OM13039

Keil MCB1857 Evaluation Board

Print

Overview | Ordering | Products | Design support | Show all

Quick ordering

OM13039,598

Region North America

Distributor **In Stock**

OR: Order samples

Demo board description

The Keil MCB1857 Evaluation Board enables you to create and test working programs based on the LPC1800 family of ARM Cortex™-M3 based devices. The MCB1857 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 MCB1857 evaluation board, and a Quickstart guide are included.

Features

- Full-speed USB 2.0 Host/Device interface (USB host + micro USB Device connectors)
- CAN interfaces
- 180MHz ARM Cortex-M3 processor-based MCU in LBGA256
- 136KB 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)
- 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)

Descriptive summary

Keil MCB1857 Evaluation Board
The Keil MCB1857 Evaluation Board enables you to create and test working programs based on the LPC1800 family of ARM Cortex™-M3 based devices.

Demo boards

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM13039	9352 982 11598	OM13039,598	Volume production	NA	MOUSER ELECTRONICS	8		12/11/2012	Buy
				NA	DIGI-KEY CORPORATION	1		12/11/2012	Buy

Products

Type number	Description	Status	Quick access
LPC1810FBD144	Cortex-M3, 136 kB SRAM, CAN, AES, SPIFI, SCT	Qualification	Download datasheet Order sample
LPC1810FET100	Cortex-M3, 136 kB SRAM, CAN, AES, SPIFI, SCT	Production	Download datasheet Order sample
LPC1820FBD100	Cortex-M3, 168 kB SRAM, HS USB with on-chip PHY, CAN, AES, SPIFI, SCT	Development	Download datasheet
LPC1820FBD144	Cortex-M3, 168 kB SRAM, HS USB with on-chip PHY, CAN, AES, SPIFI, SCT	Qualification	Download datasheet Order sample
LPC1820FET100	Cortex-M3, 168 kB SRAM, HS USB with on-chip PHY, CAN, AES, SPIFI, SCT	Production	Download datasheet Order sample
LPC1830FBD144	Cortex-M3, 200 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SCT	Qualification	Download datasheet Order sample
LPC1830FET100	Cortex-M3, 200 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SCT	Production	Download datasheet Order sample
LPC1830FET180	Cortex-M3, 200 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SCT	Development	Download datasheet
LPC1830FET256	Cortex-M3, 200 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, CAN, AES, SPIFI, SCT	Production	Download datasheet Order sample
LPC1833FBD144	32-bit ARM Cortex-M3 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC1833FET100	32-bit ARM Cortex-M3 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC1833FET180	32-bit ARM Cortex-M3 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC1833FET256	32-bit ARM Cortex-M3 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Qualification	Download datasheet Order sample
LPC1837FET100	32-bit ARM Cortex-M3 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Development	
LPC1837FET180	32-bit ARM Cortex-M3 MCU; up to 1 MB	Development	

	flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC		
LPC1837FET256	32-bit ARM Cortex-M3 MCU; up to 1 MB flash and 136 kB SRAM; Ethernet, two High-speed USB, LCD, EMC	Qualification	Download datasheet Order sample
LPC1850FBD208	Cortex-M3, 200 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Development	Download datasheet
LPC1850FET180	Cortex-M3, 200 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Development	Download datasheet
LPC1850FET256	Cortex-M3, 200 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Production	Download datasheet Order sample
LPC1853FBD208	Cortex-M3, 512 kB dual-bank flash, 136 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Development	
LPC1853FET180	Cortex-M3, 512 kB dual-bank flash, 136 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Development	
LPC1853FET256	Cortex-M3, 512 kB dual-bank flash, 136 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Qualification	Order sample
LPC1857FBD208	Cortex-M3, 1 MB dual-bank flash, 136 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Development	
LPC1857FET180	Cortex-M3, 1 MB dual-bank flash, 136 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Development	
LPC1857FET256	Cortex-M3, 1 MB dual-bank flash, 136 kB SRAM, 2 HS USB with on-chip PHY, Ethernet, LCD, CAN, AES, SPIFI, SCT	Qualification	Download datasheet Order sample

Support

Do you want to ask technical questions to an NXP expert?
Please select one of the following options:

Use our e-mail form to ask a question
Find answers in our technical support site.