

C8051F986-C-GU





SILICON LABS

Part Number: [C8051F986-C-GU](#)

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

Description: IC MCU 8BIT 8KB FLASH 24QSOP

Data sheet:  [C8051F99x-98x Datasheet](#)  
 [C8051F99x-98x Addendum](#)  
 [C8051F99x/98x Rev A/B Errata](#)

RoHs Status: Lead free / RoHS Compliant

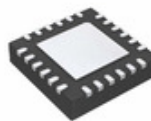
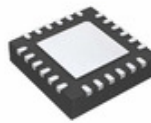
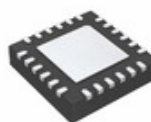
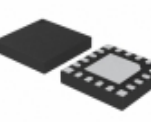
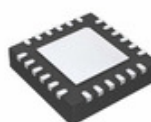
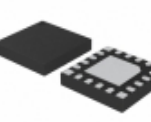
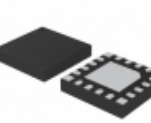
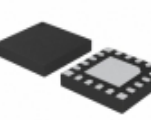
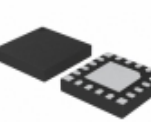
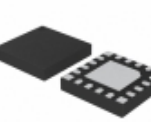
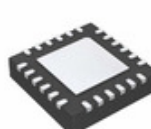
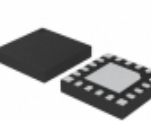
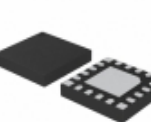
Ship From: Hong Kong

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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |                                  |                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C8051F986-C-GU                                     | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 8BIT 8KB FLASH 24QSOP                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 62688 pcs                                          | Data sheet                       | <a href="#">C8051F99x-98x Datasheet</a><br><a href="#">C8051F99x-98x Addendum</a><br><a href="#">C8051F99x/98x Rev A/B Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a>          | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                                                                     |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 24-QSOP                                            | Speed                            | 25MHz                                                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C8051F9xx                                          | RAM Size                         | 512 x 8                                                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                              | Program Memory Size              | 8KB (8K x 8)                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT | Packaging                        | Tube                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24-SSOP (0.154", 3.90mm Width)                     | Other Names                      | 336-4663<br>C8051F986-C-GU-ND                                                                                                     |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Internal                                           | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 17                                                 | 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             | CIP-51 8051 C8051F9xx Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH 24-QSOP                                                   |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A/D 10x12b                                         | Core Size                        | 8-Bit                                                                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CIP-51 8051                                        | Connectivity                     | SMBus (2-Wire/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 62688 pieces of Energy Micro (Silicon Labs) C8051F986-C-GU 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: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                    |                                  |                                                                                                                                   |

| RELATED PRODUCTS                                                                   |                                                                                     |                                                            |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">C8051F987-C-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F987-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F986-GUR</a><br>Description: IC MCU 8BIT 8KB FLASH 24QSOP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F986-C-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F983-C-GM</a><br>Description: IC MCU 8BIT 4KB FLASH 20QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F987-C-GU</a><br>Description: IC MCU 8BIT 8KB FLASH 24QSOP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F986-C-GMR</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F985-C-GMR</a><br>Description: IC MCU 8BIT 2KB FLASH 20QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F985-C-GM</a><br>Description: IC MCU 8BIT 2KB FLASH 20QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F986-C-GUR</a><br>Description: IC MCU 8BIT 8KB FLASH 24QSOP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F983-GM</a><br>Description: IC MCU 8BIT 4KB FLASH 20QFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F986-GU</a><br>Description: IC MCU 8BIT 8KB FLASH 24QSOP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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