

C8051F353R



**SILICON LABS**

**Part Number:** [C8051F353R](#)

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

**Description:** IC MCU 8BIT 8KB FLASH 28MLP

**Data sheet:**  [C8051F350-53 Rev0.4](#)

**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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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                               |                                  |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C8051F353R                                                                    | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 8BIT 8KB FLASH 28MLP                                                   | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5424 pcs                                                                      | Data sheet                       | <a href="#">C8051F350-53 Rev0.4</a>         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 3.6 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 28-MLP (5x5)                                                                  | Speed                            | 50MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C8051F35x                                                                     | RAM Size                         | 768 x 8                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                         | Program Memory Size              | 8KB (8K x 8)                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | POR, PWM, Temp Sensor, WDT                                                    | Packaging                        | Cut Tape (CT)                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28-VFQFN Exposed Pad                                                          | Other Names                      | 336-1087-1                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Internal                                                                      | Operating Temperature            | -40°C ~ 85°C (TA)                           |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 17                                                                            | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                               |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                | Contains lead / RoHS non-compliant                                            | EEPROM Size                      | -                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8051 C8051F35x Microcontroller IC 8-Bit 50MHz 8KB (8K x 8) FLASH 28-MLP (5x5) | Data Converters                  | A/D 8x16b; D/A 2x8b                         |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8-Bit                                                                         | Core Processor                   | 8051                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                              | Base Part Number                 | C8051F35                                    |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                            |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">C8051F351-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 28MLP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F351R</a><br>Description: IC MCU 8BIT 8KB FLASH 28MLP        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F352R</a><br>Description: IC MCU 8BIT 8KB FLASH 32LQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F361-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F360-C-QQR</a><br>Description: IC MCU 8BIT 32KB FLASH 48TQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F361-C-QQR</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F361-GQR</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F352-GQ</a><br>Description: IC MCU 8BIT 8KB FLASH 32LQFP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F360-TB-K</a><br>Description: BOARD TARGET/PROTO W/C8051F360 | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F353-GMR</a><br>Description: IC MCU 8BIT 8KB FLASH 28MLP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F353</a><br>Description: IC MCU 8BIT 8KB FLASH 28MLP         | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F361-C-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 32LQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F360-C-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 48TQFP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F360-GQR</a><br>Description: IC MCU 8BIT 32KB FLASH 48TQFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F360DK</a><br>Description: KIT DEV FOR C8051F360 FAMILY      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F352-GQR</a><br>Description: IC MCU 8BIT 8KB FLASH 32LQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F353-GM</a><br>Description: IC MCU 8BIT 8KB FLASH 28MLP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F351-GMR</a><br>Description: IC MCU 8BIT 8KB FLASH 28MLP     | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F352</a><br>Description: IC MCU 8BIT 8KB FLASH 32LQFP        | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">C8051F360-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 48TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |

| Related keywords for C8051F353R        |                         |                                        |                                 |
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