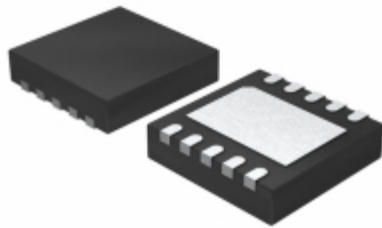


C8051F526A-IM



**SILICON LABS**

**Part Number:** [C8051F526A-IM](#)

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

**Description** IC MCU 8BIT 2KB FLASH 10DFN

**Data sheet:**  [C8051F52x/F53x](#)  
 [C8051F52x\(A\)-53x\(A\) Errata](#)

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

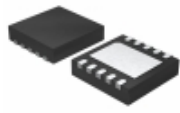
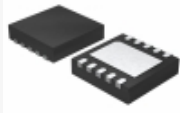
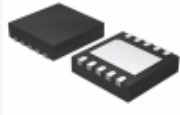
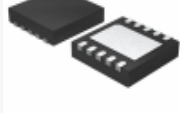
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                               |                                  |                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C8051F526A-IM                                                                 | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC MCU 8BIT 2KB FLASH 10DFN                                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 57629 pcs                                                                     | Data sheet                       | <a href="#">C8051F52x/F53x</a><br><a href="#">C8051F52x(A)-53x(A) Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 5.25 V                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10-DFN (3x3)                                                                  | Speed                            | 25MHz                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C8051F52x                                                                     | RAM Size                         | 256 x 8                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH                                                                         | Program Memory Size              | 2KB (2K x 8)                                                                 |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                            | Packaging                        | Tube                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10-VDFN Exposed Pad                                                           | Other Names                      | 336-1493-5                                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Internal                                                                      | Operating Temperature            | -40°C ~ 125°C (TA)                                                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                                                                             | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lead free / RoHS Compliant                                                    | EEPROM Size                      | -                                                                            |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8051 C8051F52x Microcontroller IC 8-Bit 25MHz 2KB (2K x 8) FLASH 10-DFN (3x3) | Data Converters                  | A/D 6x12b                                                                    |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8-Bit                                                                         | Core Processor                   | 8051                                                                         |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LINbus, SPI, UART/USART                                                       | Base Part Number                 | C8051F52                                                                     |
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|  | Part#: <a href="#">C8051F524-C-IM</a><br>Description: IC MCU 8BIT 4KB FLASH 10DFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F526A-IMR</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F530-C-IMR</a><br>Description: IC MCU 8BIT 8KB FLASH 20DFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F527-IM</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F527A-IMR</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F524A-IM</a><br>Description: IC MCU 8BIT 4KB FLASH 10DFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F527-C-IM</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F527A-IM</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">C8051F524-IM</a><br>Description: IC MCU 8BIT 4KB FLASH 10DFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F530-C-IT</a><br>Description: IC MCU 8BIT 8KB FLASH 20TSSOP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F523A-IMR</a><br>Description: IC MCU 8BIT 4KB FLASH 10DFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F530-C-IM</a><br>Description: IC MCU 8BIT 8KB FLASH 20DFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F526-C-IM</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F526-IM</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F526-C-IMR</a><br>Description: IC MCU 8BIT 2KB FLASH 10DFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F530-C-ITR</a><br>Description: IC MCU 8BIT 8KB FLASH 20TSSOP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F523A-IM</a><br>Description: IC MCU 8BIT 4KB FLASH 10DFN     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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