



C8051F021-GQ



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Part Number: [C8051F021-GQ](#)

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

Description: IC MCU 8BIT 64KB FLASH 64TQFP

Data sheet:  [C8051F020 - C8051F023](#)

RoHs Status: Lead free / RoHS Compliant




















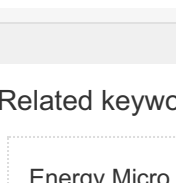
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| PRODUCT PARAMETER | | | |
|--|--|----------------------------------|---|
| Part Number | C8051F021-GQ | Manufacturer | Energy Micro (Silicon Labs) |
| Description | IC MCU 8BIT 64KB FLASH 64TQFP | Lead Free Status / RoHS Status | Lead free / RoHS Compliant |
| Quantity Available | 5868 pcs | Data sheet | C8051F020 - C8051F023 |
| Category | Integrated Circuits (ICs) | Voltage - Supply (Vcc/Vdd) | 2.7 V ~ 3.6 V |
| Supplier Device Package | 64-TQFP (10x10) | Speed | 25MHz |
| Series | C8051F02x | RAM Size | 4.25K x 8 |
| Program Memory Type | FLASH | Program Memory Size | 64KB (64K x 8) |
| Peripherals | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT | Packaging | Tray |
| Package / Case | 64-TQFP | Other Names | 336-1201 C8051F021GQ |
| Oscillator Type | Internal | Operating Temperature | -40°C ~ 85°C (TA) |
| Number of I/O | 32 | Moisture Sensitivity Level (MSL) | 3 (168 Hours) |
| Lead Free Status / RoHS Status | Lead free / RoHS Compliant | EEPROM Size | - |
| Detailed Description | 8051 C8051F02x Microcontroller IC 8-Bit 25MHz 64KB (64K x 8) FLASH 64-TQFP (10x10) | Data Converters | A/D 8x8b, 8x12b; D/A 2x12b |
| Core Size | 8-Bit | Core Processor | 8051 |
| Connectivity | EBI/EMI, SMBus (2-Wire/I ² C), SPI, UART/USART | Base Part Number | C8051F02 |
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|  | Part#: C8051F022-GQR Description: IC MCU 8BIT 64KB FLASH 100TQFP | Manufacturers: Energy Micro (Silicon Labs) | <div>RFQ</div> |
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