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VMETRO Transtech

PMC-FPGA03/F Xilinx Virtex II Pro FPGA PMC



The PMC-FPGA03 is a Xilinx XC2VP20/30/50 Virtex-II Pro based FPGA PMC module, which interfaces directly to two banks of DDR SDRAM and three banks of QDR-II SRAM for high performance, low latency applications. Xilinx RocketIO channels are available at either the front panel or PMC connector as a build option. The PMC-FPGA03 communicates with a variety of Windows, VxWorks, and Linux host computers via an optimized 64-bit/66 MHz PCI bus interface. The module is available in air-cooled and conduction-cooled variants. Fiber-optic options are also available. Example VHDL code blocks are provided to show how the PMC-FPGA03 resources can be used, along with utilities for configuring Flash.

FEATURES:

- Xilinx Virtex-II Pro FPGA
- High-speed serial I/O (RocketIO)
- Parallel digital I/O
- Modular I/O system supporting standards such as LVDS and custom I/O
- 64-bit/66 MHz master/slave PCI interface
- Rugged, conduction-cooled build variants

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RSC #6401 @ www.mil-embedded.com/catalogrsc

Boards
FPGA/Reconfigurable computing

SBS Technologies

TS-CPCI-8001 – 6U CompactPCI-based FPGA processor board



The TS-6U CPCI-8001 is an advanced, CompactPCI-based FPGA processor solution targeted at military and commercial high-performance computing applications.

The two large FPGAs and high bandwidth connection make it ideal for software defined radio, radar, sonar, image, and video processing as well as other high-performance signal processing applications.

TS-6U CPCI-8001 is available with either Altera Stratix C7 or C5 speed grade FPGAs. The board is available in commercial grade and conduction cooled versions.

SBS provides an exclusive development kit bundle with the Celoxica handel-C language tools to support faster program deployment.

FEATURES:

- High-performance, FPGA-based computing platform for demanding signal and image processing applications
- Ideal for software defined radio, sonar, and other high-performance signal processing applications
- Dual Stratix EP1S80 FPGAs onboard
- Two PMC sites with 1 GBps high-speed data paths to each FPGA
- 8 GBps connection between FPGAs for a common processor fabric
- Windows XP/2000, Linux, and Integrity software support

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