

C8051F006-GQR



**SILICON LABS**

Part Number: [C8051F006-GQR](#)

Manufacturer [Energy Micro \(Silicon Labs\)](#)

Description IC MCU 8BIT 32KB FLASH 48QFP

Data sheet:  [C8051F0xx](#)

RoHs Status: Lead free / RoHS Compliant

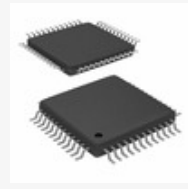
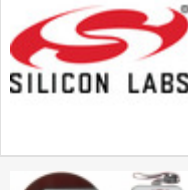
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PRODUCT PARAMETER			
Part Number	C8051F006-GQR	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 32KB FLASH 48QFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	7296 pcs	Data sheet	C8051F0xx
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	48-QFP (7x7)	Speed	25MHz
Series	C8051F00x	RAM Size	2.25K x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Packaging	Tape & Reel (TR)
Package / Case	48-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	16
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	8051 C8051F00x Microcontroller IC 8-Bit 25MHz 32KB (32K x 8) FLASH 48-QFP (7x7)
Data Converters	A/D 8x12b, D/A 2x12b	Core Size	8-Bit
Core Processor	8051	Connectivity	SMBus (2-Wire/I ² C), SPI, UART/USART
Base Part Number	C8051F00		
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	Part#: C8051F007-GQ Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F007R Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F005DK-B Description: DEV KIT FOR C8051F005/F006/F007	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F005DK-T Description: DEV KIT FOR C8051F005/F006/F007	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F006R Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F010-TB Description: BOARD PROTOTYPING W/C8051F010	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F006 Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F005R Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F005DK-U Description: DEV KIT FOR F005/006/007	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F006-GQ Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F007 Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F010-GQR Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F005DK-E Description: DEV KIT FOR C8051F005/F006/F007	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F010-GQ Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F010R Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F007-GQR Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F005DK-J Description: DEV KIT FOR C8051F005/F006/F007	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F005DK-H Description: DEV KIT FOR C8051F005/F006/F007	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F010 Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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