



Energy Micro (Silicon Labs)



C8051F982-GM

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F982-GM                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 4KB FLASH 20QFN                                                                                  |
|                     |  1.C8051F982-GM.pdf         |
|                     |  2.C8051F982-GM.pdf         |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5494 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of C8051F982-GM

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F982-GM                                                                                                                                                                                                     |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 8BIT 4KB FLASH 20QFN                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 5494 pcs                                                                                                                                                                                                         |
| DATA SHEET                       |  1.C8051F982-GM.pdf<br> 2.C8051F982-GM.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 20-QFN (3x3)                                                                                                                                                                                                     |
| SPEED                            | 25MHz                                                                                                                                                                                                            |
| SERIES                           | C8051F9xx                                                                                                                                                                                                        |
| RAM SIZE                         | 512 x 8                                                                                                                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 4KB (4K x 8)                                                                                                                                                                                                     |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                                                                                                                                                               |
| PACKAGING                        | Tube                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 20-UFQFN Exposed Pad                                                                                                                                                                                             |
| OTHER NAMES                      | 336-1949-5<br>C8051F982GM                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                |
| NUMBER OF I/O                    | 16                                                                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                       |
| EEPROM SIZE                      | -                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | CIP-51 8051 C8051F9xx Microcontroller IC 8-Bit 25MHz 4KB (4K x 8) FLASH 20-QFN (3x3)                                                                                                                             |
| DATA CONVERTERS                  | A/D 10x10b                                                                                                                                                                                                       |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                            |
| CORE PROCESSOR                   | CIP-51 8051                                                                                                                                                                                                      |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), SPI, UART/USART                                                                                                                                                                              |
| BASE PART NUMBER                 | C8051F98                                                                                                                                                                                                         |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F982-GM | C8051F982-GM Distributor             | C8051F982-GM Supplier                        |
| C8051F982-GM Price                       | C8051F982-GM Pictures                | C8051F982-GM Image                           |
| C8051F982-GM PDF Datasheet               | C8051F982-GM Download Datasheet      | C8051F982-GM Datasheet                       |
| C8051F982-GM Stock                       | Buy C8051F982-GM                     | Buy Energy Micro (Silicon Labs) C8051F982-GM |
| Energy Micro (Silicon Labs) C8051F982-GM | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F982-GM | Energy Micro C8051F982-GM            | Energy Micro (Silicon Labs) C8051F982-GM     |
| Silicon Laboratories C8051F982-GM        | Silicon Labs C8051F982-GM            |                                              |

Related Products

|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                    |
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| <div><div><b>C8051F981-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: 7044 pcs</div><div>RFQ</div></div>     | <div><div><b>C8051F981-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: 101705 pcs</div><div>RFQ</div></div>  |
| <div><div><b>C8051F982-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 20QFN<br/>In stock: 125220 pcs</div><div>RFQ</div></div>  | <div><div><b>C8051F983-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 20QFN<br/>In stock: 4649 pcs</div><div>RFQ</div></div>     |
| <div><div><b>C8051F983-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 20QFN<br/>In stock: 120933 pcs</div><div>RFQ</div></div>  | <div><div><b>C8051F983-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 20QFN<br/>In stock: 4097 pcs</div><div>RFQ</div></div>      |
| <div><div><b>C8051F985-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20QFN<br/>In stock: 125210 pcs</div><div>RFQ</div></div>  | <div><div><b>C8051F981-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: 135400 pcs</div><div>RFQ</div></div> |
| <div><div><b>C8051F982-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 20QFN<br/>In stock: 124038 pcs</div><div>RFQ</div></div> | <div><div><b>C8051F981-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: 4620 pcs</div><div>RFQ</div></div>      |
| <div><div><b>C8051F983-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 20QFN<br/>In stock: 127278 pcs</div><div>RFQ</div></div> | <div><div><b>C8051F982-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 20QFN<br/>In stock: 4993 pcs</div><div>RFQ</div></div>     |