IP	6U Industry Pack Carrier with 320C6713 DSP
CBL-50-HRS	Cable
TB-50-HRS	Terminal Block

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