

C8051F042-GQ



SILICON LABS



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Part Number: [C8051F042-GQ](#)

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

Description: IC MCU 8BIT 64KB FLASH 100TQFP

Data sheet:  [C8051F040-47](#)

RoHs Status: Lead free / RoHS Compliant

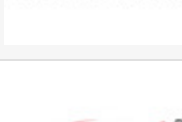
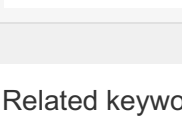
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PRODUCT PARAMETER			
Part Number	C8051F042-GQ	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 64KB FLASH 100TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10433 pcs	Data sheet	C8051F040-47
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	100-TQFP (14x14)	Speed	25MHz
Series	C8051F04x	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	Tray
Package / Case	100-TQFP	Other Names	336-1207 C8051F042GQ
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	64	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	8051 C8051F04x Microcontroller IC 8-Bit 25MHz 64KB (64K x 8) FLASH 100-TQFP (14x14)	Data Converters	A/D 8x8b, 13x10b; D/A 2x10b, 2x12b
Core Size	8-Bit	Core Processor	8051
Connectivity	CANbus, EBI/EMI, SMBus (2-Wire/I ² C), SPI, UART/USART	Base Part Number	C8051F04
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	Part#: C8051F040DK-J Description: DEV KIT FOR F040/F041/F042/F043	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F040DK-U Description: DEV KIT FOR F040/F041/F042/F043	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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