



Energy Micro (Silicon Labs)



C8051F863-C-GS

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | C8051F863-C-GS                                                                                               |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 8BIT 8KB FLASH 16SOIC                                                                                 |
|                     |  1.C8051F863-C-GS.pdf       |
|                     |  2.C8051F863-C-GS.pdf       |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Stock Condition     | 128010 pcs stock                                                                                             |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of C8051F863-C-GS

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F863-C-GS                                                                                                                                                                                                       |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 16SOIC                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 128010 pcs                                                                                                                                                                                                           |
| DATA SHEET                       |  1.C8051F863-C-GS.pdf<br> 2.C8051F863-C-GS.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.2 V ~ 3.6 V                                                                                                                                                                                                        |
| SPEED                            | 25MHz                                                                                                                                                                                                                |
| SERIES                           | C8051F86x                                                                                                                                                                                                            |
| RAM SIZE                         | 512 x 8                                                                                                                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 16-SOIC (0.154", 3.90mm Width)                                                                                                                                                                                       |
| OTHER NAMES                      | 336-5430<br>C8051F863-C-GS-ND                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 13                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| EEPROM SIZE                      | -                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | 8051 C8051F86x Microcontroller IC 8-Bit 25MHz 8KB (8K x 8) FLASH                                                                                                                                                     |
| DATA CONVERTERS                  | -                                                                                                                                                                                                                    |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                |
| CORE PROCESSOR                   | 8051                                                                                                                                                                                                                 |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                 |

Related Tags

|                                            |                                      |                                                |
|--------------------------------------------|--------------------------------------|------------------------------------------------|
| Energy Micro (Silicon Labs) C8051F863-C-GS | C8051F863-C-GS Distributor           | C8051F863-C-GS Supplier                        |
| C8051F863-C-GS Price                       | C8051F863-C-GS Pictures              | C8051F863-C-GS Image                           |
| C8051F863-C-GS PDF Datasheet               | C8051F863-C-GS Download Datasheet    | C8051F863-C-GS Datasheet                       |
| C8051F863-C-GS Stock                       | Buy C8051F863-C-GS                   | Buy Energy Micro (Silicon Labs) C8051F863-C-GS |
| Energy Micro (Silicon Labs) C8051F863-C-GS | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor        |
| Energy Micro (Silicon Labs) C8051F863-C-GS | Energy Micro C8051F863-C-GS          | Energy Micro (Silicon Labs) C8051F863-C-GS     |
| Silicon Laboratories C8051F863-C-GS        | Silicon Labs C8051F863-C-GS          |                                                |

Related Products

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>C8051F862-C-GSR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 16SOIC<br/>In stock: 166831 pcs<br/>RFQ</div> |  <div>C8051F862-C-GS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 16SOIC<br/>In stock: 150525 pcs<br/>RFQ</div>  |
|  <div>C8051F863-C-GSR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: 152298 pcs<br/>RFQ</div> |  <div>C8051F861-C-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 16SOIC<br/>In stock: 122175 pcs<br/>RFQ</div> |
|  <div>C8051F864-C-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 16SOIC<br/>In stock: 119702 pcs<br/>RFQ</div>  |  <div>C8051F864-C-GSR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 16SOIC<br/>In stock: 142859 pcs<br/>RFQ</div> |
|  <div>C8051F862-C-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 16SOIC<br/>In stock: 109120 pcs<br/>RFQ</div>  |  <div>C8051F862-C-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 2KB FLASH 16SOIC<br/>In stock: 145118 pcs<br/>RFQ</div> |
|  <div>C8051F863-C-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: 136894 pcs<br/>RFQ</div> |  <div>C8051F861-C-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 4KB FLASH 16SOIC<br/>In stock: 97129 pcs<br/>RFQ</div>   |
|  <div>C8051F864-C-GS<br/>Manufacturers: Silicon Labs<br/>Description: IC MCU 8BIT 4KB FLASH 16SOIC<br/>In stock: 148795 pcs<br/>RFQ</div>                 |  <div>C8051F863-C-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 8KB FLASH 16SOIC<br/>In stock: 105771 pcs<br/>RFQ</div>  |