





















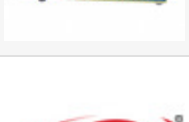
**C8051F120-GQ**

|  |   |   |
|--|---|---|
| <br><b>SILICON LABS</b>   | <br><b>SILICON LABS</b><br><b>Part Number:</b> <a href="#">C8051F120-GQ</a><br><b>Manufacturer:</b> <a href="#">Energy Micro (Silicon Labs)</a><br><b>Description:</b> IC MCU 8BIT 128KB FLASH 100TQFP<br><b>Data sheet:</b>  <a href="#">C8051F120-27/130-33</a> | <b>RoHS Status:</b> Lead free / RoHS Compliant<br><b>Ship From:</b> Hong Kong<br><b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS |
| Images are for reference only.<br>See Product Specifications for product details.<br>Buy C8051F120-GQ with confidence from Component-World.HK, 1 Year Warranty |   | <input type="button" value="Request For Quotation"/>  |

| PRODUCT PARAMETER              |  |                                  |   |
|--------------------------------|--|----------------------------------|---|
| Part Number                    | C8051F120-GQ   | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a> |
| Description                    | IC MCU 8BIT 128KB FLASH 100TQFP  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                  |
| Quantity Available             | 5165 pcs   | Data sheet                       | <a href="#">C8051F120-27/130-33</a>         |
| Category                       | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 3.6 V                                 |
| Supplier Device Package        | 100-TQFP (14x14)   | Speed                            | 100MHz                                      |
| Series                         | C8051F12x  | RAM Size                         | 8.25K x 8                                   |
| Program Memory Type            | FLASH  | Program Memory Size              | 128KB (128K x 8)                            |
| Peripherals                    | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT                                     | Packaging                        | Tray  |
| Package / Case                 | 100-TQFP   | Other Names                      | 336-1223<br>C8051F120GQ                     |
| Oscillator Type                | Internal   | Operating Temperature            | -40°C ~ 85°C (TA)                           |
| Number of I/O                  | 64   | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                               |
| Lead Free Status / RoHS Status | Lead free / RoHS Compliant   | EEPROM Size                      | -   |
| Detailed Description           | 8051 C8051F12x Microcontroller IC 8-Bit 100MHz 128KB (128K x 8) FLASH 100-TQFP (14x14) | Data Converters                  | A/D 8x8b, 8x12b; D/A 2x12b                  |
| Core Size                      | 8-Bit  | Core Processor                   | 8051  |
| Connectivity                   | EBI/EMI, SMBus (2-Wire/I <sup>2</sup> C), SPI, UART/USART                              | Base Part Number                 | C8051F12                                    |

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|  | Part#: <a href="#">C8051F121-GQ</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <input type="button" value="RFQ"/> |
|  | Part#: <a href="#">C8051F066-GQ</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <input type="button" value="RFQ"/> |
|  | Part#: <a href="#">C8051F120</a><br>Description: IC MCU 8BIT 128KB FLASH 100TQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <input type="button" value="RFQ"/> |
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|  | Part#: <a href="#">C8051F066R</a><br>Description: IC MCU 8BIT 32KB FLASH 100TQFP      | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <input type="button" value="RFQ"/> |
|  | Part#: <a href="#">C8051F121</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <input type="button" value="RFQ"/> |
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