Introducing the

TMS320C6211-DSK

Jump-Start your fixed-point, low-cost, high-performance development environment for

ONLY $195!

Order Entry in late August
‘C6000 Universal Platform provides Comprehensive Roadmap

- C6711 900 MFLOPS 0.18um
  - ‘C6711 DSK scheduled for 1H00
- C6701 1 GFLOPS 0.18um
- C6201B 1600 MIPS 0.18um
  - C6202 2000 MIPS 0.18um
  - ‘C6201B 2000 MIPS 0.18um
- C6203 2400 MIPS 0.15um
- C6202 2400 MIPS 0.15um
  - ‘C6211 1200 MIPS 0.18um
- C6211 1200 MIPS 0.18um
  - ‘C6211 DSK available Aug. ‘99
- C67x 3+ GFLOPS 0.15um
- C62x 5000+ MIPS 0.15um
  - ‘C62x Fixed-point <$10
  - ‘C67x Floating-point <$10

Fixed Point
Floating Point

‘C6000 Universal Platform provides Comprehensive Roadmap
‘C6211-DSP Starter Kit (DSK) - $195

Kit Contents

◆ Hardware
  ■ 150 MHz ‘C6211 DSP based board
  ■ AD535- 16-bit A/D Converter
  ■ External Memory
    ♦ 4M Bytes SDRAM
    ♦ 128K Bytes Flash ROM
  ■ Universal Power Supply (CE Compliant)
  ■ Parallel Port Cable

◆ Software
  ■ Code Generation Tools
    ♦ C Compiler, Assembler & Linker
  ■ Code Composer Debugger
  ■ Example Programs & S/W Utilities

◆ On-Line Documentation
  (shrink wrapped with CD ROM)
  ■ License Agreement
  ■ Installation instructions
1200 MIPS ‘C6211 DSK Board

- 4 MB SDRAM memory
- TMS320C6211 DSP
- 128 KBytes Flash
- User LEDs
- User DIP Switches
- Parallel Port Interface
- Power
- Power management Products
- Power LED
- JTAG Controller
- Reset Pushbutton
- SPKR & MIC Line-Level I/O
- JTAG Header
- 16-bit A/D Converter AD535
- EVM Compatible Daughtercard IF

The World Leader in DSP and Analog

Texas Instruments
‘C6211 DSK- CD ROM Contents

◆ Development Software
  ■ Code Composer Debugger
    ✷ Supports ‘C6211 emulation
    ✷ DSK Parallel Port driver
  ■ Code Generation Tools
    ✷ C Compiler, Assembler & Linker
      *(Limited size tools: Maximum program size [code + data] of 256K Bytes)*

◆ Application Software
  ■ Example Programs & S/W Utilities
    ✷ Power-on Self Test
    ✷ Flash Utility Program
    ✷ Board Confidence Test
    ✷ Sample Program(s)

◆ Other DSK CD Contents
  ■ DSK On-line Users Guide
  ■ ‘C6000 Platform Application notes
  ■ DSK resident Stand Alone diagnostics
  ■ DSK support Dynamic Link Library
  ■ ‘C6211 Device Data Sheet
  ■ ‘C6211 Getting Started White Paper
  ■ ‘C6000 Platform Product Bulletin
  ■ DSK On-line technical reference
‘C6211 DSK Lab Station in a flash!

- Connect the DSK to your PC
- Connect the power supply
- Install the debugger software (Code Composer)
- Set up the debugger environment and run confidence test
- Run sample programs and start writing code
Code Composer: Debug Interface

- Menu bar
- Project files
- Current program execution point
- Stdout window
- Data memory
- Break point
- Command window
‘C6000 EVM Tools Available Today

◆ Evaluation Module (EVM)
  ■ Device evaluation, benchmarking & system debug
    ( PCI Plug-in boards )
  ■ Available Today:
    ◆ ‘C62x / ‘C67x EVM Bundle - $ 1,995 / $ 2,495
      Part #’s : TMDS326006201 / TMDX326006701
      ➨ EVM + Code Composer Studio Compile Tools and
          Code Composer Studio EVM specific Debugger
    ◆ ‘C62x / ‘C67x EVM - $ 995 / $ 1,495
      Part #’s : TMDS3260A6201 / TMDX3260A6701
      ➨ PCI Board, Documentation, EVM Support SW and
          Code Composer Studio EVM specific Debugger
    ◆ ‘C62x Multi-channel EVM Bundle- $ 3,995
      Part # : TMDS3260M6201
      ➨ ‘C6201B PCI Board, Code Composer Studio Compile Tools and Code Composer
       Studio EVM specific Debugger, EVM host S/W: Configuration, Test & Comm.
       Example Programs, DSP S/W: McBSP, Codec & Board Example Programs.

http://www.ti.com/sc/docs/tools/dsp/c6000developmentboards.html
‘C6000 Free Applications Resources

◆ TMS320C6000 Platform Application Notes:
  http://wwwtest.itg.ti.com/sc/docs/apps/dsp/tms320c6000app.html

◆ TMS320C6000 Platform System Block Diagrams:
  http://wwwtest.itg.ti.com/sc/docs/apps/dsp/tms320c6000blk.html

◆ TMS320C62x Fixed-point Benchmarks:
  http://www.ti.com/sc/docs/products/dsp/c6000/62bench.htm

◆ TMS320C67x Floating-point Benchmarks:
  http://www.ti.com/sc/docs/products/dsp/c6000/67bench.htm
TMS320C6211 DSK Summary

◆ TMS320C6211 DSK for only $195 includes:
  ■ 150 MHz ‘C6211 DSP
  ■ AD535 16-bit A/D Converter
  ■ 4M Bytes SDRAM / 128K Bytes Flash External Memory
  ■ Code Composer Debugger and Code Generation Tools
  ■ CD ROM with Example Programs and S/W Utilities

◆ Order entry will open in Late August
◆ Easy to install and start writing code immediately
◆ Migration to ‘C6x EVM and Code Composer Studio is easy!
◆ ‘C6711 DSK release scheduled for 1H00

http://www.ti.com/sc/docs/tools/dsp/index.html

Current ORDERABLE PART#: TMDX320006211
Things to Remember

◆ You can jump-start your fixed-point, low-cost, high-performance development environment with a TMS320C6211 DSK for only $195

◆ Visit TI’s Development Tool Page at:
  http://www.ti.com/sc/docs/tools/dsp/index.html

◆ Check out the Product Expo Tomorrow night!
‘C67x - The BEST Long Term Investment for Floating Point DSP

◆ Code Compatible Roadmap to 3 GFLOPS and beyond
◆ Best Value
  ■ $0.03/MFLOPS Today
◆ Best in Class Tools
  ■ Industry Leading C Compiler
  ■ Code Composer Studio
◆ Compatible Fixed and Floating Point Architecture
◆ Broader Peripheral Roadmap
◆ Roadmap to $10