

C8051F547-IM



**SILICON LABS**

**Part Number:** [C8051F547-IM](#)

**Manufacturer:** [Silicon Labs](#)

**Description:** IC MCU 8BIT 8KB FLASH 24QFN

**Data sheet:**  [C8051F54x Errata](#)  
 [C8051F54x](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

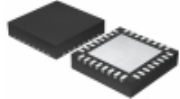
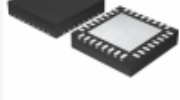
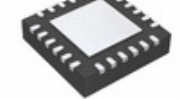
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                |                                                  |                                 |                                                                               |
|----------------------------------|--------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------|
| Part Number                      | C8051F547-IM                                     | Manufacturer                    | <a href="#">Silicon Labs</a>                                                  |
| Description                      | IC MCU 8BIT 8KB FLASH 24QFN                      | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                    |
| Quantity Available               | 38214 pcs                                        | Data sheet                      | <a href="#">C8051F54x Errata</a><br><a href="#">C8051F54x</a>                 |
| Category                         | <a href="#">Integrated Circuits (ICs)</a>        | Voltage - Supply (Vcc/Vdd)      | FLASH                                                                         |
| Voltage - Breakdown              | 24-QFN (4x4)                                     | Series                          | C8051F54x                                                                     |
| RoHS Status                      | Tube                                             | Reverse Recovery Time (trr)     | 50MHz                                                                         |
| Requires                         | POR, PWM, Temp Sensor, WDT                       | Program Memory Type             | 8KB (8K x 8)                                                                  |
| Program Memory Size              | SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART | Polarization                    | 24-WFQFN Exposed Pad                                                          |
| Other Names                      | 336-1682-5<br>C8051F547IM                        | Oscillator Type                 | A/D 18x12b                                                                    |
| Operating Temperature            | -40°C ~ 125°C (TA)                               | Operating System                | 8051                                                                          |
| Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                    | Manufacturer Standard Lead Time | 6 Weeks                                                                       |
| Manufacturer Part Number         | C8051F547-IM                                     | Expanded Description            | 8051 C8051F54x Microcontroller IC 8-Bit 50MHz 8KB (8K x 8) FLASH 24-QFN (4x4) |
| Description                      | IC MCU 8BIT 8KB FLASH 24QFN                      | Data SRAM Bytes                 | -                                                                             |
| Data Converters                  | 1.8 V ~ 5.25 V                                   | Core Size                       | 1.25K x 8                                                                     |
| Controller Series                | Internal                                         | Connectivity                    | 8-Bit                                                                         |
| Clock Rate                       | 18                                               |                                 |                                                                               |

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| RELATED PRODUCTS                                                                   |                                                                                   |                                                            |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------|----------------|
|  | Part#: <a href="#">C8051F545-IMR</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F550-IMR</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F553-IM</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F547-IMR</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F552-IMR</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F554-IM</a><br>Description: IC MCU 8BIT 16KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F545-IQ</a><br>Description: IC MCU 8BIT 8KB FLASH 32LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F546-IMR</a><br>Description: IC MCU 8BIT 8KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F551-IM</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">C8051F553-IMR</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">C8051F545-IQR</a><br>Description: IC MCU 8BIT 8KB FLASH 32LQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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