



### C8051F130-GQ

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F130-GQ                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 128KB FLASH 100TQFP                                                                              |
| Datasheets:         |  C8051F130-GQ.pdf           |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5667 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

#### Specifications of C8051F130-GQ

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F130-GQ                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 128KB FLASH 100TQFP                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| QUANTITY AVAILABLE               | 5667 pcs                                                                                             |
| DATA SHEET                       |  C8051F130-GQ.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (14x14)                                                                                     |
| SPEED                            | 100MHz                                                                                               |
| SERIES                           | C8051F13x                                                                                            |
| 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                      | 336-1232<br>C8051F130GQ                                                                              |
| 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 C8051F13x Microcontroller IC 8-Bit 100MHz 128KB (128K x 8) FLASH 100-TQFP (14x14)               |
| DATA CONVERTERS                  | A/D 8x10b                                                                                            |
| CORE SIZE                        | 8-Bit                                                                                                |
| CORE PROCESSOR                   | 8051                                                                                                 |
| CONNECTIVITY                     | EBI/EMI, SMBus (2-Wire/I²C), SPI, UART/USART                                                         |
| BASE PART NUMBER                 | C8051F13                                                                                             |

#### Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F130-GQ | C8051F130-GQ Distributor             | C8051F130-GQ Supplier                        |
| C8051F130-GQ Price                       | C8051F130-GQ Pictures                | C8051F130-GQ Image                           |
| C8051F130-GQ PDF Datasheet               | C8051F130-GQ Download Datasheet      | C8051F130-GQ Datasheet                       |
| C8051F130-GQ Stock                       | Buy C8051F130-GQ                     | Buy Energy Micro (Silicon Labs) C8051F130-GQ |
| Energy Micro (Silicon Labs) C8051F130-GQ | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) C8051F130-GQ | Energy Micro C8051F130-GQ            | Energy Micro (Silicon Labs) C8051F130-GQ     |
| Silicon Laboratories C8051F130-GQ        | Silicon Labs C8051F130-GQ            |                                              |

#### Related Products

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| <div><div><b>C8051F131-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 6043 pcs</div><div>RFQ</div></div>  | <div><div><b>C8051F127-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 5489 pcs</div><div>RFQ</div></div> |
| <div><div><b>C8051F132-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 7111 pcs</div><div>RFQ</div></div>   | <div><div><b>C8051F126R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 100TQFP<br/>In stock: 3161 pcs</div><div>RFQ</div></div>   |
| <div><div><b>C8051F127R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 3715 pcs</div><div>RFQ</div></div>     | <div><div><b>C8051F127</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 3135 pcs</div><div>RFQ</div></div>     |
| <div><div><b>C8051F130</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 100TQFP<br/>In stock: 3172 pcs</div><div>RFQ</div></div>     | <div><div><b>C8051F132</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 6469 pcs</div><div>RFQ</div></div>     |
| <div><div><b>C8051F131</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 3463 pcs</div><div>RFQ</div></div>      | <div><div><b>C8051F127-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 5258 pcs</div><div>RFQ</div></div>  |
| <div><div><b>C8051F130-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 100TQFP<br/>In stock: 6010 pcs</div><div>RFQ</div></div> | <div><div><b>C8051F131-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 128KB FLASH 64TQFP<br/>In stock: 5926 pcs</div><div>RFQ</div></div>  |

