



Energy Micro (Silicon Labs)



C8051F823-GSR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F823-GSR                                                                                                |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 8KB FLASH 16SOIC                                                                                 |
| Datasheets:         |  C8051F823-GSR.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of C8051F823-GSR

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F823-GSR                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                           |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 16SOIC                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| DATA SHEET                       |  C8051F823-GSR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 16-SOIC                                                                                               |
| SPEED                            | 25MHz                                                                                                 |
| SERIES                           | C8051F82x                                                                                             |
| RAM SIZE                         | 512 x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                          |
| PERIPHERALS                      | POR, PWM, WDT                                                                                         |
| PACKAGING                        | Tape & Reel (TR)                                                                                      |
| PACKAGE / CASE                   | 16-SOIC (0.154", 3.90mm Width)                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                     |
| NUMBER OF I/O                    | 13                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | -                                                                                                     |
| DETAILED DESCRIPTION             | 8051 C8051F82x Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH 16-SOIC                              |
| DATA CONVERTERS                  | -                                                                                                     |
| CORE SIZE                        | 8-Bit                                                                                                 |
| CORE PROCESSOR                   | 8051                                                                                                  |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), SPI, UART/USART                                                                   |

Related Tags

|                                           |                                      |                                               |
|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F823-GSR | C8051F823-GSR Distributor            | C8051F823-GSR Supplier                        |
| C8051F823-GSR Price                       | C8051F823-GSR Pictures               | C8051F823-GSR Image                           |
| C8051F823-GSR PDF Datasheet               | C8051F823-GSR Download Datasheet     | C8051F823-GSR Datasheet                       |
| C8051F823-GSR Stock                       | Buy C8051F823-GSR                    | Buy Energy Micro (Silicon Labs) C8051F823-GSR |
| Energy Micro (Silicon Labs) C8051F823-GSR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) C8051F823-GSR | Energy Micro C8051F823-GSR           | Energy Micro (Silicon Labs) C8051F823-GSR     |
| Silicon Laboratories C8051F823-GSR        | Silicon Labs C8051F823-GSR           |                                               |

Related Products

|                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F821-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>C8051F820-GUR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QSOP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>C8051F826-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: 273 pcs<br/><div>RFQ</div></div>    |  <div><b>C8051F826-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>C8051F822-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>C8051F821-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>C8051F825-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>C8051F824-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>C8051F822-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>C8051F824-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>C8051F823-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>C8051F825-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: 47 pcs<br/><div>RFQ</div></div>     |