

TMS320F28335 eZdsp Starter Kit



Description

The F28335 eZdsp starter kit is a complete software development platform for the TMS320F2833x series of floating-point Digital Signal Controllers. The eZdsp kit includes an F28335 target board that features integrated JTAG emulation, 128Kx16 asynchronous SRAM, CAN 2.0 and RS-232 interfaces, and expansion headers that provide access to all F28335 I/O signals. Also included in the kit is the Code Composer Studio™ Integrated Development Environment, USB interface to the host PC, and a universal power supply. This single orderable part number supports all regions of the world.



Features

Hardware Features

- TMS320F28335 Floating-Point Digital Signal Controller
- 150 MHz operation
- 512 KB on-chip flash memory
- 68 KB on-chip RAM
- 12-bit ADC with 16 input channels
- 128k x 16 off-chip SRAM
- Clamshell socket for the F28335 DSC
- RS-232 interface with on-board transceiver and 9-pin DSUB connector
- CAN interface with on-board transceiver and 9-pin DSUB connector
- Multiple expansion connectors provide access to all F28335 I/O signals
- Embedded USB JTAG Controller
- Operates from a single 5V supply with provided AC adapter
- IEEE 1149.1 JTAG emulation connector

Software Features

- Code Composer Studio™ Integrated Development Environment for C2000 including C compiler, assembler, linker, real-time debug support, data visualization, a profiler and a flexible project manager.
- eZdsp diagnostic software, including test examples for UART, CAN, I2C, and memory
- Texas Instruments' Flash APIs to support the F28335
- Texas Instruments' F28335 header files and example software