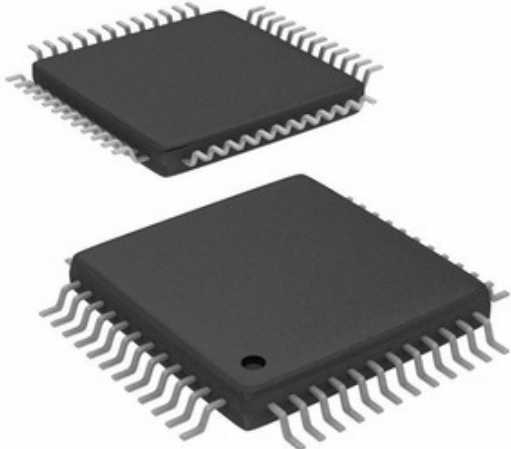




Energy Micro (Silicon Labs)



C8051F580-IQ

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| Part Number:        | C8051F580-IQ                                                                            |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                             |
| Product description | IC MCU 8BIT 128KB FLASH 48TQFP                                                          |
| Datasheets:         | <div><div>PDF</div>1.C8051F580-IQ.pdf</div> <div><div>PDF</div>2.C8051F580-IQ.pdf</div> |
| RoHs Status         | <div><div>RoHS</div>Lead free / RoHS Compliant</div>                                    |
| Stock Condition     | 9416 pcs stock                                                                          |
| Ship From           | Hong Kong                                                                               |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                   |

REQUEST FOR QUOTATION

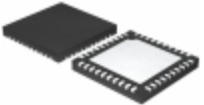
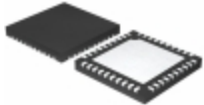
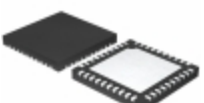
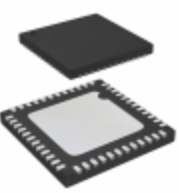
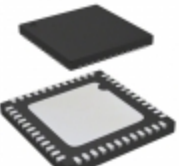
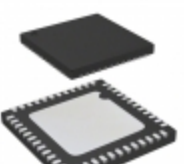
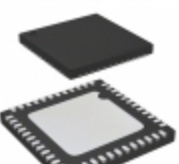
Specifications of C8051F580-IQ

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F580-IQ                                                                            |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                             |
| DESCRIPTION                      | IC MCU 8BIT 128KB FLASH 48TQFP                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                              |
| QUANTITY AVAILABLE               | 9416 pcs                                                                                |
| DATA SHEET                       | <div><div>PDF</div>1.C8051F580-IQ.pdf</div> <div><div>PDF</div>2.C8051F580-IQ.pdf</div> |
| 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                        | Tray                                                                                    |
| PACKAGE / CASE                   | 48-TQFP                                                                                 |
| OTHER NAMES                      | 336-1564<br>C8051F580IQ                                                                 |
| 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), CANbus, LINbus, SPI, UART/USART               |
| BASE PART NUMBER                 | C8051F58                                                                                |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F580-IQ | C8051F580-IQ Distributor             | C8051F580-IQ Supplier                        |
| C8051F580-IQ Price                       | C8051F580-IQ Pictures                | C8051F580-IQ Image                           |
| C8051F580-IQ PDF Datasheet               | C8051F580-IQ Download Datasheet      | C8051F580-IQ Datasheet                       |
| C8051F580-IQ Stock                       | Buy C8051F580-IQ                     | Buy Energy Micro (Silicon Labs) C8051F580-IQ |
| Energy Micro (Silicon Labs) C8051F580-IQ | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F580-IQ | Energy Micro C8051F580-IQ            | Energy Micro (Silicon Labs) C8051F580-IQ     |
| Silicon Laboratories C8051F580-IQ        | Silicon Labs C8051F580-IQ            |                                              |

Related Products

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></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/><div>RFQ</div></div> | <div></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/><div>RFQ</div></div> |
| <div></div> <div><b>C8051F575-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 40QFN<br/>In stock: 16330 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>C8051F575-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 40QFN<br/>In stock: 19818 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>C8051F574-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 40QFN<br/>In stock: 19895 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>C8051F580-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 48QFN<br/>In stock: 9750 pcs<br/><div>RFQ</div></div>    |
| <div></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/><div>RFQ</div></div>   | <div></div> <div><b>C8051F574-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 40QFN<br/>In stock: 20574 pcs<br/><div>RFQ</div></div>   |
| <div></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/><div>RFQ</div></div>  | <div></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/><div>RFQ</div></div>   |
| <div></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/><div>RFQ</div></div>  | <div></div> <div><b>C8051F580-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 48QFN<br/>In stock: 12764 pcs<br/><div>RFQ</div></div>  |