

SIM3U166-B-GM



SILICON LABS



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Part Number: [SIM3U166-B-GM](#)

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

Description: IC MCU 32BIT 256KB FLASH 64QFN

Data sheet:  [SIM3C1xx Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

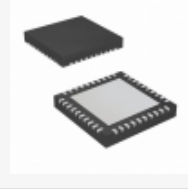
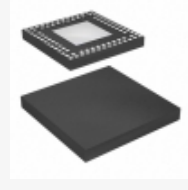
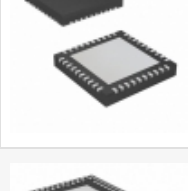
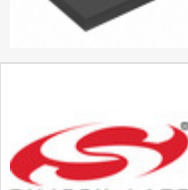
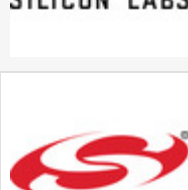
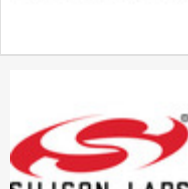
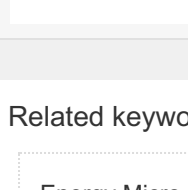
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See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	SIM3U166-B-GM	Manufacturer	Energy Micro (Silicon Labs)
Description	IC MCU 32BIT 256KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12779 pcs	Data sheet	SIM3C1xx Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Supplier Device Package	64-QFN (9x9)	Speed	80MHz
Series	SIM3U1xx	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	64-VFQFN Exposed Pad	Other Names	336-2214 SIM3U166BGM
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	50	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M3 SIM3U1xx Microcontroller IC 32-Bit 80MHz 256KB (256K x 8) FLASH 64-QFN (9x9)	Data Converters	A/D 28x12b, D/A 2x10b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	EBI/EMI, I ² C, IrDA, SmartCard, SPI, UART/USART, USB	Base Part Number	SIM3U1
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RELATED PRODUCTS			
	Part#: SIM3U1XX-B-EDK Description: KIT DEVELOPMENT ENH SIM3U1XX	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U164-B-GMR Description: IC MCU 32BIT 256KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U167-B-GQ Description: IC MCU 32BIT 256KB FLASH 80TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U167-B-GMR Description: IC MCU 32BIT 256KB FLASH 92LGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U156-B-GQ Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U157-B-GQR Description: IC MCU 32BIT 128KB FLASH 80TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U166-B-GQR Description: IC MCU 32BIT 256KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U157-B-GMR Description: IC MCU 32BIT 128KB FLASH 92LGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U164-B-GM Description: IC MCU 32BIT 256KB FLASH 40QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U167-B-GM Description: IC MCU 32BIT 256KB FLASH 92LGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U166-B-GMR Description: IC MCU 32BIT 256KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U167-B-GQR Description: IC MCU 32BIT 256KB FLASH 80TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U1XX-B-DK Description: KIT DEVELOPMENT SIM3U1XX	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U157-B-GM Description: IC MCU 32BIT 128KB FLASH 92LGA	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U167-B-GDI Description: IC MCU 32BIT 256KB FLASH DIE	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U156-B-GM Description: IC MCU 32BIT 128KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U156-B-GQR Description: IC MCU 32BIT 128KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: SIM3U156-B-GMR Description: IC MCU 32BIT 128KB FLASH 64QFN	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: SIM3U166-B-GQ Description: IC MCU 32BIT 256KB FLASH 64TQFP	Manufacturers: Energy Micro (Silicon Labs)	RFQ

Related keywords for **SIM3U166-B-GM**

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