

C8051F016R



**SILICON LABS**

Part Number: [C8051F016R](#)

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

Description: IC MCU 8BIT 32KB FLASH 48QFP

Data sheet:  [C8051F0xx](#)

RoHs Status: Contains lead / RoHS non-compliant

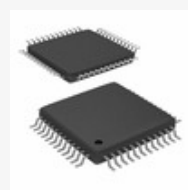
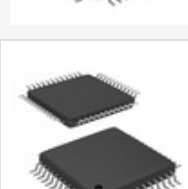
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PRODUCT PARAMETER			
Part Number	C8051F016R	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 32KB FLASH 48QFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4178 pcs	Data sheet	C8051F0xx
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	48-QFP (7x7)	Speed	25MHz
Series	C8051F01x	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	Cut Tape (CT)
Package / Case	48-TQFP	Other Names	336-1031-1
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	Contains lead / RoHS non-compliant	EEPROM Size	-
Detailed Description	8051 C8051F01x Microcontroller IC 8-Bit 25MHz 32KB (32K x 8) FLASH 48-QFP (7x7)	Data Converters	A/D 8x10b; D/A 2x12b
Core Size	8-Bit	Core Processor	8051
Connectivity	SMBus (2-Wire/I ² C), SPI, UART/USART	Base Part Number	C8051F01
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	Part#: C8051F019-GQ Description: IC MCU 8BIT 16KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F018R Description: IC MCU 8BIT 16KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F015 Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F017 Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F015-GQR Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F015-GQ Description: IC MCU 8BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F018-GQ Description: IC MCU 8BIT 16KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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