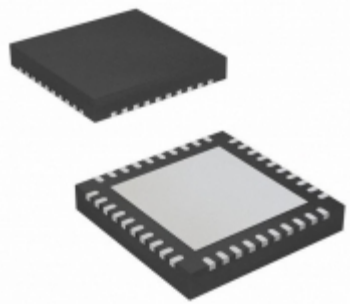


C8051F963-B-GMR



**SILICON LABS**

**Part Number:** [C8051F963-B-GMR](#)

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

**Description:** IC MCU 8BIT 128KB FLASH 40QFN

**Data sheet:**  [C8051F96x](#)

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

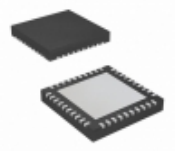
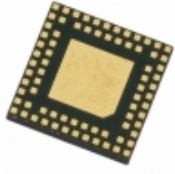
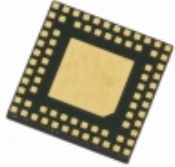
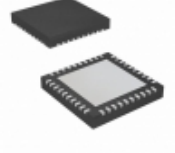
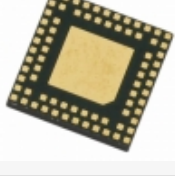
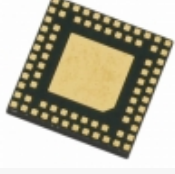
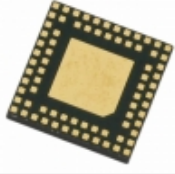
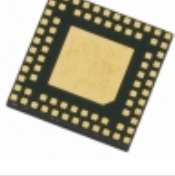
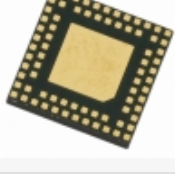
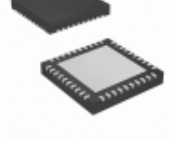
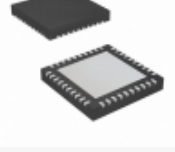
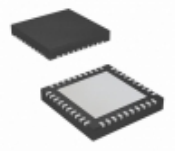
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
**Buy C8051F963-B-GMR with confidence from Component-World.HK, 1 Year Warranty**

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                   |                                 |                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                          | C8051F963-B-GMR                                                                   | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 8BIT 128KB FLASH 40QFN                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                   | 18487 pcs                                                                         | Data sheet                      | <a href="#">C8051F96x</a>                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.8 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                              | 40-QFN (6x6)                                                                      | Speed                           | 25MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                               | C8051F9xx                                                                         | RAM Size                        | 8.25K x 8                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                                                             | Program Memory Size             | 128KB (128K x 8)                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                          | DMA, POR, PWM, WDT                                                                | Packaging                       | Tape & Reel (TR)                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                       | 40-VFQFN Exposed Pad                                                              | Oscillator Type                 | Internal                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C ~ 85°C (TA)                                                                 | Number of I/O                   | 34                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                     | 1 (Unlimited)                                                                     | Manufacturer Standard Lead Time | 6 Weeks                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                       | Lead free / RoHS Compliant                                                        | EEPROM Size                     | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                 | 8051 C8051F9xx Microcontroller IC 8-Bit 25MHz 128KB (128K x 8) FLASH 40-QFN (6x6) | Data Converters                 | A/D 16x10b/12b                              |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                            | 8-Bit                                                                             | Core Processor                  | 8051                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                         | I <sup>2</sup> C, SPI, UART/USART                                                 |                                 |                                             |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 18487 pieces of Energy Micro (Silicon Labs) C8051F963-B-GMR in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                                                                   |                                 |                                             |

| RELATED PRODUCTS                                                                   |                                             |                                                            |                     |
|------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">C8051F965-A-GMR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 40QFN   |                                                            |                     |
|  | Part#: <a href="#">C8051F962-A-GMR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 76DQFN |                                                            |                     |
|  | Part#: <a href="#">C8051F962-B-GM</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 76DQFN |                                                            |                     |
|  | Part#: <a href="#">C8051F964-B-QQR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 80TQFP  |                                                            |                     |
|  | Part#: <a href="#">C8051F965-A-GM</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 40QFN   |                                                            |                     |
|  | Part#: <a href="#">C8051F964-B-GM</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 76DQFN  |                                                            |                     |
|  | Part#: <a href="#">C8051F962-B-QQR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 80TQFP |                                                            |                     |
|  | Part#: <a href="#">C8051F964-A-GQ</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 80TQFP  |                                                            |                     |
|  | Part#: <a href="#">C8051F964-A-QQR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 80TQFP  |                                                            |                     |
|  | Part#: <a href="#">C8051F964-A-GMR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 76DQFN  |                                                            |                     |
|  | Part#: <a href="#">C8051F962-B-GQ</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 80TQFP |                                                            |                     |
|  | Part#: <a href="#">C8051F964-A-GM</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 76DQFN  |                                                            |                     |
|  | Part#: <a href="#">C8051F962-A-GQ</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 80TQFP |                                                            |                     |
|  | Part#: <a href="#">C8051F964-B-GQ</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 80TQFP  |                                                            |                     |
|  | Part#: <a href="#">C8051F962-B-GMR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 76DQFN |                                                            |                     |
|  | Part#: <a href="#">C8051F964-B-GMR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 64KB FLASH 76DQFN  |                                                            |                     |
|  | Part#: <a href="#">C8051F963-A-GMR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 40QFN  |                                                            |                     |
|  | Part#: <a href="#">C8051F963-B-GM</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 40QFN  |                                                            |                     |
|  | Part#: <a href="#">C8051F962-A-QQR</a>      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 80TQFP |                                                            |                     |
|  | Part#: <a href="#">C8051F963-A-GM</a>       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                                                                                    | Description: IC MCU 8BIT 128KB FLASH 40QFN  |                                                            |                     |

Related keywords for **C8051F963-B-GMR**

|                                             |                              |                                             |                                      |
|---------------------------------------------|------------------------------|---------------------------------------------|--------------------------------------|
| Energy Micro (Silicon Labs) C8051F963-B-GMR | C8051F963-B-GMR distributor  | C8051F963-B-GMR supplier                    | C8051F963-B-GMR price                |
| C8051F963-B-GMR download datasheet          | C8051F963-B-GMR datasheet    | C8051F963-B-GMR stock                       | buy C8051F963-B-GMR                  |
| Energy Micro (Silicon Labs) C8051F963-B-GMR | Energy Micro C8051F963-B-GMR | Energy Micro (Silicon Labs) C8051F963-B-GMR | Silicon Laboratories C8051F963-B-GMR |
| Silicon Labs C8051F963-B-GMR                |                              |                                             |                                      |