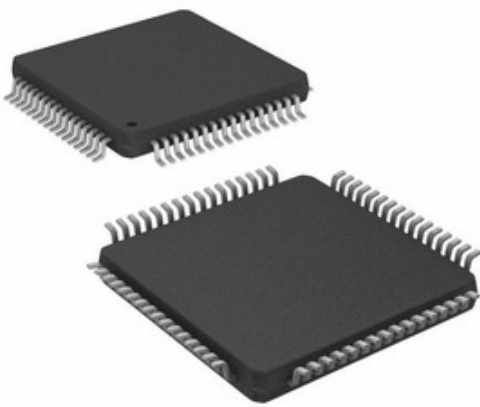




Energy Micro (Silicon Labs)



C8051F015

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F015                                                                                                            |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                          |
| Product description | IC MCU 8BIT 32KB FLASH 64TQFP                                                                                        |
| Datasheets:         |  C8051F015.pdf                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

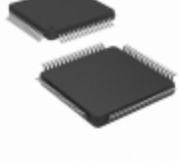
Specifications of C8051F015

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F015                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                       |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 64TQFP                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                |
| DATA SHEET                       |  C8051F015.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                   |
| SPEED                            | 25MHz                                                                                             |
| SERIES                           | C8051F01x                                                                                         |
| 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                   | 64-TQFP                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                 |
| NUMBER OF I/O                    | 32                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                |
| EEPROM SIZE                      | -                                                                                                 |
| DETAILED DESCRIPTION             | 8051 C8051F01x Microcontroller IC 8-Bit 25MHz 32KB (32K x 8) FLASH 64-TQFP (10x10)                |
| DATA CONVERTERS                  | A/D 8x10b; D/A 2x12b                                                                              |
| CORE SIZE                        | 8-Bit                                                                                             |
| CORE PROCESSOR                   | 8051                                                                                              |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), SPI, UART/USART                                                               |
| BASE PART NUMBER                 | C8051F01                                                                                          |

Related Tags

|                                       |                                      |                                           |
|---------------------------------------|--------------------------------------|-------------------------------------------|
| Energy Micro (Silicon Labs) C8051F015 | C8051F015 Distributor                | C8051F015 Supplier                        |
| C8051F015 Price                       | C8051F015 Pictures                   | C8051F015 Image                           |
| C8051F015 PDF Datasheet               | C8051F015 Download Datasheet         | C8051F015 Datasheet                       |
| C8051F015 Stock                       | Buy C8051F015                        | Buy Energy Micro (Silicon Labs) C8051F015 |
| Energy Micro (Silicon Labs) C8051F015 | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor   |
| Energy Micro (Silicon Labs) C8051F015 | Energy Micro C8051F015               | Energy Micro (Silicon Labs) C8051F015     |
| Silicon Laboratories C8051F015        | Silicon Labs C8051F015               |                                           |

Related Products

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>C8051F016-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFP<br/>In stock: 124 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>C8051F015-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 64TQFP<br/>In stock: 889 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>C8051F012R</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>C8051F015R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 64TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
| <div></div> <div><b>C8051F015-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFP<br/>In stock: 280 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>C8051F016</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>      |
| <div></div> <div><b>C8051F012</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>C8051F015-TB</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BOARD PROTOTYPING W/C8051F015<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>C8051F011R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    | <div></div> <div><b>C8051F011-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>C8051F012-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>C8051F012-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> |