

C8051F019



**SILICON LABS**

Part Number: [C8051F019](#)

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

Description: IC MCU 8BIT 16KB FLASH 48QFP

Data sheet:  [C8051F018/19](#)

RoHs Status: Contains lead / RoHS non-compliant

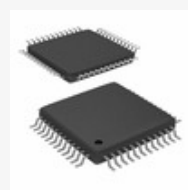
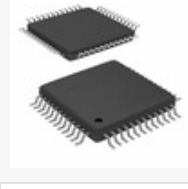
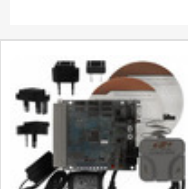
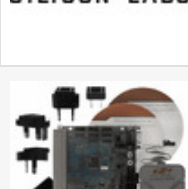
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PRODUCT PARAMETER			
Part Number	C8051F019	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 16KB FLASH 48QFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4031 pcs	Data sheet	C8051F018/19
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.8 V ~ 3.6 V
Supplier Device Package	48-QFP (7x7)	Speed	25MHz
Series	C8051F018	RAM Size	1.25K x 8
Program Memory Type	FLASH	Program Memory Size	16KB (16K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Packaging	Tray
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	Contains lead / RoHS non-compliant
EEPROM Size	-	Detailed Description	8051 C8051F018 Microcontroller IC 8-Bit 25MHz 16KB (16K x 8) FLASH 48-QFP (7x7)
Data Converters	A/D 8x10b	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#: C8051F019R Description: IC MCU 8BIT 16KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F016R Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F017R Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F017-GQ Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F019-GQR Description: IC MCU 8BIT 16KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F020-GQR Description: IC MCU 8BIT 64KB FLASH 100TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F020DK-B Description: DEV KIT FOR F020/F021/F022/F023	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F016-GQR Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F018-GQR Description: IC MCU 8BIT 16KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F020 Description: IC MCU 8BIT 64KB FLASH 100TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F020DK Description: DEV KIT FOR F020/F021/F022/F023	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F017 Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F018 Description: IC MCU 8BIT 16KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F020DK-A Description: DEV KIT FOR F020/F021/F022/F023	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F020-GQ Description: IC MCU 8BIT 64KB FLASH 100TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F017-GQR Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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