





Energy Micro (Silicon Labs)




C8051F021

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| Part Number: | C8051F021 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs) |
| Product description | IC MCU 8BIT 64KB FLASH 64TQFP |
| Datasheets: |  C8051F021.pdf |
| RoHs Status |  Contains lead / RoHS non-compliant |
| 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 C8051F021

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| PART NUMBER | C8051F021 |
| MANUFACTURER | Energy Micro (Silicon Labs) |
| DESCRIPTION | IC MCU 8BIT 64KB FLASH 64TQFP |
| LEAD FREE STATUS / ROHS STATUS | Contains lead / RoHS non-compliant |
| DATA SHEET |  C8051F021.pdf |
| 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 |
| 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 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/I²C), SPI, UART/USART |
| BASE PART NUMBER | C8051F02 |

Related Tags

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| Silicon Laboratories C8051F021 | Silicon Labs C8051F021 | |

Related Products

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|  <div>C8051F022-GQ Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 64KB FLASH 100TQFP In stock: 879 pcs RFQ</div> |  <div>C8051F021R Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 64KB FLASH 64TQFP In stock: Out stock RFQ</div> |
|  <div>C8051F020DK-T Manufacturers: Energy Micro (Silicon Labs) Description: DEV KIT FOR F020/F021/F022/F023 In stock: Out stock RFQ</div> |  <div>C8051F020DK-H Manufacturers: Energy Micro (Silicon Labs) Description: DEV KIT FOR F020/F021/F022/F023 In stock: Out stock RFQ</div> |
|  <div>C8051F020R Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 64KB FLASH 100TQFP In stock: Out stock RFQ</div> |  <div>C8051F020DK-K Manufacturers: Energy Micro (Silicon Labs) Description: DEV KIT FOR F020/F021/F022/F023 In stock: Out stock RFQ</div> |
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|  <div>C8051F021-GQ Manufacturers: Energy Micro (Silicon Labs) Description: IC MCU 8BIT 64KB FLASH 64TQFP In stock: 523 pcs RFQ</div> |  <div>C8051F020DK-J Manufacturers: Energy Micro (Silicon Labs) Description: DEV KIT FOR F020/F021/F022/F023 In stock: Out stock RFQ</div> |