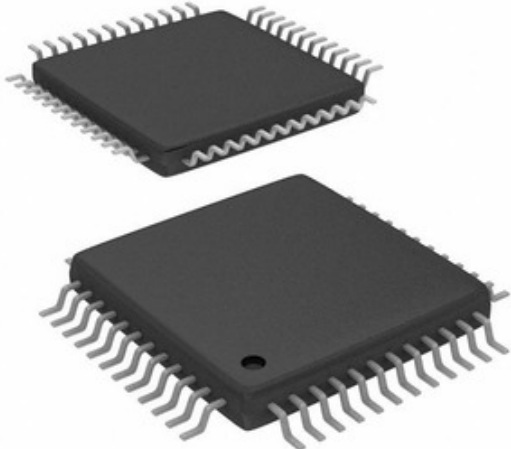




Energy Micro (Silicon Labs)



C8051F505-IQ

|                     |                                                                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F505-IQ                                                                                                                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                                                                                                                  |
| Product description | IC MCU 8BIT 32KB FLASH 48TQFP                                                                                                                                                                                |
| Datasheets:         |  1.C8051F505-IQ.pdf<br> 2.C8051F505-IQ.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                 |
| Stock Condition     | 16390 pcs stock                                                                                                                                                                                              |
| Ship From           | Hong Kong                                                                                                                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                        |

REQUEST FOR QUOTATION

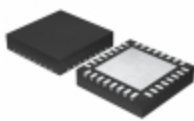
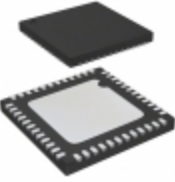
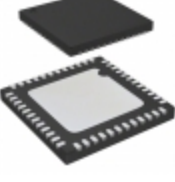
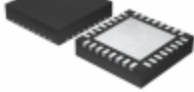
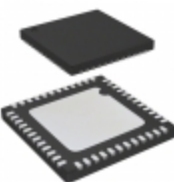
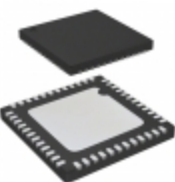
Specifications of C8051F505-IQ

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F505-IQ                                                                                                                                                                                                     |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 48TQFP                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 16390 pcs                                                                                                                                                                                                        |
| DATA SHEET                       |  1.C8051F505-IQ.pdf<br> 2.C8051F505-IQ.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.25 V                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 48-QFP (7x7)                                                                                                                                                                                                     |
| SPEED                            | 50MHz                                                                                                                                                                                                            |
| SERIES                           | C8051F50x                                                                                                                                                                                                        |
| RAM SIZE                         | 4.25K x 8                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                                                                                                   |
| PERIPHERALS                      | POR, PWM, Temp Sensor, WDT                                                                                                                                                                                       |
| PACKAGING                        | Tray                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 48-TQFP                                                                                                                                                                                                          |
| OTHER NAMES                      | 336-1520<br>C8051F505IQ                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                               |
| NUMBER OF I/O                    | 40                                                                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                       |
| EEPROM SIZE                      | -                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | 8051 C8051F50x Microcontroller IC 8-Bit 50MHz 32KB (32K x 8) FLASH 48-QFP (7x7)                                                                                                                                  |
| DATA CONVERTERS                  | A/D 32x12b                                                                                                                                                                                                       |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                            |
| CORE PROCESSOR                   | 8051                                                                                                                                                                                                             |
| CONNECTIVITY                     | EBI/EMI, SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                                                                                                                                                        |
| BASE PART NUMBER                 | C8051F50                                                                                                                                                                                                         |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F505-IQ | C8051F505-IQ Distributor             | C8051F505-IQ Supplier                        |
| C8051F505-IQ Price                       | C8051F505-IQ Pictures                | C8051F505-IQ Image                           |
| C8051F505-IQ PDF Datasheet               | C8051F505-IQ Download Datasheet      | C8051F505-IQ Datasheet                       |
| C8051F505-IQ Stock                       | Buy C8051F505-IQ                     | Buy Energy Micro (Silicon Labs) C8051F505-IQ |
| Energy Micro (Silicon Labs) C8051F505-IQ | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F505-IQ | Energy Micro C8051F505-IQ            | Energy Micro (Silicon Labs) C8051F505-IQ     |
| Silicon Laboratories C8051F505-IQ        | Silicon Labs C8051F505-IQ            |                                              |

Related Products

|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F507-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: 18191 pcs<br/><b>RFQ</b></div>   |  <div><b>C8051F504-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFN<br/>In stock: 18206 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F506-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: 13524 pcs<br/><b>RFQ</b></div> |  <div><b>C8051F506-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32LQFP<br/>In stock: 16289 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F504-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48TQFP<br/>In stock: 17375 pcs<br/><b>RFQ</b></div> |  <div><b>C8051F504-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFN<br/>In stock: 14524 pcs<br/><b>RFQ</b></div>  |
|  <div><b>C8051F504-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48TQFP<br/>In stock: 14468 pcs<br/><b>RFQ</b></div>  |  <div><b>C8051F506-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: 19545 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F505-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFN<br/>In stock: 15984 pcs<br/><b>RFQ</b></div>   |  <div><b>C8051F505-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48QFN<br/>In stock: 20591 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F505-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 48TQFP<br/>In stock: 19670 pcs<br/><b>RFQ</b></div> |  <div><b>C8051F506-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 32KB FLASH 32QFN<br/>In stock: 17823 pcs<br/><b>RFQ</b></div>  |