

**C8051F803-GSR**



**SILICON LABS**

**Part Number:** [C8051F803-GSR](#)

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

**Description:** IC MCU 8BIT 16KB FLASH 16SOIC

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

**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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**PRODUCT PARAMETER**

|   |   |                                       |  |
|---|---|---------------------------------------|--|
| <b>Part Number</b>                      | C8051F803-GSR                             | <b>Manufacturer</b>                   | <a href="#">Energy Micro (Silicon Labs)</a>                                |
| <b>Description</b>                      | IC MCU 8BIT 16KB FLASH 16SOIC             | <b>Lead Free Status / RoHS Status</b> | Lead free / RoHS Compliant   |
| <b>Quantity Available</b>               | 70259 pcs                                 | <b>Data sheet</b>                     | <a href="#">C8051F80x-83x</a>  |
| <b>Category</b>                         | <a href="#">Integrated Circuits (ICs)</a> | <b>Voltage - Supply (Vcc/Vdd)</b>     | 1.8 V ~ 3.6 V  |
| <b>Supplier Device Package</b>          | 16-SOIC                                   | <b>Speed</b>                          | 25MHz  |
| <b>Series</b>                           | C8051F80x                                 | <b>RAM Size</b>                       | 512 x 8  |
| <b>Program Memory Type</b>              | FLASH                                     | <b>Program Memory Size</b>            | 16KB (16K x 8)   |
| <b>Peripherals</b>                      | Cap Sense, POR, PWM, Temp Sensor, WDT     | <b>Packaging</b>                      | Tape & Reel (TR)   |
| <b>Package / Case</b>                   | 16-SOIC (0.154", 3.90mm Width)            | <b>Oscillator Type</b>                | Internal   |
| <b>Operating Temperature</b>            | -40°C ~ 85°C (TA)                         | <b>Number of I/O</b>                  | 13   |
| <b>Moisture Sensitivity Level (MSL)</b> | 3 (168 Hours)                             | <b>Lead Free Status / RoHS Status</b> | Lead free / RoHS Compliant   |
| <b>EEPROM Size</b>                      | -   | <b>Detailed Description</b>           | 8051 C8051F80x Microcontroller IC 8-Bit 25MHz 16KB (16K x 8) FLASH 16-SOIC |
| <b>Data Converters</b>                  | A/D 12x10b                                | <b>Core Size</b>                      | 8-Bit  |
| <b>Core Processor</b>                   | 8051                                      | <b>Connectivity</b>                   | SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                           |

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|  | <b>Part#:</b> <a href="#">C8051F804-GS</a><br><b>Description:</b> IC MCU 8BIT 16KB FLASH 16SOIC  | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | <b>Part#:</b> <a href="#">C8051F805-GSR</a><br><b>Description:</b> IC MCU 8BIT 16KB FLASH 16SOIC | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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|  | <b>Part#:</b> <a href="#">C8051F802-GUR</a><br><b>Description:</b> IC MCU 8BIT 16KB FLASH 24QSOP | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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|  | <b>Part#:</b> <a href="#">C8051F806-GU</a><br><b>Description:</b> IC MCU 8BIT 16KB FLASH 24QSOP  | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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