



Energy Micro (Silicon Labs)

C8051F121R

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| Part Number: | C8051F121R |
| Manufacturer/Brand: | Energy Micro (Silicon Labs) |
| Product description: | IC MCU 8BIT 128KB FLASH 64TQFP |
| Datasheets: | C8051F121R.pdf |
| RoHS Status: | Contains lead / RoHS non-compliant |
| Stock Condition: | 2956 pcs stock |
| Ship From: | Hong Kong |
| Shipment Way: | DHL/Fedex/TNT/UPS/EMS |

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.

Specifications of C8051F121R

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| PART NUMBER | C8051F121R |
| MANUFACTURER | Energy Micro (Silicon Labs) |
| DESCRIPTION | IC MCU 8BIT 128KB FLASH 64TQFP |
| LEAD FREE STATUS / ROHS STATUS | Contains lead / RoHS non-compliant |
| QUANTITY AVAILABLE | 2956 pcs |
| DATA SHEET | C8051F121R.pdf |
| VOLTAGE - SUPPLY (VCC/VDD) | 3 V ~ 3.6 V |
| SUPPLIER DEVICE PACKAGE | 64-TQFP (10x10) |
| 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 | Tape & Reel (TR) |
| PACKAGE / CASE | 64-TQFP |
| OTHER NAMES | 336-1080-2 |
| 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 | Contains lead / RoHS non-compliant |
| EEPROM SIZE | - |
| DETAILED DESCRIPTION | 8051 C8051F12x Microcontroller IC 8-Bit 100MHz 128KB (128K x 8) FLASH 64-TQFP (10x10) |
| DATA CONVERTERS | A/D 8x8b, 8x10b; 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 | C8051F12 |

Related Tags

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| Silicon Laboratories C8051F121R | Silicon Labs C8051F121R | |

Related Products

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| <p>C8051F123-GQ Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 64TQFP In stock: 4527 pcs</p> <p>RFQ</p> | <p>C8051F121-GQR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 64TQFP In stock: 4905 pcs</p> <p>RFQ</p> |
| <p>C8051F122 Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 100TQFP In stock: 5071 pcs</p> <p>RFQ</p> | <p>C8051F121-GQ Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 64TQFP In stock: 4397 pcs</p> <p>RFQ</p> |
| <p>C8051F120DK Manufacturers: Energy Micro (Silicon Labs) Description: DEVKIT-F120/21/22/23/24/25/26/27 In stock: 1097 pcs</p> <p>RFQ</p> | <p>C8051F122R Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 100TQFP In stock: 4441 pcs</p> <p>RFQ</p> |
| <p>C8051F122-GQR Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 100TQFP In stock: 5021 pcs</p> <p>RFQ</p> | <p>C8051F123 Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 64TQFP In stock: 5619 pcs</p> <p>RFQ</p> |
| <p>C8051F121 Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 64TQFP In stock: 3208 pcs</p> <p>RFQ</p> | <p>C8051F120DK-U Manufacturers: Energy Micro (Silicon Labs) Description: DEVKIT-F120/21/22/23/24/25/26/27 In stock: 5376 pcs</p> <p>RFQ</p> |
| <p>C8051F122-GQ Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 100TQFP In stock: 5314 pcs</p> <p>RFQ</p> | <p>C8051F120R Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 128KB FLASH 100TQFP In stock: 6194 pcs</p> <p>RFQ</p> |