

C8051F380-GQR



**SILICON LABS**

Part Number: [C8051F380-GQR](#)

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

Description: IC MCU 8BIT 64KB FLASH 48TQFP

Data sheet:  [C8051F380-87/C](#)
 [C8051F38x Errata](#)

RoHs Status: Lead free / RoHS Compliant

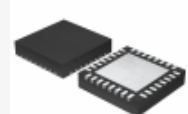
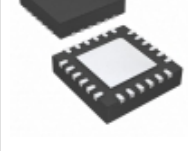
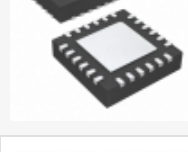
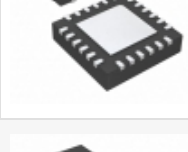
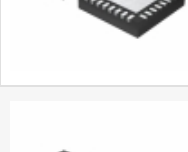
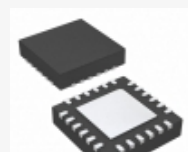
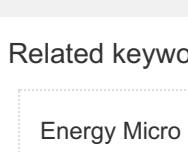
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PRODUCT PARAMETER			
Part Number	C8051F380-GQR	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 64KB FLASH 48TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	41452 pcs	Data sheet	C8051F380-87/C C8051F38x Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.25 V
Supplier Device Package	48-QFP (7x7)	Speed	48 MIPS
Series	C8051F38x	RAM Size	4.25K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Packaging	Original-Reel®
Package / Case	48-TQFP	Other Names	336-4727-6
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	40	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	6 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	8051 C8051F38x Microcontroller IC 8-Bit 48 MIPS 64KB (64K x 8) FLASH 48-QFP (7x7)
Data Converters	A/D 32x10b	Core Size	8-Bit
Core Processor	8051	Connectivity	EBI/EMI, I²C, SPI, UART/USART, USB
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	Part#: C8051F380-GQ Description: IC MCU 8BIT 64KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F382-GQR Description: IC MCU 8BIT 32KB FLASH 48TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F375-A-GMR Description: IC MCU 8BIT 8KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F381-GQ Description: IC MCU 8BIT 64KB FLASH 32LQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F374-A-GM Description: IC MCU 8BIT 8KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F370-A-GMR Description: IC MCU 8BIT 16KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F380DK Description: DEV KIT FOR C8051F380	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F375-A-GM Description: IC MCU 8BIT 8KB FLASH 24QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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