TMS320C6416 (1GHz) DSP Starter Kit (DSK)

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Hardware Features

- Texas Instruments TMS3206416 DSP **1GHz**.

- Embedded USB JTAG controller with plug and play, USB cable included

- TLV320AIC23 codec

- 2M x 64 on board SDRAM

- 512K bytes of on board Flash ROM

- 3 expansion connectors (Memory Interface, Peripheral Interface, and Host Port Interface)

- On board IEEE 1149.1 JTAG connection for optional emulator debug

- Four 3.5mm audio jacks (microphone, line-in, speaker, line-out)

- 4 user definable LEDs

- 4 position dip switch, user definable

- +5 Volt operation only, power supply included

- Size: 8.25" x 4.5" (210 x 115 mm)

- Compatible with Spectrum Digital's DSK Wire Wrap Prototype Card

DSK& I/O peripheral:

- **STC-6xEN** (12xADC, 8xDAC, 6xPWM, 6xEncoder, 16 DI, 16 DO)
- **STC-2AD2DA** (2xADC, 2xDAC, 16 DIO)
- **STC-ARM9** (ARM 9 CPU, Linux OS, 64Kx16 DPRAM, Ethernet, USB, RS-232)

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Software Features

- TMS320C6416 specific Code Composer Studio from Texas Instruments

- Test/sample code provided to reduce coding time

- Compatible with JTAG emulators from Spectrum Digital

- Compatible with Win 98 SE/2000/XP

What's Included

- TMS320C6416 (**1GHz**) DSK Board

- Code Composer Studio for C6416 DSK

- USB Cable

- AC Power Cord(s) and Power Supply

- Quick Start Guide

- Technical Reference (includes schematics)

- Customer Support Guide

Do You Need ?

- DSK Wire Wrap Prototype Card, # 701839

- Over 13 square inches of prototyping area

- Three expansion busses (External Memory Interface, External Peripheral Interface, Host Port Interface)

- Compatible with TI DSP Starter Kit (DSKs)

- Compatible with Spectrum Digital VC5416, VC5510, C6713, C6416 DSKs

- 16 user defined busses

- Prototype card with expansion connectors populated

- 9 and 25 pin male D-Connectors, not populated

Wire Wrap Prototype Module for DSKs