



SILICON LABS

Energy Micro (Silicon Labs)

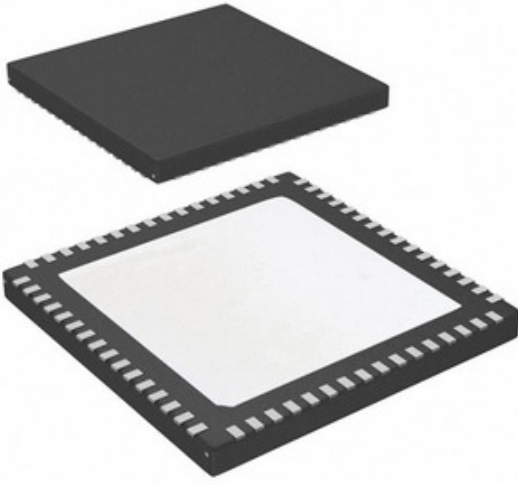


Image may be representation. See specifications for product details.

SIM3L146-C-GM

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SIM3L146-C-GM                                                                                                |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | IC MCU 32BIT 64KB FLASH 64QFN                                                                                |
|                     |  1.SIM3L146-C-GM.pdf        |
|                     |  2.SIM3L146-C-GM.pdf        |
|                     |  3.SIM3L146-C-GM.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

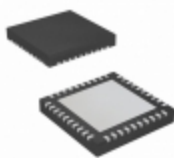
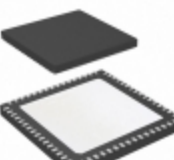
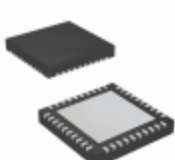
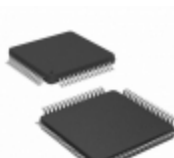
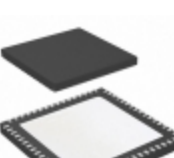
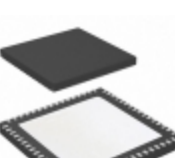
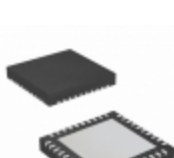
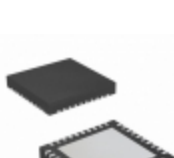
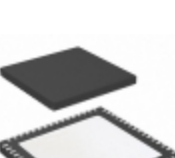
Specifications of SIM3L146-C-GM

|                                  |                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | SIM3L146-C-GM                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 64QFN                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                    |
| DATA SHEET                       |  1.SIM3L146-C-GM.pdf<br> 2.SIM3L146-C-GM.pdf<br> 3.SIM3L146-C-GM.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 64-QFN (9x9)                                                                                                                                                                                                                                                                                                                  |
| SPEED                            | 50MHz                                                                                                                                                                                                                                                                                                                         |
| SERIES                           | Sim3L1xx                                                                                                                                                                                                                                                                                                                      |
| RAM SIZE                         | 16K x 8                                                                                                                                                                                                                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                                                                                                                                                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                                                                                                                                                                                                                                               |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                          |
| OTHER NAMES                      | 336-2337<br>SIM3L146-B-GM<br>SIM3L146CGM                                                                                                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                             |
| NUMBER OF I/O                    | 51                                                                                                                                                                                                                                                                                                                            |
| 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 64KB (64K x 8) FLASH 64-QFN (9x9)                                                                                                                                                                                                                                    |
| DATA CONVERTERS                  | A/D 23x10/12b, 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) SIM3L146-C-GM | SIM3L146-C-GM Distributor            | SIM3L146-C-GM Supplier                        |
| SIM3L146-C-GM Price                       | SIM3L146-C-GM Pictures               | SIM3L146-C-GM Image                           |
| SIM3L146-C-GM PDF Datasheet               | SIM3L146-C-GM Download Datasheet     | SIM3L146-C-GM Datasheet                       |
| SIM3L146-C-GM Stock                       | Buy SIM3L146-C-GM                    | Buy Energy Micro (Silicon Labs) SIM3L146-C-GM |
| Energy Micro (Silicon Labs) SIM3L146-C-GM | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) SIM3L146-C-GM | Energy Micro SIM3L146-C-GM           | Energy Micro (Silicon Labs) SIM3L146-C-GM     |
| Silicon Laboratories SIM3L146-C-GM        | Silicon Labs SIM3L146-C-GM           |                                               |

Related Products

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>SIM3L144-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 40QFN<br/>In stock: 716 pcs<br/>RFQ</div>     |  <div><b>SIM3L146-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: 169 pcs<br/>RFQ</div>    |
|  <div><b>SIM3L136-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 40QFN<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>SIM3L144-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 40QFN<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>SIM3L136-C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 64TQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>SIM3L146-C-GQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>SIM3L146-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>SIM3L136-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 64QFN<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>SIM3L154-C-GMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 40QFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>SIM3L136-C-GQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 32KB FLASH 64TQFP<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>SIM3L154-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 40QFN<br/>In stock: 8 pcs<br/>RFQ</div>      |  <div><b>SIM3L156-C-GM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64QFN<br/>In stock: 6 pcs<br/>RFQ</div>      |