



C8051F542-IM

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F542-IM                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 16KB FLASH 24QFN                                                                                 |
|                     | <a href="#">PDF</a> 1.C8051F542-IM.pdf                                                                       |
|                     | <a href="#">PDF</a> 2.C8051F542-IM.pdf                                                                       |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

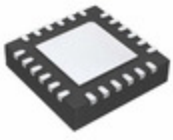
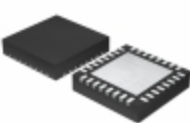
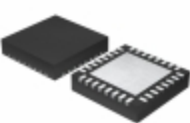
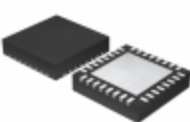
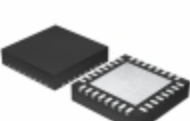
Specifications of C8051F542-IM

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F542-IM                                                                     |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                      |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 24QFN                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| DATA SHEET                       | <a href="#">PDF</a> 1.C8051F542-IM.pdf<br><a href="#">PDF</a> 2.C8051F542-IM.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.25 V                                                                   |
| SUPPLIER DEVICE PACKAGE          | 24-QFN (4x4)                                                                     |
| SPEED                            | 50MHz                                                                            |
| SERIES                           | C8051F54x                                                                        |
| RAM SIZE                         | 1.25K x 8                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                            |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                   |
| PERIPHERALS                      | POR, PWM, Temp Sensor, WDT                                                       |
| PACKAGING                        | Tube                                                                             |
| PACKAGE / CASE                   | 24-WFQFN Exposed Pad                                                             |
| OTHER NAMES                      | 336-1675-5<br>C8051F542IM                                                        |
| OSCILLATOR TYPE                  | Internal                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                               |
| NUMBER OF I/O                    | 18                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                    |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| EEPROM SIZE                      | -                                                                                |
| DETAILED DESCRIPTION             | 8051 C8051F54x Microcontroller IC 8-Bit 50MHz 16KB (16K x 8) FLASH 24-QFN (4x4)  |
| DATA CONVERTERS                  | A/D 18x12b                                                                       |
| CORE SIZE                        | 8-Bit                                                                            |
| CORE PROCESSOR                   | 8051                                                                             |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), LINbus, SPI, UART/USART                                      |
| BASE PART NUMBER                 | C8051F54                                                                         |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F542-IM | C8051F542-IM Distributor             | C8051F542-IM Supplier                        |
| C8051F542-IM Price                       | C8051F542-IM Pictures                | C8051F542-IM Image                           |
| C8051F542-IM PDF Datasheet               | C8051F542-IM Download Datasheet      | C8051F542-IM Datasheet                       |
| C8051F542-IM Stock                       | Buy C8051F542-IM                     | Buy Energy Micro (Silicon Labs) C8051F542-IM |
| Energy Micro (Silicon Labs) C8051F542-IM | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F542-IM | Energy Micro C8051F542-IM            | Energy Micro (Silicon Labs) C8051F542-IM     |
| Silicon Laboratories C8051F542-IM        | Silicon Labs C8051F542-IM            |                                              |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                   |
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|  <div><b>C8051F541-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 250 pcs<br/><a href="#">RFQ</a></div>   |  <div><b>C8051F543-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QFN<br/>In stock: 51 pcs<br/><a href="#">RFQ</a></div>      |
|  <div><b>C8051F544-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |  <div><b>C8051F541-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: 511 pcs<br/><a href="#">RFQ</a></div>     |
|  <div><b>C8051F543-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>C8051F540DK</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: KIT DEVELOPMENT FOR C8051F540<br/>In stock: 1 pcs<br/><a href="#">RFQ</a></div>       |
|  <div><b>C8051F541-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>C8051F540-TB</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BOARD PROTOTYPE W/C8051F540<br/>In stock: 1 pcs<br/><a href="#">RFQ</a></div>        |
|  <div><b>C8051F542-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>C8051F544-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |
|  <div><b>C8051F544-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32LQFP<br/>In stock: 536 pcs<br/><a href="#">RFQ</a></div>    |  <div><b>C8051F541-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |