

C8051F820-GU





SILICON LABS

Part Number: [C8051F820-GU](#)

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

Description: IC MCU 8BIT 8KB FLASH 24QSOP

Data sheet:  [C8051F80x-83x](#)

RoHs Status: Lead free / RoHS Compliant

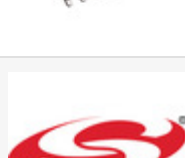
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Request For Quotation

PRODUCT PARAMETER			
Part Number	C8051F820-GU	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 8KB FLASH 24QSOP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	74941 pcs	Data sheet	C8051F80x-83x
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Supplier Device Package	24-QSOP	Speed	25MHz
Series	C8051F82x	RAM Size	512 x 8
Program Memory Type	FLASH	Program Memory Size	8KB (8K x 8)
Peripherals	POR, PWM, WDT	Packaging	Tube
Package / Case	24-SSOP (0.154", 3.90mm Width)	Other Names	336-1795-5 C8051F820GU
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	17	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	8051 C8051F82x Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH 24-QSOP	Data Converters	-
Core Size	8-Bit	Core Processor	8051
Connectivity	SMBus (2-Wire/I ² C), SPI, UART/USART	Base Part Number	C8051F82
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	Part#: C8051F819-GU Description: IC MCU 8BIT 8KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F818-GU Description: IC MCU 8BIT 8KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F822-GSR Description: IC MCU 8BIT 8KB FLASH 16SOIC	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F818-GUR Description: IC MCU 8BIT 8KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F820-GUR Description: IC MCU 8BIT 8KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F820-GMR Description: IC MCU 8BIT 8KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F824-GS Description: IC MCU 8BIT 8KB FLASH 16SOIC	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F825-GS Description: IC MCU 8BIT 8KB FLASH 16SOIC	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F822-GS Description: IC MCU 8BIT 8KB FLASH 16SOIC	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F823-GS Description: IC MCU 8BIT 8KB FLASH 16SOIC	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F820-GM Description: IC MCU 8BIT 8KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F819-GMR Description: IC MCU 8BIT 8KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F818-GMR Description: IC MCU 8BIT 8KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F819-GUR Description: IC MCU 8BIT 8KB FLASH 24QSOP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: C8051F818-GM Description: IC MCU 8BIT 8KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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