

C8051F824-GS



**SILICON LABS**

Part Number: [C8051F824-GS](#)

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

Description: IC MCU 8BIT 8KB FLASH 16SOIC

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

RoHs Status: Lead free / RoHS Compliant

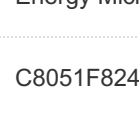
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PRODUCT PARAMETER			
Part Number	C8051F824-GS	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 8BIT 8KB FLASH 16SOIC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	60003 pcs	Data sheet	C8051F80x-83x
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Supplier Device Package	16-SOIC	Speed	25MHz
Series	C8051F82x	RAM Size	256 x 8
Program Memory Type	FLASH	Program Memory Size	8KB (8K x 8)
Peripherals	Cap Sense, POR, PWM, Temp Sensor, WDT	Packaging	Tube
Package / Case	16-SOIC (0.154", 3.90mm Width)	Other Names	336-1804-5 C8051F824GS
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	13	Moisture Sensitivity Level (MSL)	3 (168 Hours)
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 16-SOIC	Data Converters	A/D 12x10b
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#: C8051F828-GS Description: IC MCU 8BIT 8KB FLASH 16SOIC	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F820-GMR Description: IC MCU 8BIT 8KB FLASH 20QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: C8051F824-GSR Description: IC MCU 8BIT 8KB FLASH 16SOIC	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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