



Energy Micro (Silicon Labs)



C8051F231R

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F231R                                                                                                           |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                          |
| Product description | IC MCU 8BIT 8KB FLASH 32LQFP                                                                                         |
| Datasheets:         |  C8051F231R.pdf                     |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 2841 pcs stock                                                                                                       |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of C8051F231R

|                                  |                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F231R                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 32LQFP                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                 |
| QUANTITY AVAILABLE               | 2841 pcs                                                                                           |
| DATA SHEET                       |  C8051F231R.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 3.6 V                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 32-LQFP (7x7)                                                                                      |
| SPEED                            | 25MHz                                                                                              |
| SERIES                           | C8051F2xx                                                                                          |
| RAM SIZE                         | 256 x 8                                                                                            |
| PROGRAM MEMORY TYPE              | FLASH                                                                                              |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, WDT                                                                   |
| PACKAGING                        | Tape & Reel (TR)                                                                                   |
| PACKAGE / CASE                   | 32-LQFP                                                                                            |
| OTHER NAMES                      | 336-1012-2                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                  |
| NUMBER OF I/O                    | 22                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                 |
| EEPROM SIZE                      | -                                                                                                  |
| DETAILED DESCRIPTION             | 8051 C8051F2xx Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH 32-LQFP (7x7)                     |
| DATA CONVERTERS                  | -                                                                                                  |
| CORE SIZE                        | 8-Bit                                                                                              |
| CORE PROCESSOR                   | 8051                                                                                               |
| CONNECTIVITY                     | SPI, UART/USART                                                                                    |
| BASE PART NUMBER                 | C8051F2                                                                                            |

Related Tags

|                                        |                                      |                                            |
|----------------------------------------|--------------------------------------|--------------------------------------------|
| Energy Micro (Silicon Labs) C8051F231R | C8051F231R Distributor               | C8051F231R Supplier                        |
| C8051F231R Price                       | C8051F231R Pictures                  | C8051F231R Image                           |
| C8051F231R PDF Datasheet               | C8051F231R Download Datasheet        | C8051F231R Datasheet                       |
| C8051F231R Stock                       | Buy C8051F231R                       | Buy Energy Micro (Silicon Labs) C8051F231R |
| Energy Micro (Silicon Labs) C8051F231R | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor    |
| Energy Micro (Silicon Labs) C8051F231R | Energy Micro C8051F231R              | Energy Micro (Silicon Labs) C8051F231R     |
| Silicon Laboratories C8051F231R        | Silicon Labs C8051F231R              |                                            |

Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>C8051F230R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 48QFP<br/>In stock: 3948 pcs<br/><b>RFQ</b></div>      |  <div><b>C8051F231</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32LQFP<br/>In stock: 4873 pcs<br/><b>RFQ</b></div>     |
|  <div><b>C8051F236R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 48QFP<br/>In stock: 6737 pcs<br/><b>RFQ</b></div>      |  <div><b>C8051F236-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 48QFP<br/>In stock: 26954 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F236-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 48QFP<br/>In stock: 27591 pcs<br/><b>RFQ</b></div>   |  <div><b>C8051F230-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 48QFP<br/>In stock: 28128 pcs<br/><b>RFQ</b></div> |
|  <div><b>C8051F231-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32LQFP<br/>In stock: 31789 pcs<br/><b>RFQ</b></div>  |  <div><b>C8051F300</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 11QFN<br/>In stock: 6561 pcs<br/><b>RFQ</b></div>      |
|  <div><b>C8051F300-GDI</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH DIE<br/>In stock: 52359 pcs<br/><b>RFQ</b></div>    |  <div><b>C8051F230-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 48QFP<br/>In stock: 23245 pcs<br/><b>RFQ</b></div>  |
|  <div><b>C8051F231-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 32LQFP<br/>In stock: 31409 pcs<br/><b>RFQ</b></div> |  <div><b>C8051F236</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 48QFP<br/>In stock: 2892 pcs<br/><b>RFQ</b></div>      |