



Energy Micro (Silicon Labs)



C8051F816-GS

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F816-GS                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 8KB FLASH 16SOIC                                                                                 |
| Datasheets:         |  C8051F816-GS.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.

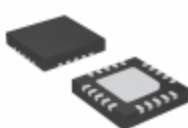
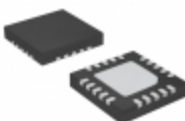
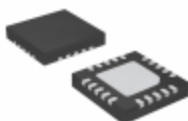
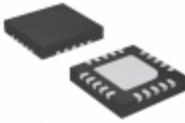
Specifications of C8051F816-GS

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F816-GS                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 16SOIC                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| DATA SHEET                       |  C8051F816-GS.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 16-SOIC                                                                                              |
| 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                        | Tube                                                                                                 |
| PACKAGE / CASE                   | 16-SOIC (0.154", 3.90mm Width)                                                                       |
| OTHER NAMES                      | 336-1791-5<br>C8051F816GS                                                                            |
| 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 C8051F81x Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH 16-SOIC                             |
| DATA CONVERTERS                  | A/D 12x10b                                                                                           |
| CORE SIZE                        | 8-Bit                                                                                                |
| CORE PROCESSOR                   | 8051                                                                                                 |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), SPI, UART/USART                                                                  |
| BASE PART NUMBER                 | C8051F81                                                                                             |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F816-GS | C8051F816-GS Distributor             | C8051F816-GS Supplier                        |
| C8051F816-GS Price                       | C8051F816-GS Pictures                | C8051F816-GS Image                           |
| C8051F816-GS PDF Datasheet               | C8051F816-GS Download Datasheet      | C8051F816-GS Datasheet                       |
| C8051F816-GS Stock                       | Buy C8051F816-GS                     | Buy Energy Micro (Silicon Labs) C8051F816-GS |
| Energy Micro (Silicon Labs) C8051F816-GS | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F816-GS | Energy Micro C8051F816-GS            | Energy Micro (Silicon Labs) C8051F816-GS     |
| Silicon Laboratories C8051F816-GS        | Silicon Labs C8051F816-GS            |                                              |

Related Products

|                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><b>C8051F814-GUR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QSOP<br/>In stock: Out stock<br/>RFQ</div></div> | <div><div><b>C8051F814-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: Out stock<br/>RFQ</div></div>  |
| <div><div><b>C8051F817-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/>RFQ</div></div> | <div><div><b>C8051F814-GU</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QSOP<br/>In stock: Out stock<br/>RFQ</div></div>  |
| <div><div><b>C8051F814-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: Out stock<br/>RFQ</div></div>   | <div><div><b>C8051F818-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 20QFN<br/>In stock: Out stock<br/>RFQ</div></div>  |
| <div><div><b>C8051F817-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/>RFQ</div></div>  | <div><div><b>C8051F815-GS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/>RFQ</div></div>  |
| <div><div><b>C8051F815-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/>RFQ</div></div> | <div><div><b>C8051F816-GSR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: Out stock<br/>RFQ</div></div> |
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