



C8051F042R

|                     |                                    |
|---------------------|------------------------------------|
| Part Number:        | C8051F042R                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)        |
| Product description | IC MCU 8BIT 64KB FLASH 100TQFP     |
| Datasheets:         | C8051F042R.pdf                     |
| RoHs Status         | Contains lead / RoHS non-compliant |
| Ship From           | Hong Kong                          |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS              |

REQUEST FOR QUOTATION

Specifications of C8051F042R

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F042R                                                                          |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                         |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 100TQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                  |
| DATA SHEET                       | C8051F042R.pdf                                                                      |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                       |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (14x14)                                                                    |
| SPEED                            | 25MHz                                                                               |
| SERIES                           | C8051F04x                                                                           |
| 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                        | Cut Tape (CT)                                                                       |
| PACKAGE / CASE                   | 100-TQFP                                                                            |
| OTHER NAMES                      | 336-1053-1                                                                          |
| 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   | Contains lead / RoHS non-compliant                                                  |
| EEPROM SIZE                      | -                                                                                   |
| DETAILED DESCRIPTION             | 8051 C8051F04x Microcontroller IC 8-Bit 25MHz 64KB (64K x 8) FLASH 100-TQFP (14x14) |
| DATA CONVERTERS                  | A/D 8x8b, 13x10b; D/A 2x10b, 2x12b                                                  |
| CORE SIZE                        | 8-Bit                                                                               |
| CORE PROCESSOR                   | 8051                                                                                |
| CONNECTIVITY                     | CANbus, EBI/EMI, SMBus (2-Wire/I²C), SPI, UART/USART                                |
| BASE PART NUMBER                 | C8051F04                                                                            |

Related Tags

|                                        |                                      |                                            |
|----------------------------------------|--------------------------------------|--------------------------------------------|
| Energy Micro (Silicon Labs) C8051F042R | C8051F042R Distributor               | C8051F042R Supplier                        |
| C8051F042R Price                       | C8051F042R Pictures                  | C8051F042R Image                           |
| C8051F042R PDF Datasheet               | C8051F042R Download Datasheet        | C8051F042R Datasheet                       |
| C8051F042R Stock                       | Buy C8051F042R                       | Buy Energy Micro (Silicon Labs) C8051F042R |
| Energy Micro (Silicon Labs) C8051F042R | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor    |
| Energy Micro (Silicon Labs) C8051F042R | Energy Micro C8051F042R              | Energy Micro (Silicon Labs) C8051F042R     |
| Silicon Laboratories C8051F042R        | Silicon Labs C8051F042R              |                                            |

Related Products

|                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>C8051F044</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: Out stock</p> <p>RFQ</p>    | <p><b>C8051F043-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p>  |
| <p><b>C8051F044-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 528 pcs</p> <p>RFQ</p>   | <p><b>C8051F042</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: Out stock</p> <p>RFQ</p>    |
| <p><b>C8051F043R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p>    | <p><b>C8051F041-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p>  |
| <p><b>C8051F043</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p>     | <p><b>C8051F041R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p>    |
| <p><b>C8051F042-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 175 pcs</p> <p>RFQ</p>  | <p><b>C8051F041-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p> |
| <p><b>C8051F043-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p> | <p><b>C8051F042-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 64KB FLASH 100TQFP<br/>In stock: 158 pcs</p> <p>RFQ</p>   |