

C8051F007-GQ



SILICON LABS



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Part Number: C8051F007-GQ

Manufacturer: Energy Micro (Silicon Labs)

Description: IC MCU 8BIT 32KB FLASH 32LQFP

Data sheet:  C8051F0xx

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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Request For Quotation

| PRODUCT PARAMETER              |                                                                                  |                                  |                             |
|--------------------------------|----------------------------------------------------------------------------------|----------------------------------|-----------------------------|
| Part Number                    | C8051F007-GQ                                                                     | Manufacturer                     | Energy Micro (Silicon Labs) |
| Description                    | IC MCU 8BIT 32KB FLASH 32LQFP                                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant  |
| Quantity Available             | 7733 pcs                                                                         | Data sheet                       | C8051F0xx                   |
| Category                       | Integrated Circuits (ICs)                                                        | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 3.6 V               |
| Supplier Device Package        | 32-LQFP (7x7)                                                                    | Speed                            | 25MHz                       |
| Series                         | C8051F00x                                                                        | RAM Size                         | 2.25K x 8                   |
| Program Memory Type            | FLASH                                                                            | Program Memory Size              | 32KB (32K x 8)              |
| Peripherals                    | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                               | Packaging                        | Tray                        |
| Package / Case                 | 32-LQFP                                                                          | Other Names                      | 336-1190<br>C8051F007GQ     |
| Oscillator Type                | Internal                                                                         | Operating Temperature            | -40°C ~ 85°C (TA)           |
| Number of I/O                  | 8                                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)               |
| Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                       | EEPROM Size                      | -                           |
| Detailed Description           | 8051 C8051F00x Microcontroller IC 8-Bit 25MHz 32KB (32K x 8) FLASH 32-LQFP (7x7) | Data Converters                  | A/D 4x12b; D/A 2x12b        |
| Core Size                      | 8-Bit                                                                            | Core Processor                   | 8051                        |
| Connectivity                   | SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                                 | Base Part Number                 | C8051F00                    |

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|------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|-----|
|  | Part#: C8051F011-GQR<br>Description: IC MCU 8BIT 32KB FLASH 48QFP    | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F005DK-U<br>Description: DEV KIT FOR F005/006/007        | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F005DK-T<br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F010R<br>Description: IC MCU 8BIT 32KB FLASH 64TQFP      | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F007R<br>Description: IC MCU 8BIT 32KB FLASH 32LQFP      | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F006-GQR<br>Description: IC MCU 8BIT 32KB FLASH 48QFP    | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F007<br>Description: IC MCU 8BIT 32KB FLASH 32LQFP       | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F005DK-K<br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F010-GQR<br>Description: IC MCU 8BIT 32KB FLASH 64TQFP   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F010-GQ<br>Description: IC MCU 8BIT 32KB FLASH 64TQFP    | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F010-TB<br>Description: BOARD PROTOTYPING W/C8051F010    | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F006-GQ<br>Description: IC MCU 8BIT 32KB FLASH 48QFP     | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F005R<br>Description: IC MCU 8BIT 32KB FLASH 64TQFP      | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F006<br>Description: IC MCU 8BIT 32KB FLASH 48QFP        | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F011-GQ<br>Description: IC MCU 8BIT 32KB FLASH 48QFP     | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F011<br>Description: IC MCU 8BIT 32KB FLASH 48QFP        | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F006R<br>Description: IC MCU 8BIT 32KB FLASH 48QFP       | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F007-GQR<br>Description: IC MCU 8BIT 32KB FLASH 32LQFP   | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F005DK-J<br>Description: DEV KIT FOR C8051F005/F006/F007 | Manufacturers: Energy Micro (Silicon Labs) | RFQ |
|  | Part#: C8051F010<br>Description: IC MCU 8BIT 32KB FLASH 64TQFP       | Manufacturers: Energy Micro (Silicon Labs) | RFQ |

Related keywords for C8051F007-GQ

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