

C8051F012R



SILICON LABS



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Part Number: [C8051F012R](#)

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

Description: IC MCU 8BIT 32KB FLASH 32LQFP

Data sheet:  [C8051F0xx](#)

RoHs Status: Contains lead / RoHS non-compliant

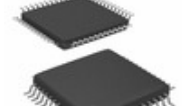
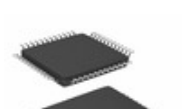
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Request For Quotation

PRODUCT PARAMETER			
Part Number	C8051F012R	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 32KB FLASH 32LQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	5393 pcs	Data sheet	C8051F0xx
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 3.6 V
Supplier Device Package	32-LQFP (7x7)	Speed	20MHz
Series	C8051F01x	RAM Size	256 x 8
Program Memory Type	FLASH	Program Memory Size	32KB (32K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT	Packaging	Tape & Reel (TR)
Package / Case	32-LQFP	Other Names	336-1007-2
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	8	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 20MHz 32KB (32K x 8) FLASH 32-LQFP (7x7)	Data Converters	A/D 4x10b; 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#: C8051F011R Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F011-GQR Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F015-TB Description: BOARD PROTOTYPING W/C8051F015	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F010-TB Description: BOARD PROTOTYPING W/C8051F010	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F016 Description: IC MCU 8BIT 32KB FLASH 48QFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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