

C8051F560-IMR





SILICON LABS

Part Number: C8051F560-IMR

Manufacturer: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32QFN

Data sheet:  C8051F55x, 56x, 57x Errata  
 C8051F55x, 56x, 57x Datasheet

RoHs Status: Lead free / RoHS Compliant

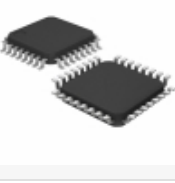
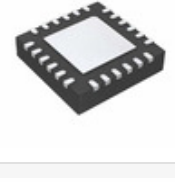
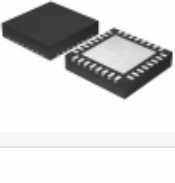
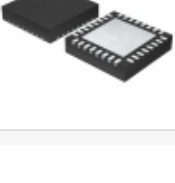
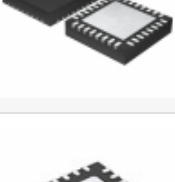
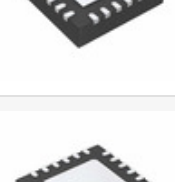
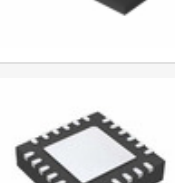
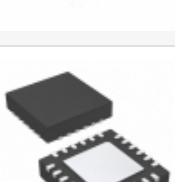
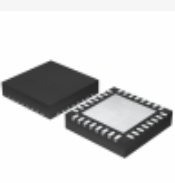
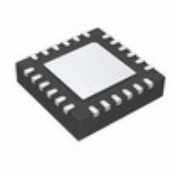
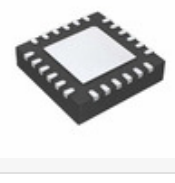
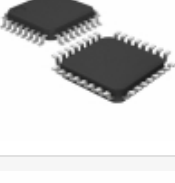
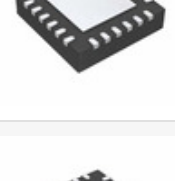
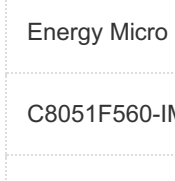
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy C8051F560-IMR with confidence from Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                 |                                 |                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | C8051F560-IMR                                                                   | Manufacturer                    | Energy Micro (Silicon Labs)                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                        | IC MCU 8BIT 32KB FLASH 32QFN                                                    | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                 | 22704 pcs                                                                       | Data sheet                      | C8051F55x, 56x, 57x Errata<br>C8051F55x, 56x, 57x Datasheet |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                           | Integrated Circuits (ICs)                                                       | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 5.25 V                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                            | 32-QFN (5x5)                                                                    | Speed                           | 50MHz                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                             | C8051F56x                                                                       | RAM Size                        | 2.25K x 8                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                | FLASH                                                                           | Program Memory Size             | 32KB (32K x 8)                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                        | POR, PWM, Temp Sensor, WDT                                                      | Packaging                       | Tape & Reel (TR)                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-VFQFN Exposed Pad                                                            | Oscillator Type                 | Internal                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                              | -40°C ~ 125°C (TA)                                                              | Number of I/O                   | 25                                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                   | 1 (Unlimited)                                                                   | Manufacturer Standard Lead Time | 6 Weeks                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                                                      | EEPROM Size                     | -                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                               | 8051 C8051F56x Microcontroller IC 8-Bit 50MHz 32KB (32K x 8) FLASH 32-QFN (5x5) | Data Converters                 | A/D 25x12b                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                          | 8-Bit                                                                           | Core Processor                  | 8051                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                       | SMBus (2-Wire/I <sup>2</sup> C), CANbus, LINbus, SPI, UART/USART                |                                 |                                                             |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Energy Micro (Silicon Labs) series electronic components. We have 22704 pieces of Energy Micro (Silicon Labs) C8051F560-IMR in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                                                                 |                                 |                                                             |

| RELATED PRODUCTS                                                                   |                                                                    |                                            |     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------|-----|
|  | Part#: C8051F560DK<br>Description: KIT DEVELOPMENT FOR C8051F560   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F560-IQ<br>Description: IC MCU 8BIT 32KB FLASH 32LQFP  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F556-IM<br>Description: IC MCU 8BIT 16KB FLASH 24QFN   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F562-IM<br>Description: IC MCU 8BIT 32KB FLASH 32QFN   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F561-IMR<br>Description: IC MCU 8BIT 32KB FLASH 32QFN  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F562-IMR<br>Description: IC MCU 8BIT 32KB FLASH 32QFN  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F553-IMR<br>Description: IC MCU 8BIT 32KB FLASH 24QFN  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F554-IM<br>Description: IC MCU 8BIT 16KB FLASH 24QFN   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F561-IM<br>Description: IC MCU 8BIT 32KB FLASH 32QFN   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F556-IMR<br>Description: IC MCU 8BIT 16KB FLASH 24QFN  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F555-IM<br>Description: IC MCU 8BIT 16KB FLASH 24QFN   | Manufacturers: Silicon Labs                | RFQ |
|  | Part#: C8051F561-IQ<br>Description: IC MCU 8BIT 32KB FLASH 32LQFP  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F561-IQR<br>Description: IC MCU 8BIT 32KB FLASH 32LQFP | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F560-IM<br>Description: IC MCU 8BIT 32KB FLASH 32QFN   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F557-IM<br>Description: IC MCU 8BIT 16KB FLASH 24QFN   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F555-IMR<br>Description: IC MCU 8BIT 16KB FLASH 24QFN  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F560-IQR<br>Description: IC MCU 8BIT 32KB FLASH 32LQFP | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F560-TB-K<br>Description: BOARD PROTOTYPE W/C8051F560  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F554-IMR<br>Description: IC MCU 8BIT 16KB FLASH 24QFN  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F557-IMR<br>Description: IC MCU 8BIT 16KB FLASH 24QFN  | Manufacturers: Energy Micro (Silicon Labs) | RFQ |

Related keywords for C8051F560-IMR

|                                           |                            |                                           |                                    |
|-------------------------------------------|----------------------------|-------------------------------------------|------------------------------------|
| Energy Micro (Silicon Labs) C8051F560-IMR | C8051F560-IMR distributor  | C8051F560-IMR supplier                    | C8051F560-IMR price                |
| C8051F560-IMR download datasheet          | C8051F560-IMR datasheet    | C8051F560-IMR stock                       | buy C8051F560-IMR                  |
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