



Energy Micro (Silicon Labs)

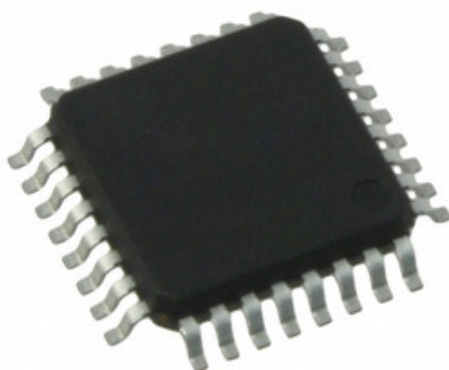


Image may be representation. See specifications for product details.

### C8051F545-IQR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F545-IQR                                                                                                |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 8KB FLASH 32LQFP                                                                                 |
|                     |  1.C8051F545-IQR.pdf        |
|                     |  2.C8051F545-IQR.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 23333 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

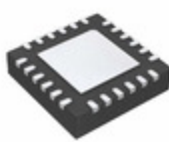
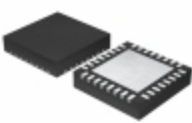
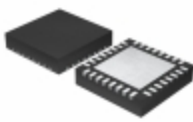
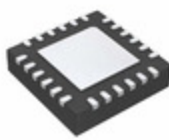
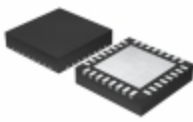
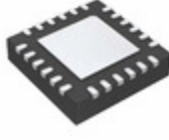
#### Specifications of C8051F545-IQR

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F545-IQR                                                                                                                                                                                                      |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 32LQFP                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 23333 pcs                                                                                                                                                                                                          |
| DATA SHEET                       |  1.C8051F545-IQR.pdf<br> 2.C8051F545-IQR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.25 V                                                                                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 32-LQFP (7x7)                                                                                                                                                                                                      |
| SPEED                            | 50MHz                                                                                                                                                                                                              |
| SERIES                           | C8051F54x                                                                                                                                                                                                          |
| RAM SIZE                         | 1.25K x 8                                                                                                                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                                                                                                                                       |
| PERIPHERALS                      | POR, PWM, Temp Sensor, WDT                                                                                                                                                                                         |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 32-LQFP                                                                                                                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                 |
| NUMBER OF I/O                    | 25                                                                                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| EEPROM SIZE                      | -                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | 8051 C8051F54x Microcontroller IC 8-Bit 50MHz 8KB (8K x 8) FLASH 32-LQFP (7x7)                                                                                                                                     |
| DATA CONVERTERS                  | A/D 25x12b                                                                                                                                                                                                         |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                              |
| CORE PROCESSOR                   | 8051                                                                                                                                                                                                               |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), LINbus, SPI, UART/USART                                                                                                                                                                        |

#### Related Tags

|                                           |                                      |                                               |
|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F545-IQR | C8051F545-IQR Distributor            | C8051F545-IQR Supplier                        |
| C8051F545-IQR Price                       | C8051F545-IQR Pictures               | C8051F545-IQR Image                           |
| C8051F545-IQR PDF Datasheet               | C8051F545-IQR Download Datasheet     | C8051F545-IQR Datasheet                       |
| C8051F545-IQR Stock                       | Buy C8051F545-IQR                    | Buy Energy Micro (Silicon Labs) C8051F545-IQR |
| Energy Micro (Silicon Labs) C8051F545-IQR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) C8051F545-IQR | Energy Micro C8051F545-IQR           | Energy Micro (Silicon Labs) C8051F545-IQR     |
| Silicon Laboratories C8051F545-IQR        | Silicon Labs C8051F545-IQR           |                                               |

#### Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F550-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 24QFN<br/>In stock: 22584 pcs</div> <div>RFQ</div>  |  <div><b>C8051F545-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 21483 pcs</div> <div>RFQ</div>  |
|  <div><b>C8051F545-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 28839 pcs</div> <div>RFQ</div>  |  <div><b>C8051F546-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QFN<br/>In stock: 26656 pcs</div> <div>RFQ</div> |
|  <div><b>C8051F544-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32LQFP<br/>In stock: 21354 pcs</div> <div>RFQ</div> |  <div><b>C8051F546-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QFN<br/>In stock: 24707 pcs</div> <div>RFQ</div>  |
|  <div><b>C8051F550-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 24QFN<br/>In stock: 25915 pcs</div> <div>RFQ</div> |  <div><b>C8051F547-IM</b><br/>Manufacturers: Silicon Labs<br/>Description: IC MCU 8BIT 8KB FLASH 24QFN<br/>In stock: 33723 pcs</div> <div>RFQ</div>                 |
|  <div><b>C8051F544-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 27042 pcs</div> <div>RFQ</div>  |  <div><b>C8051F544-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32LQFP<br/>In stock: 19816 pcs</div> <div>RFQ</div> |
|  <div><b>C8051F547-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 24QFN<br/>In stock: 34304 pcs</div> <div>RFQ</div>  |  <div><b>C8051F545-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32LQFP<br/>In stock: 17311 pcs</div> <div>RFQ</div> |