



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

### C8051F38B-GQR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F38B-GQR                                                                                                |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 32KB FLASH 32LQFP                                                                                |
|                     |  1.C8051F38B-GQR.pdf        |
|                     |  2.C8051F38B-GQR.pdf        |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Stock Condition     | 54145 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

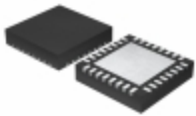
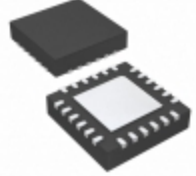
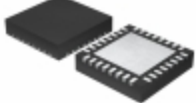
#### Specifications of C8051F38B-GQR

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F38B-GQR                                                                                                                                                                                                      |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 32LQFP                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 54145 pcs                                                                                                                                                                                                          |
| DATA SHEET                       |  1.C8051F38B-GQR.pdf<br> 2.C8051F38B-GQR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.25 V                                                                                                                                                                                                     |
| SPEED                            | 48 MIPS                                                                                                                                                                                                            |
| SERIES                           | C8051F38x                                                                                                                                                                                                          |
| RAM SIZE                         | 2.25K x 8                                                                                                                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                                                                                                     |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                                                                                                                                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 32-LQFP                                                                                                                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 25                                                                                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| EEPROM SIZE                      | -                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | 8051 C8051F38x Microcontroller IC 8-Bit 48 MIPS 32KB (32K x 8) FLASH                                                                                                                                               |
| DATA CONVERTERS                  | A/D 21x10b                                                                                                                                                                                                         |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                              |
| CORE PROCESSOR                   | 8051                                                                                                                                                                                                               |
| CONNECTIVITY                     | I <sup>2</sup> C, SPI, UART/USART                                                                                                                                                                                  |
| BASE PART NUMBER                 | C8051F38                                                                                                                                                                                                           |

#### Related Tags

|                                           |                                      |                                               |
|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F38B-GQR | C8051F38B-GQR Distributor            | C8051F38B-GQR Supplier                        |
| C8051F38B-GQR Price                       | C8051F38B-GQR Pictures               | C8051F38B-GQR Image                           |
| C8051F38B-GQR PDF Datasheet               | C8051F38B-GQR Download Datasheet     | C8051F38B-GQR Datasheet                       |
| C8051F38B-GQR Stock                       | Buy C8051F38B-GQR                    | Buy Energy Micro (Silicon Labs) C8051F38B-GQR |
| Energy Micro (Silicon Labs) C8051F38B-GQR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) C8051F38B-GQR | Energy Micro C8051F38B-GQR           | Energy Micro (Silicon Labs) C8051F38B-GQR     |
| Silicon Laboratories C8051F38B-GQR        | Silicon Labs C8051F38B-GQR           |                                               |

#### Related Products

|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F38C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: 58935 pcs</div> <div>RFQ</div>    |  <div><b>C8051F38B-B-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: 48936 pcs</div> <div>RFQ</div>  |
|  <div><b>C8051F38C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 62772 pcs</div> <div>RFQ</div>  |  <div><b>C8051F38B-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: 44807 pcs</div> <div>RFQ</div>    |
|  <div><b>C8051F38B-B-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: 54648 pcs</div> <div>RFQ</div> |  <div><b>C8051F38B-B-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: 60275 pcs</div> <div>RFQ</div> |
|  <div><b>C8051F390-A-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QFN<br/>In stock: 82470 pcs</div> <div>RFQ</div>  |  <div><b>C8051F38B-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: 49180 pcs</div> <div>RFQ</div>    |
|  <div><b>C8051F38C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: 72103 pcs</div> <div>RFQ</div>   |  <div><b>C8051F38C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 65300 pcs</div> <div>RFQ</div>    |
|  <div><b>C8051F390-A-DK</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: KIT DEV FOR C8051F390<br/>In stock: 1013 pcs</div> <div>RFQ</div>          |  <div><b>C8051F38B-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: 41490 pcs</div> <div>RFQ</div>     |