



Energy Micro (Silicon Labs)



SIM3L167-C-GLR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SIM3L167-C-GLR                                                                                               |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 32BIT 256KB FLASH 80TFBGA                                                                             |
|                     |  1.SIM3L167-C-GLR.pdf       |
|                     |  2.SIM3L167-C-GLR.pdf       |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         | Hong Kong                                                                                                    |
| Ship From           |                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

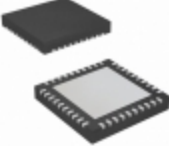
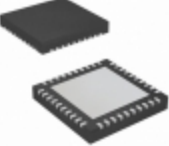
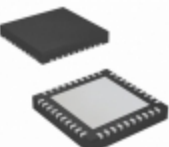
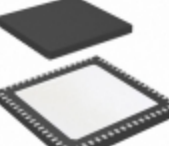
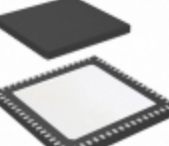
Specifications of SIM3L167-C-GLR

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | SIM3L167-C-GLR                                                                                                                                                                                                       |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 80TFBGA                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| DATA SHEET                       |  1.SIM3L167-C-GLR.pdf<br> 2.SIM3L167-C-GLR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.8 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 80-TFBGA (5.5x5.5)                                                                                                                                                                                                   |
| SPEED                            | 50MHz                                                                                                                                                                                                                |
| SERIES                           | SiM3L1xx                                                                                                                                                                                                             |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                     |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                                                                                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 80-TFBGA                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 62                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| EEPROM SIZE                      | -                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 SiM3L1xx Microcontroller IC 32-Bit 50MHz 256KB (256K x 8) FLASH 80-TFBGA (5.5x5.5)                                                                                                                   |
| DATA CONVERTERS                  | A/D 24x10/12b, D/A 1x10b                                                                                                                                                                                             |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                               |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                      |
| CONNECTIVITY                     | I²C, IrDA, SmartCard, SPI, UART/USART                                                                                                                                                                                |

Related Tags

|                                            |                                      |                                                |
|--------------------------------------------|--------------------------------------|------------------------------------------------|
| Energy Micro (Silicon Labs) SIM3L167-C-GLR | SIM3L167-C-GLR Distributor           | SIM3L167-C-GLR Supplier                        |
| SIM3L167-C-GLR Price                       | SIM3L167-C-GLR Pictures              | SIM3L167-C-GLR Image                           |
| SIM3L167-C-GLR PDF Datasheet               | SIM3L167-C-GLR Download Datasheet    | SIM3L167-C-GLR Datasheet                       |
| SIM3L167-C-GLR Stock                       | Buy SIM3L167-C-GLR                   | Buy Energy Micro (Silicon Labs) SIM3L167-C-GLR |
| Energy Micro (Silicon Labs) SIM3L167-C-GLR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor        |
| Energy Micro (Silicon Labs) SIM3L167-C-GLR | Energy Micro SIM3L167-C-GLR          | Energy Micro (Silicon Labs) SIM3L167-C-GLR     |
| Silicon Laboratories SIM3L167-C-GLR        | Silicon Labs SIM3L167-C-GLR          |                                                |

Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>SIM3L166-C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>SIM3L166-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 89 pcs<br/>RFQ</div>     |
|  <div><b>SIM3L164-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 40QFN<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>SIM3L164-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 40QFN<br/>In stock: 368 pcs<br/>RFQ</div>     |
|  <div><b>SIM3L1XX-B-DK</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: KIT DEV SIM3L1XX<br/>In stock: 1 pcs<br/>RFQ</div>                     |  <div><b>SIM3U134-B-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 40QFN<br/>In stock: 661 pcs<br/>RFQ</div>      |
|  <div><b>SIM3L1XXLCD-B-DK</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: KIT DEV SIM3L1XX LCD<br/>In stock: 3 pcs<br/>RFQ</div>              |  <div><b>SIM3L167-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 80TQFP<br/>In stock: 119 pcs<br/>RFQ</div>    |
|  <div><b>SIM3L166-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>SIM3L166-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>SIM3L168-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 92LGA<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>SIM3L167-C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 80TQFP<br/>In stock: Out stock<br/>RFQ</div> |