



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

SIM3L164-C-GMR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SIM3L164-C-GMR                                                                                               |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 32BIT 256KB FLASH 40QFN                                                                               |
|                     |  1.SIM3L164-C-GMR.pdf       |
|                     |  2.SIM3L164-C-GMR.pdf       |
|                     |  3.SIM3L164-C-GMR.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 9489 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

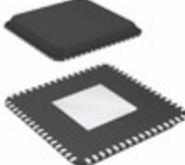
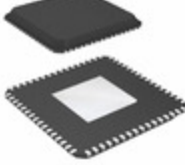
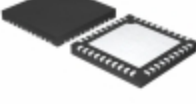
Specifications of SIM3L164-C-GMR

|                                  |                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | SIM3L164-C-GMR                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 40QFN                                                                                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 9489 pcs                                                                                                                                                                                                                                                                                                                         |
| DATA SHEET                       |  1.SIM3L164-C-GMR.pdf<br> 2.SIM3L164-C-GMR.pdf<br> 3.SIM3L164-C-GMR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 40-QFN (6x6)                                                                                                                                                                                                                                                                                                                     |
| 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, POR, PWM, WDT                                                                                                                                                                                                                                                                                       |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 40-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                |
| NUMBER OF I/O                    | 28                                                                                                                                                                                                                                                                                                                               |
| 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 40-QFN (6x6)                                                                                                                                                                                                                                     |
| DATA CONVERTERS                  | A/D 20x10/12b, 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) SIM3L164-C-GMR | SIM3L164-C-GMR Distributor           | SIM3L164-C-GMR Supplier                        |
| SIM3L164-C-GMR Price                       | SIM3L164-C-GMR Pictures              | SIM3L164-C-GMR Image                           |
| SIM3L164-C-GMR PDF Datasheet               | SIM3L164-C-GMR Download Datasheet    | SIM3L164-C-GMR Datasheet                       |
| SIM3L164-C-GMR Stock                       | Buy SIM3L164-C-GMR                   | Buy Energy Micro (Silicon Labs) SIM3L164-C-GMR |
| Energy Micro (Silicon Labs) SIM3L164-C-GMR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor        |
| Energy Micro (Silicon Labs) SIM3L164-C-GMR | Energy Micro SIM3L164-C-GMR          | Energy Micro (Silicon Labs) SIM3L164-C-GMR     |
| Silicon Laboratories SIM3L164-C-GMR        | Silicon Labs SIM3L164-C-GMR          |                                                |

Related Products

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| <div><div><b>SIM3L166-C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 9827 pcs</div><div>RFQ</div></div>  | <div><div><b>SIM3L156-C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 12145 pcs</div><div>RFQ</div></div> |
| <div><div><b>SIM3L167-C-GLR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 80TFBGA<br/>In stock: 5441 pcs</div><div>RFQ</div></div> | <div><div><b>SIM3L166-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 7449 pcs</div><div>RFQ</div></div>    |
| <div><div><b>SIM3L157-C-GLR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 80TFBGA<br/>In stock: 4559 pcs</div><div>RFQ</div></div> | <div><div><b>SIM3L157-C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 80TQFP<br/>In stock: 10033 pcs</div><div>RFQ</div></div> |
| <div><div><b>SIM3L156-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 12133 pcs</div><div>RFQ</div></div>  | <div><div><b>SIM3L157-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 80TQFP<br/>In stock: 9362 pcs</div><div>RFQ</div></div>   |
| <div><div><b>SIM3L166-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 8305 pcs</div><div>RFQ</div></div>   | <div><div><b>SIM3L166-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 10310 pcs</div><div>RFQ</div></div>  |
| <div><div><b>SIM3L167-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 80TQFP<br/>In stock: 8597 pcs</div><div>RFQ</div></div>   | <div><div><b>SIM3L164-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 40QFN<br/>In stock: 7848 pcs</div><div>RFQ</div></div>    |