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SMT335

C6201 DSP Module

Functional Block Diagram



Features

- Single width module
- 200MHz [C6201 Fixed Point DSP](#)
- 1600MIPS peak performance
- 16Mbyte high speed SDRAM
- 512Kbyte SBSRAM
- Two 200Mbytes/s SDB Interface ports
- Six Comm-ports up to 20Mbytes/s each.
- 512Kbytes FLASH ROM for configuration/booting
- JTAG Diagnostics Port
- TIM Global Connector
- TIM Standard compatible
- 12 months warranty

Benefits

- Simple implementation of multi-processor solutions
- Scalable system architecture
- Balanced Communications/processing resources
- Flexible interface strategies with range of I/O methods
- Large range of COTS peripheral items such as ADC, DAC, FPGA
- Compatible with C6701 variants

Applications

- Multiprocessor DSP systems
- Multi Channel Telecommunication systems
- Cellular Base Station Development
- Algorithm Prototyping
- Image Processing
- Military Signal processing

Software Support

- [3L Diamond RTOS Compiler](#)
- Sample Source Code

Ordering Information

Part Number

Description

SMT335 - C6201 DSP Module, 512KB SBSRAM, 16MB SDRAM, 200MHz, Virtex SDB Interface

[SMT510-SDBxx](#) - Sundance Digital Bus cable



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