

C8051F996-C-GUR





SILICON LABS

Part Number: C8051F996-C-GUR

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

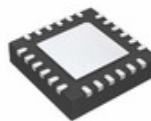
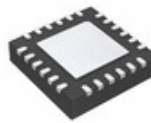
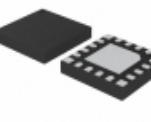
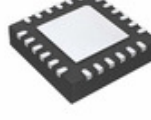
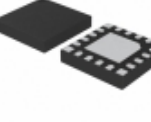
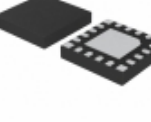
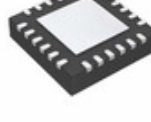
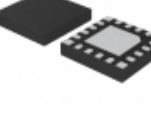
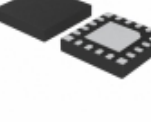
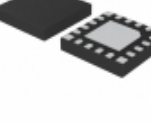
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                 |                                 |                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C8051F996-C-GUR                                                                 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 98044 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, Cap Sense, POR, PWM, Temp Sensor, WDT                   | Packaging                       | Tape & Reel (TR)                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 24-SSOP (0.154", 3.90mm Width)                                                  | 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 98044 pieces of Energy Micro (Silicon Labs) C8051F996-C-GUR 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="#">C8051F997-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="#">C8051F996-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="#">C8051F996-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F996-GMR</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F996-GUR</a><br>Description: IC MCU 8BIT 8KB FLASH 24QSOP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F990-GMR</a><br>Description: IC MCU 8BIT 8KB FLASH 20QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F996-GU</a><br>Description: IC MCU 8BIT 8KB FLASH 24QSOP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F996-GDI</a><br>Description: IC MCU 8BIT 8KB FLASH DIE     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F996-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="#">C8051F996-C-GDI</a><br>Description: IC MCU 8BIT 8KB FLASH DIE   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F996-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="#">C8051F996-TB-K</a><br>Description: EVAL BOARD C8051F996         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F991-GMR</a><br>Description: IC MCU 8BIT 8KB FLASH 20QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F997-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="#">C8051F991-C-GMR</a><br>Description: IC MCU 8BIT 8KB FLASH 20QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F997-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="#">C8051F991-C-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 20QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F996DK</a><br>Description: KIT DEV FOR C8051F996           | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F991-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 20QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F990-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 20QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |

| Related keywords for C8051F996-C-GUR        |                              |                                             |                                      |
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