



OM13040



Keil MCB4357 Evaluation Board

Overview

Documentation

Ordering

Products

Design support

Show all

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▶ All documents (0)

Quick ordering

OM13040,598

Region -- select your region --

Distributor In Stock

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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 (LPGA256)
- 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)



Board image Keil LPC4357 Eval Board (OM13040)

Descriptive summary

Keil MCB4357 Evaluation Board

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Documentation for this product

File name	Title	Type	Format	Date
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Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM13040	9352 982 12598	OM13040,598	Volume production	NA	MOUSER ELECTRONICS	10		12/11/2012	Buy
				NA	DIGI-KEY CORPORATION	6		12/11/2012	Buy

Products

Type number	Description	Status	Quick access
LPC4310FBD144	Dual-core Cortex-M4/M0, 168 kB SRAM, CAN, AES, SPIFI, SGPIO, SCT	Qualification	Download datasheet Order sample
LPC4310FET100	Dual-core Cortex-M4/M0, 168 kB SRAM, CAN, AES, SPIFI, SGPIO, SCT	Production	Download datasheet Order sample
LPC4320FBD100	Dual-core Cortex-M4/M0, 168 kB SRAM, HS USB with on-chip PHY, CAN, AES, SPIFI, SGPIO, SCT	Development	Download datasheet
LPC4320FBD144	Dual-core Cortex-M4/M0, 200 kB SRAM, HS USB with on-chip PHY, CAN, AES, SPIFI, SGPIO, SCT	Qualification	Download datasheet Order sample
LPC4320FET100	Dual-core Cortex-M4/M0, 200 kB SRAM, HS USB with on-chip PHY, CAN, AES, SPIFI, SGPIO, SCT	Production	Download datasheet Order sample
LPC4330FBD144	Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT	Qualification	Download datasheet Order sample
LPC4330FET100	Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT	Production	Download datasheet Order sample
LPC4330FET180	Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT	Development	Download datasheet
LPC4330FET256	Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SGPIO, SCT	Production	Download datasheet Order sample
LPC4333FBD144	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4333FET100	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4333FET180	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
		Qualification	

LPC4333FET256	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Qualification	Download datasheet Order sample
LPC4337FBD144	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4337FET100	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4337FET180	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4337FET256	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Qualification	Download datasheet Order sample
LPC4350FBD208	Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SGPIO, SCT	Development	Download datasheet
LPC4350FET180	Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SGPIO, SCT	Development	Download datasheet
LPC4350FET256	Dual-core Cortex-M4/M0, 264 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SGPIO, SCT	Production	Download datasheet Order sample
LPC4353FBD208	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4353FET180	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4353FET256	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Qualification	Download datasheet Order sample
LPC4357FBD208	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4357FET180	32-bit ARM Cortex-M4/M0 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC4357FET256	Dual-core Cortex-M4/M0, 1 MB Flash, 136 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SGPIO, SCT	Qualification	Download datasheet Order sample

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