



SILICON LABS

Energy Micro (Silicon Labs)



C8051F537-C-IMR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F537-C-IMR                                                                                              |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 2KB FLASH 20QFN                                                                                  |
| Datasheets:         |  C8051F537-C-IMR.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 43633 pcs stock                                                                                              |
| 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 C8051F537-C-IMR

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F537-C-IMR                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                             |
| DESCRIPTION                      | IC MCU 8BIT 2KB FLASH 20QFN                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 43633 pcs                                                                                               |
| DATA SHEET                       |  C8051F537-C-IMR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 5.25 V                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 20-QFN (4x4)                                                                                            |
| SPEED                            | 25MHz                                                                                                   |
| SERIES                           | C8051F53x                                                                                               |
| RAM SIZE                         | 256 x 8                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE              | 2KB (2K x 8)                                                                                            |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                        |
| PACKAGE / CASE                   | 20-VFQFN Exposed Pad                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                      |
| NUMBER OF I/O                    | 16                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| EEPROM SIZE                      | -                                                                                                       |
| DETAILED DESCRIPTION             | 8051 C8051F53x Microcontroller IC 8-Bit 25MHz 2KB (2K x 8) FLASH 20-QFN (4x4)                           |
| DATA CONVERTERS                  | A/D 16x12b                                                                                              |
| CORE SIZE                        | 8-Bit                                                                                                   |
| CORE PROCESSOR                   | 8051                                                                                                    |
| CONNECTIVITY                     | SPI, UART/USART                                                                                         |

Related Tags

|                                             |                                      |                                                 |
|---------------------------------------------|--------------------------------------|-------------------------------------------------|
| Energy Micro (Silicon Labs) C8051F537-C-IMR | C8051F537-C-IMR Distributor          | C8051F537-C-IMR Supplier                        |
| C8051F537-C-IMR Price                       | C8051F537-C-IMR Pictures             | C8051F537-C-IMR Image                           |
| C8051F537-C-IMR PDF Datasheet               | C8051F537-C-IMR Download Datasheet   | C8051F537-C-IMR Datasheet                       |
| C8051F537-C-IMR Stock                       | Buy C8051F537-C-IMR                  | Buy Energy Micro (Silicon Labs) C8051F537-C-IMR |
| Energy Micro (Silicon Labs) C8051F537-C-IMR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor         |
| Energy Micro (Silicon Labs) C8051F537-C-IMR | Energy Micro C8051F537-C-IMR         | Energy Micro (Silicon Labs) C8051F537-C-IMR     |
| Silicon Laboratories C8051F537-C-IMR        | Silicon Labs C8051F537-C-IMR         |                                                 |

Related Products

|                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F536A-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20QFN<br/>In stock: 51641 pcs<br/>RFQ</div>   |  <div><b>C8051F537-C-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20QFN<br/>In stock: 43487 pcs<br/>RFQ</div>    |
|  <div><b>C8051F536-IT</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20TSSOP<br/>In stock: 3414 pcs<br/>RFQ</div>   |  <div><b>C8051F537-C-IT</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20TSSOP<br/>In stock: 28827 pcs<br/>RFQ</div>  |
|  <div><b>C8051F537A-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20QFN<br/>In stock: 61557 pcs<br/>RFQ</div>  |  <div><b>C8051F537-C-ITR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20TSSOP<br/>In stock: 42035 pcs<br/>RFQ</div> |
|  <div><b>C8051F537-IT</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20TSSOP<br/>In stock: 5482 pcs<br/>RFQ</div>   |  <div><b>C8051F536A-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20QFN<br/>In stock: 57115 pcs<br/>RFQ</div>    |
|  <div><b>C8051F537-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20QFN<br/>In stock: 3857 pcs<br/>RFQ</div>     |  <div><b>C8051F536A-ITR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20TSSOP<br/>In stock: 55042 pcs<br/>RFQ</div>  |
|  <div><b>C8051F536A-IT</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20TSSOP<br/>In stock: 40755 pcs<br/>RFQ</div> |  <div><b>C8051F537A-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 20QFN<br/>In stock: 48221 pcs<br/>RFQ</div>     |