



Energy Micro (Silicon Labs)

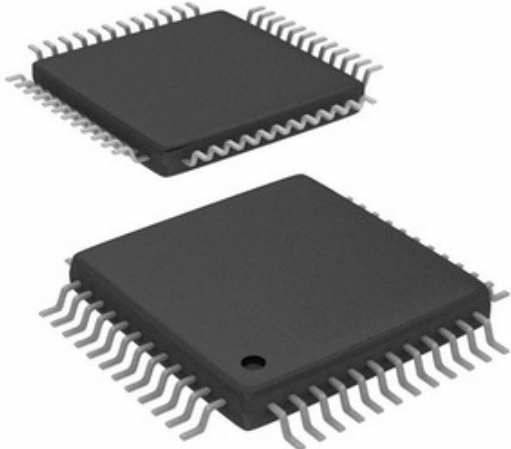


Image may be representation. See specifications for product details.

C8051F382-GQ

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F382-GQ                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 32KB FLASH 48TQFP                                                                                |
|                     |  1.C8051F382-GQ.pdf         |
|                     |  2.C8051F382-GQ.pdf         |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

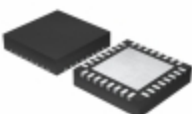
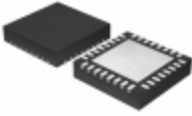
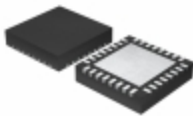
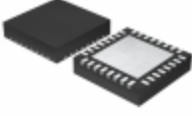
Specifications of C8051F382-GQ

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F382-GQ                                                                                                                                                                                                     |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 48TQFP                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                       |
| DATA SHEET                       |  1.C8051F382-GQ.pdf<br> 2.C8051F382-GQ.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.25 V                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 48-QFP (7x7)                                                                                                                                                                                                     |
| 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                        | Tray                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 48-TQFP                                                                                                                                                                                                          |
| OTHER NAMES                      | 336-2024<br>C8051F382GQ                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                |
| NUMBER OF I/O                    | 40                                                                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                    |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                                                                                                                                                          |
| 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 48-QFP (7x7)                                                                                                                                |
| DATA CONVERTERS                  | A/D 32x10b                                                                                                                                                                                                       |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                            |
| CORE PROCESSOR                   | 8051                                                                                                                                                                                                             |
| CONNECTIVITY                     | EBI/EMI, I²C, SPI, UART/USART, USB                                                                                                                                                                               |
| BASE PART NUMBER                 | C8051F38                                                                                                                                                                                                         |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F382-GQ | C8051F382-GQ Distributor             | C8051F382-GQ Supplier                        |
| C8051F382-GQ Price                       | C8051F382-GQ Pictures                | C8051F382-GQ Image                           |
| C8051F382-GQ PDF Datasheet               | C8051F382-GQ Download Datasheet      | C8051F382-GQ Datasheet                       |
| C8051F382-GQ Stock                       | Buy C8051F382-GQ                     | Buy Energy Micro (Silicon Labs) C8051F382-GQ |
| Energy Micro (Silicon Labs) C8051F382-GQ | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F382-GQ | Energy Micro C8051F382-GQ            | Energy Micro (Silicon Labs) C8051F382-GQ     |
| Silicon Laboratories C8051F382-GQ        | Silicon Labs C8051F382-GQ            |                                              |

Related Products

|                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |
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| <div></div> <div><b>C8051F382-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>C8051F383-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: 65 pcs<br/><div>RFQ</div></div>      |
| <div></div> <div><b>C8051F381-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 32LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>C8051F383-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>C8051F381-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>C8051F380DK</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DEV KIT FOR C8051F380<br/>In stock: 20 pcs<br/><div>RFQ</div></div>              |
| <div></div> <div><b>C8051F380-TB-K</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DEV KIT FOR C8051F38X<br/>In stock: 3 pcs<br/><div>RFQ</div></div>            | <div></div> <div><b>C8051F383-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>C8051F384-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 48TQFP<br/>In stock: 250 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>C8051F383-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>C8051F381-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 32LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>C8051F381-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |