



# OM13040



Keil MCB4357 Evaluation Board

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OM13040,598

Region

Distributor **In Stock**

OR:

## 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

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.

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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	<a href="#">Buy</a>
				NA	DIGI-KEY CORPORATION	6		12/11/2012	<a href="#">Buy</a>

## Products

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

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

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