

C8051F061R



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**Part Number:** [C8051F061R](#)

**Manufacturer:** [Energy Micro \(Silicon Labs\)](#)

**Description:** IC MCU 8BIT 64KB FLASH 64TQFP

**Data sheet:**  [C8051F060-67](#)

**RoHs Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

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

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                    |                                  |                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                    | C8051F061R                                                                         | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 8BIT 64KB FLASH 64TQFP                                                      | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                             | 5862 pcs                                                                           | Data sheet                       | <a href="#">C8051F060-67</a>                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 3.6 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                        | 64-TQFP (10x10)                                                                    | Speed                            | 25MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                         | C8051F06x                                                                          | RAM Size                         | 4.25K x 8                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                              | Program Memory Size              | 64KB (64K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                                 | Packaging                        | Tape & Reel (TR)                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-TQFP                                                                            | Other Names                      | 336-1073-2                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                | Internal                                                                           | Operating Temperature            | -40°C ~ 85°C (TA)                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                  | 24                                                                                 | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                 | Contains lead / RoHS non-compliant                                                 | EEPROM Size                      | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                           | 8051 C8051F06x Microcontroller IC 8-Bit 25MHz 64KB (64K x 8) FLASH 64-TQFP (10x10) | Data Converters                  | A/D 2x16b, 8x10b; D/A 2x12b                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                      | 8-Bit                                                                              | Core Processor                   | 8051                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                           | Base Part Number                 | C8051F06                                    |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                            |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">C8051F060DK-U</a><br>Description: DEV KIT FOR F060/F062/F063     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F062</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F062-GQR</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F063-GQR</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F064</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F060R</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F063-GQ</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F064-GQ</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F063R</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F060-TB-K</a><br>Description: BOARD PROTOTYPING W/C8051F060 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F061-GQ</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F060-GQ</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F060-GQR</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F061-GQR</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F061</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F062-GQ</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F062R</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F060DK</a><br>Description: DEV KIT FOR F060/F062/F063       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F063</a><br>Description: IC MCU 8BIT 64KB FLASH 64TQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F060</a><br>Description: IC MCU 8BIT 64KB FLASH 100TQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |

| Related keywords for C8051F061R        |                         |                                        |                                 |
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