OM13040

Keil MCB4357 Evaluation Board

Demo board description

The Keil MCB4357 Evaluation Board enables you to create and test working programs based on the LPC4300 family of Dual Core ARM Cortex™-M4/M0 devices. The MCB4357 Evaluation Board and Starter Kit includes the MDK-ARM Lite Edition Tools. These tools help you get started writing programs and testing the microcontroller and its capabilities. Sample applications that run on the MCB4357 evaluation board, and a Quickstart guide are included.

Features

204 MHz LPC4357 device with ARM Cortex-M4 processor and Cortex-M0 coprocessor (LBGA256)

136 KB On-Chip SRAM

1MB dual bank On-Chip Flash

On-Board Memory: 16MB NOR Flash, 4MB Quad-SPI Flash, 16 MB SDRAM, & 16KB EEPROM (I2C)

Color QVGA TFT LCD with touchscreen

10/100 Ethernet Port

High-speed USB 2.0 Host/Device/OTG interface (USB host + Micro USB Device/OTG connectors)

Full-speed USB 2.0 Host/Device interface (USB host + micro USB Device connectors)

CAN interfaces

Serial/UART Port

MicroSD Card Interface

4 user push-buttons + reset

Digital Temperature Sensor (I2C)

Analog Voltage Control for ACD Input

Audio CODEC with Line-In/Out and Microphone/headphone connector + Speaker

Debug Interface Connectors

20-pin JTAG (0.1 inch)

10-pin Cortex debug (0.05 inch)

20-pin Cortex debug + ETM Trace (0.05 inch connector)

Descriptive summary

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