



C8051F581-IQR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F581-IQR                                                                                                |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 128KB FLASH 48TQFP                                                                               |
| Datasheets:         | <a href="#">1.C8051F581-IQR.pdf</a><br><a href="#">2.C8051F581-IQR.pdf</a>                                   |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 12791 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

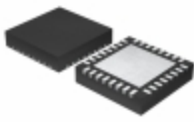
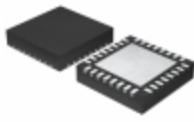
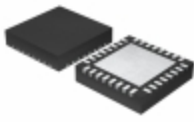
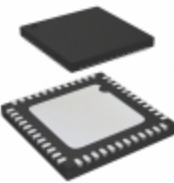
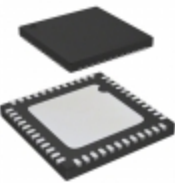
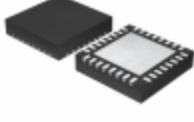
Specifications of C8051F581-IQR

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F581-IQR                                                                     |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                       |
| DESCRIPTION                      | IC MCU 8BIT 128KB FLASH 48TQFP                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                        |
| QUANTITY AVAILABLE               | 12791 pcs                                                                         |
| DATA SHEET                       | <a href="#">1.C8051F581-IQR.pdf</a><br><a href="#">2.C8051F581-IQR.pdf</a>        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.25 V                                                                    |
| SUPPLIER DEVICE PACKAGE          | 48-QFP (7x7)                                                                      |
| SPEED                            | 50MHz                                                                             |
| SERIES                           | C8051F58x                                                                         |
| RAM SIZE                         | 8.25K x 8                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                             |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                  |
| PERIPHERALS                      | POR, PWM, Temp Sensor, WDT                                                        |
| PACKAGING                        | Tape & Reel (TR)                                                                  |
| PACKAGE / CASE                   | 48-TQFP                                                                           |
| OTHER NAMES                      | 336-4821-2<br>C8051F581-IQR-ND                                                    |
| 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 C8051F58x Microcontroller IC 8-Bit 50MHz 128KB (128K 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                         |

Related Tags

|                                           |                                      |                                               |
|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F581-IQR | C8051F581-IQR Distributor            | C8051F581-IQR Supplier                        |
| C8051F581-IQR Price                       | C8051F581-IQR Pictures               | C8051F581-IQR Image                           |
| C8051F581-IQR PDF Datasheet               | C8051F581-IQR Download Datasheet     | C8051F581-IQR Datasheet                       |
| C8051F581-IQR Stock                       | Buy C8051F581-IQR                    | Buy Energy Micro (Silicon Labs) C8051F581-IQR |
| Energy Micro (Silicon Labs) C8051F581-IQR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) C8051F581-IQR | Energy Micro C8051F581-IQR           | Energy Micro (Silicon Labs) C8051F581-IQR     |
| Silicon Laboratories C8051F581-IQR        | Silicon Labs C8051F581-IQR           |                                               |

Related Products

|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F582-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 32LQFP<br/>In stock: 11294 pcs<br/><b>RFQ</b></div> |  <div><b>C8051F582-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 32QFN<br/>In stock: 14036 pcs<br/><b>RFQ</b></div>  |
|  <div><b>C8051F580DK</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: KIT DEV C8051F58X/59X MCU FAMILY<br/>In stock: 874 pcs<br/><b>RFQ</b></div>   |  <div><b>C8051F580-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 48TQFP<br/>In stock: 12839 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F582-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 32LQFP<br/>In stock: 10020 pcs<br/><b>RFQ</b></div>  |  <div><b>C8051F580-TB-K</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BOARD TARGET C8051F58X MCU FAM<br/>In stock: 2096 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F583-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 48QFN<br/>In stock: 8474 pcs<br/><b>RFQ</b></div>   |  <div><b>C8051F582-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 32QFN<br/>In stock: 9786 pcs<br/><b>RFQ</b></div>    |
|  <div><b>C8051F581-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 48QFN<br/>In stock: 11095 pcs<br/><b>RFQ</b></div>   |  <div><b>C8051F581-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 48QFN<br/>In stock: 13900 pcs<br/><b>RFQ</b></div>  |
|  <div><b>C8051F581-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 48TQFP<br/>In stock: 10947 pcs<br/><b>RFQ</b></div>  |  <div><b>C8051F583-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 32QFN<br/>In stock: 9949 pcs<br/><b>RFQ</b></div>    |