

SIM3L146-C-GQR



SILICON LABS



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Part Number: [SIM3L146-C-GQR](#)

Manufacturer: [Energy Micro \(Silicon Labs\)](#)

Description: IC MCU 32BIT 64KB FLASH 64TQFP

Data sheet:  [SIM3L1xx Reference Manual](#)
 [SIM3L1xx Rev C Errata](#)
 [SIM3L1xx Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

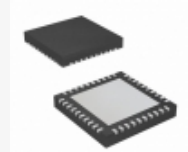
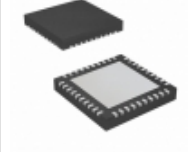
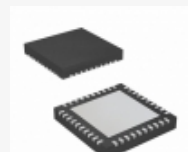
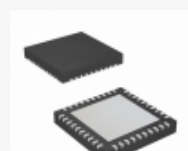
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See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	SIM3L146-C-GQR	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 64KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12255 pcs	Data sheet	SIM3L1xx Reference Manual SIM3L1xx Rev C Errata SiM3L1xx Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.8 V
Supplier Device Package	64-TQFP (10x10)	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	Tape & Reel (TR)
Package / Case	64-TQFP	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-TQFP (10x10)
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
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RELATED PRODUCTS			
	Part#: SIM3L146-C-GQ Description: IC MCU 32BIT 64KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: SIM3L144-C-GM Description: IC MCU 32BIT 64KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L146-C-GM Description: IC MCU 32BIT 64KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L136-C-GQ Description: IC MCU 32BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L156-C-GQR Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L136-C-GQR Description: IC MCU 32BIT 32KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: SIM3L157-C-GQR Description: IC MCU 32BIT 128KB FLASH 80TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L134-C-GMR Description: IC MCU 32BIT 32KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: SIM3L157-C-GQ Description: IC MCU 32BIT 128KB FLASH 80TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L156-C-GM Description: IC MCU 32BIT 128KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: SIM3L136-C-GMR Description: IC MCU 32BIT 32KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L157-C-GLR Description: IC MCU 32BIT 128KB FLASH 80TFBGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3L156-C-GQ Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

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