



C8051F812-GMR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F812-GMR                                                                                                |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 8KB FLASH 20QFN                                                                                  |
| Datasheets:         |  C8051F812-GMR.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 76624 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of C8051F812-GMR

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F812-GMR                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                           |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 20QFN                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 76624 pcs                                                                                             |
| DATA SHEET                       |  C8051F812-GMR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 20-QFN (4x4)                                                                                          |
| SPEED                            | 25MHz                                                                                                 |
| SERIES                           | C8051F81x                                                                                             |
| RAM SIZE                         | 512 x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                          |
| PERIPHERALS                      | Cap Sense, POR, PWM, Temp Sensor, WDT                                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                                      |
| PACKAGE / CASE                   | 20-VFQFN Exposed Pad                                                                                  |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                     |
| NUMBER OF I/O                    | 17                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | -                                                                                                     |
| DETAILED DESCRIPTION             | 8051 C8051F81x Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH 20-QFN (4x4)                         |
| DATA CONVERTERS                  | A/D 16x10b                                                                                            |
| CORE SIZE                        | 8-Bit                                                                                                 |
| CORE PROCESSOR                   | 8051                                                                                                  |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), SPI, UART/USART                                                                   |

Related Tags

|                                           |                                      |                                               |
|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F812-GMR | C8051F812-GMR Distributor            | C8051F812-GMR Supplier                        |
| C8051F812-GMR Price                       | C8051F812-GMR Pictures               | C8051F812-GMR Image                           |
| C8051F812-GMR PDF Datasheet               | C8051F812-GMR Download Datasheet     | C8051F812-GMR Datasheet                       |
| C8051F812-GMR Stock                       | Buy C8051F812-GMR                    | Buy Energy Micro (Silicon Labs) C8051F812-GMR |
| Energy Micro (Silicon Labs) C8051F812-GMR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) C8051F812-GMR | Energy Micro C8051F812-GMR           | Energy Micro (Silicon Labs) C8051F812-GMR     |
| Silicon Laboratories C8051F812-GMR        | Silicon Labs C8051F812-GMR           |                                               |

Related Products

|                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F810-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 16SOIC<br/>In stock: 65391 pcs<br/>RFQ</div>  |  <div><b>C8051F812-GUR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QSOP<br/>In stock: 70544 pcs<br/>RFQ</div>  |
|  <div><b>C8051F809-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 16SOIC<br/>In stock: 69668 pcs<br/>RFQ</div> |  <div><b>C8051F811-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 16SOIC<br/>In stock: 98078 pcs<br/>RFQ</div> |
|  <div><b>C8051F812-GU</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QSOP<br/>In stock: 45260 pcs<br/>RFQ</div>   |  <div><b>C8051F813-GU</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QSOP<br/>In stock: 58652 pcs<br/>RFQ</div>   |
|  <div><b>C8051F812-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: 57295 pcs<br/>RFQ</div>    |  <div><b>C8051F813-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: 86310 pcs<br/>RFQ</div>   |
|  <div><b>C8051F813-GUR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QSOP<br/>In stock: 65459 pcs<br/>RFQ</div>  |  <div><b>C8051F811-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 16SOIC<br/>In stock: 77461 pcs<br/>RFQ</div>  |
|  <div><b>C8051F813-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: 56177 pcs<br/>RFQ</div>    |  <div><b>C8051F810-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 16SOIC<br/>In stock: 85340 pcs<br/>RFQ</div> |