



C8051F044

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F044                                                                                                            |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                          |
| Product description | IC MCU 8BIT 64KB FLASH 100TQFP                                                                                       |
| Datasheets:         |  C8051F044.pdf                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 4482 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of C8051F044

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F044                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                       |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 100TQFP                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                |
| QUANTITY AVAILABLE               | 4482 pcs                                                                                          |
| DATA SHEET                       |  C8051F044.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (14x14)                                                                                  |
| SPEED                            | 25MHz                                                                                             |
| SERIES                           | C8051F04x                                                                                         |
| RAM SIZE                         | 4.25K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                             |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                    |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                                                |
| PACKAGING                        | Tray                                                                                              |
| PACKAGE / CASE                   | 100-TQFP                                                                                          |
| OTHER NAMES                      | 336-1156                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                 |
| NUMBER OF I/O                    | 64                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                |
| EEPROM SIZE                      | -                                                                                                 |
| DETAILED DESCRIPTION             | 8051 C8051F04x Microcontroller IC 8-Bit 25MHz 64KB (64K x 8) FLASH 100-TQFP (14x14)               |
| DATA CONVERTERS                  | A/D 13x10b                                                                                        |
| CORE SIZE                        | 8-Bit                                                                                             |
| CORE PROCESSOR                   | 8051                                                                                              |
| CONNECTIVITY                     | CANbus, EBI/EMI, SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                                 |
| BASE PART NUMBER                 | C8051F04                                                                                          |

Related Tags

|                                       |                                      |                                           |
|---------------------------------------|--------------------------------------|-------------------------------------------|
| Energy Micro (Silicon Labs) C8051F044 | C8051F044 Distributor                | C8051F044 Supplier                        |
| C8051F044 Price                       | C8051F044 Pictures                   | C8051F044 Image                           |
| C8051F044 PDF Datasheet               | C8051F044 Download Datasheet         | C8051F044 Datasheet                       |
| C8051F044 Stock                       | Buy C8051F044                        | Buy Energy Micro (Silicon Labs) C8051F044 |
| Energy Micro (Silicon Labs) C8051F044 | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor   |
| Energy Micro (Silicon Labs) C8051F044 | Energy Micro C8051F044               | Energy Micro (Silicon Labs) C8051F044     |
| Silicon Laboratories C8051F044        | Silicon Labs C8051F044               |                                           |

Related Products

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                 |
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| <div><div>SILICON LABS</div></div> <div><b>C8051F045-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 12252 pcs<br/><div>RFQ</div></div> | <div><div>SILICON LABS</div></div> <div><b>C8051F043-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 10229 pcs<br/><div>RFQ</div></div>  |
| <div><div>SILICON LABS</div></div> <div><b>C8051F046</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 100TQFP<br/>In stock: 2901 pcs<br/><div>RFQ</div></div>     | <div><div>SILICON LABS</div></div> <div><b>C8051F043-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 10799 pcs<br/><div>RFQ</div></div>   |
| <div><div>SILICON LABS</div></div> <div><b>C8051F042R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 7054 pcs<br/><div>RFQ</div></div>    | <div><div>SILICON LABS</div></div> <div><b>C8051F045</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 5296 pcs<br/><div>RFQ</div></div>       |
| <div><div>SILICON LABS</div></div> <div><b>C8051F042-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 7968 pcs<br/><div>RFQ</div></div> | <div><div>SILICON LABS</div></div> <div><b>C8051F043</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 4144 pcs<br/><div>RFQ</div></div>       |
| <div><div>SILICON LABS</div></div> <div><b>C8051F044-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 12494 pcs<br/><div>RFQ</div></div> | <div><div>SILICON LABS</div></div> <div><b>C8051F044-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 11948 pcs<br/><div>RFQ</div></div> |
| <div><div>SILICON LABS</div></div> <div><b>C8051F043R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 5788 pcs<br/><div>RFQ</div></div>     | <div><div>SILICON LABS</div></div> <div><b>C8051F045-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 11873 pcs<br/><div>RFQ</div></div>   |