

C8051F018-GQ



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Part Number: [C8051F018-GQ](#)

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

Description: IC MCU 8BIT 16KB FLASH 64TQFP

Data sheet:  [C8051F018/19](#)

RoHs Status: Lead free / RoHS Compliant

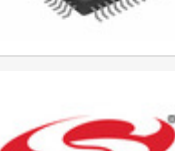
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PRODUCT PARAMETER			
Part Number	C8051F018-GQ	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 16KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	9731 pcs	Data sheet	C8051F018/19
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.8 V ~ 3.6 V
Supplier Device Package	64-TQFP (10x10)	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	64-TQFP	Other Names	336-1197 C8051F018GQ
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	32	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	8051 C8051F018 Microcontroller IC 8-Bit 25MHz 16KB (16K x 8) FLASH 64-TQFP (10x10)	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#: 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#: C8051F018R Description: IC MCU 8BIT 16KB FLASH 64TQFP	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
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	Part#: C8051F020-GQR Description: IC MCU 8BIT 64KB FLASH 100TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F016-GQR Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F017-GQR Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F017R Description: IC MCU 8BIT 32KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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