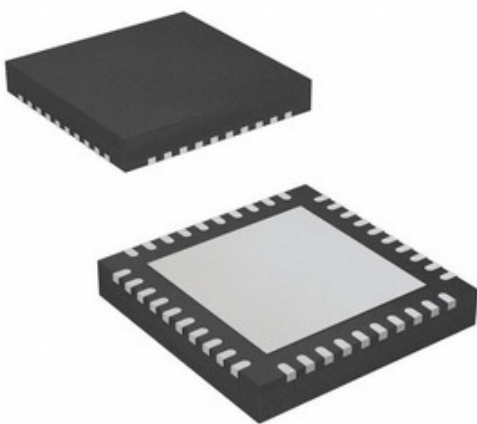




Energy Micro (Silicon Labs)



C8051F508-IM

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F508-IM                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 64KB FLASH 40QFN                                                                                 |
| Datasheets:         | <a href="#">1.C8051F508-IM.pdf</a><br><a href="#">2.C8051F508-IM.pdf</a>                                     |
| 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.

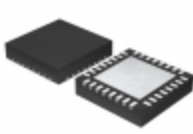
Specifications of C8051F508-IM

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F508-IM                                                                    |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                     |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 40QFN                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                      |
| DATA SHEET                       | <a href="#">1.C8051F508-IM.pdf</a><br><a href="#">2.C8051F508-IM.pdf</a>        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.25 V                                                                  |
| SUPPLIER DEVICE PACKAGE          | 40-QFN (6x6)                                                                    |
| SPEED                            | 50MHz                                                                           |
| SERIES                           | C8051F50x                                                                       |
| RAM SIZE                         | 4.25K x 8                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                           |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                  |
| PERIPHERALS                      | POR, PWM, Temp Sensor, WDT                                                      |
| PACKAGING                        | Tube                                                                            |
| PACKAGE / CASE                   | 40-VFQFN Exposed Pad                                                            |
| OTHER NAMES                      | 336-1560-5                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                              |
| NUMBER OF I/O                    | 33                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                   |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                      |
| EEPROM SIZE                      | -                                                                               |
| DETAILED DESCRIPTION             | 8051 C8051F50x Microcontroller IC 8-Bit 50MHz 64KB (64K x 8) FLASH 40-QFN (6x6) |
| DATA CONVERTERS                  | A/D 32x12b                                                                      |
| CORE SIZE                        | 8-Bit                                                                           |
| CORE PROCESSOR                   | 8051                                                                            |
| CONNECTIVITY                     | EBI/EMI, SMBus (2-Wire/I <sup>2</sup> C), CANbus, LINbus, SPI, UART/USART       |
| BASE PART NUMBER                 | C8051F50                                                                        |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F508-IM | C8051F508-IM Distributor             | C8051F508-IM Supplier                        |
| C8051F508-IM Price                       | C8051F508-IM Pictures                | C8051F508-IM Image                           |
| C8051F508-IM PDF Datasheet               | C8051F508-IM Download Datasheet      | C8051F508-IM Datasheet                       |
| C8051F508-IM Stock                       | Buy C8051F508-IM                     | Buy Energy Micro (Silicon Labs) C8051F508-IM |
| Energy Micro (Silicon Labs) C8051F508-IM | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F508-IM | Energy Micro C8051F508-IM            | Energy Micro (Silicon Labs) C8051F508-IM     |
| Silicon Laboratories C8051F508-IM        | Silicon Labs C8051F508-IM            |                                              |

Related Products



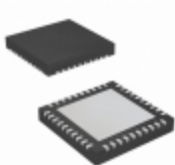
**C8051F507-IM**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32QFN

In stock: Out stock

RFQ



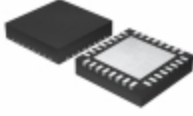
**C8051F511-IM**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 40QFN

In stock: Out stock

RFQ



**C8051F507-IMR**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32QFN

In stock: Out stock

RFQ



**C8051F506-IQR**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32LQFP

In stock: 500 pcs

RFQ



**C8051F507-IQ**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32LQFP

In stock: 64 pcs

RFQ



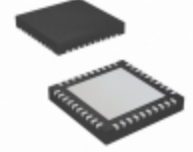
**C8051F506-IQ**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32LQFP

In stock: 322 pcs

RFQ



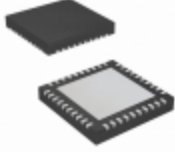
**C8051F508-IMR**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 64KB FLASH 40QFN

In stock: Out stock

RFQ



**C8051F509-IM**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 64KB FLASH 40QFN

In stock: 50 pcs

RFQ



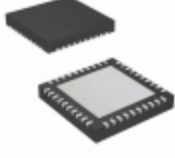
**C8051F507-IQR**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32LQFP

In stock: Out stock

RFQ



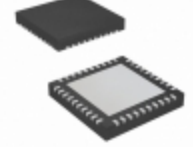
**C8051F510-IM**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 40QFN

In stock: Out stock

RFQ



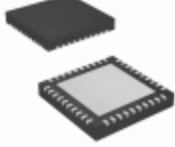
**C8051F510-IMR**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 40QFN

In stock: Out stock

RFQ



**C8051F509-IMR**

Manufacturers: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 64KB FLASH 40QFN

In stock: Out stock

RFQ