

Summary

- Cyclone II EP2C35, 672-fbga package
- Cyclone II FPGA allows a wide range of customization options.
- 4 Mbyte SRAM
- SRAM is dual ported
- Separate logic for the IP interface
- Reconfigurable I/O
- 64 LVTTTL I/O lines
- Each GPIO line has independent Interrupt Support programmable for Edge trigger
- User configurable IO by groups of 4, 2 pair
- On board Serial configuration device programmable via PMC bus or bit/byte blaster
- Local serial EPROM
- Internal / External clock
- PCI +3.3V/+5V Operation and Logic
- 32/64 Mhz PMC clock support
- Front panel I/O access
- Windows, Linux Drivers



USER RECONFIGURABLE ALTERA FPGA, 4MBYTE DUAL-PORTED SRAM, 64LV TTL



PMC-CYCLONE II-64LVTTL

Features

- User Programmable Altera Cyclone II FPGA 672 BGA: EP2C35, EP2C50, EP2C70,
- Stand alone possibility
- Single wide PMC Module
- 64 LVTTTL
- Optional User clock oscillator

Memory

- 4 Mbyte external SRAM
- Dual ported between the Altera and PMC bus with arbitration

I/O Level

- 64 I/O pins externally buffered LVTTTL
- Fully User programmable
- Direction programmed in Group of 4
- Change of state detection & interrupt: generated per Line on Positive or negative Edge
- Bit pattern recognition
- Direct readback of register
- Direct output control
- Pre-programmed output latch with output strobe

Cyclonell Programmable via

- Bit / Byte Blaster
- Serial EPROM
- PMC Bus

PMC interface

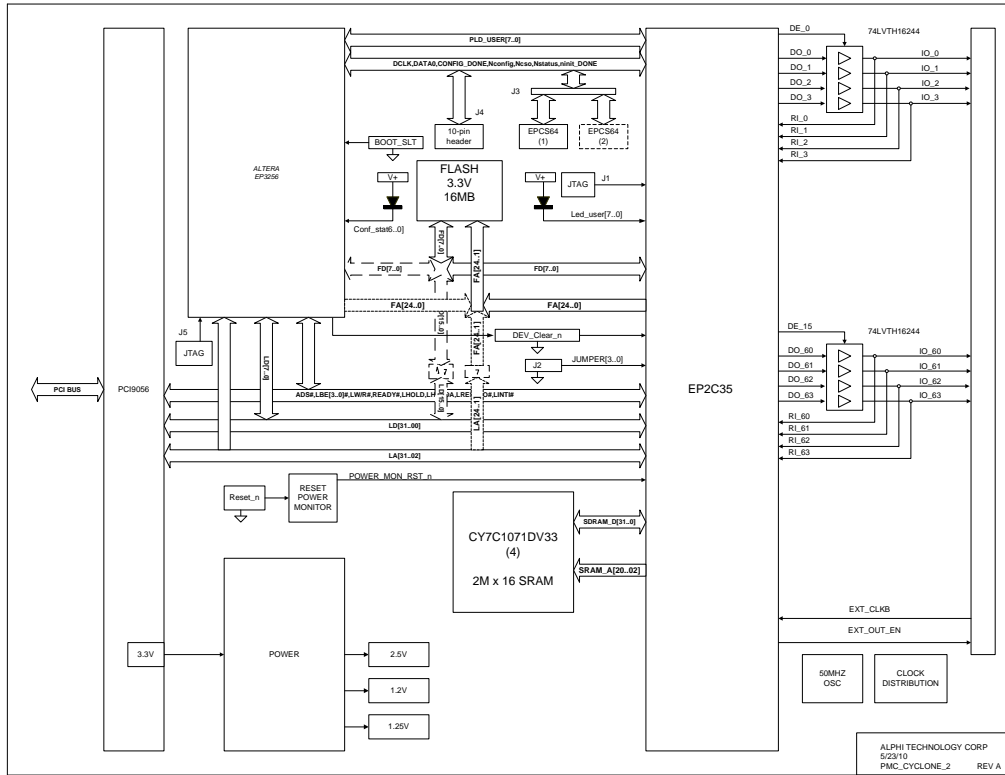
- PLX 9056- VIO 3.3/5.0 Volts
- 32 Bit, 33/66 MHz
- DMA for maximum throughput from the host

Operating: Environmental

- Operating temperature
 Commercial: 0 to +55 °C
 Optional: -40°C to +85°C
- Non-operating: -55°C to 95 °C
- Airflow requirement: .5 CFM
- Humidity: 5 to 90% (non-cond.)
- Altitude: 0 to 10'000 ft

Mechanical: Environmental

- Power: +5Volts :6µa
 +3.3Volts: 180ma
 +12/-12Volts: 0ma
- Vibration: 0.5G RMS
 20-2000 Hz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: 3 oz.
- MTBF: >250000 hours



Functional Block Diagram

Ordering Information

Part Number :	PMC-C35-64LVTTL	ALTERA EP2C35, 64LVTTL	PMC module
	PMC-C50-64LVTTL	ALTERA EP2C50, 64LVTTL	PMC module
	PMC-C70-64LVTTL	ALTERA EP2C70, 64LVTTL	PMC module
	PMC-Cxx-64LVTTL-I	Same as above with -40 to +85 C	

Optional Accessories

Part Number :	TB-68-SCSI	68 pin terminal block and 1meter SCSI cable
Part Number :	CBL-68-SCSI	68 pin, 1meter SCSI

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