



### SIM3U136-B-GMR

Part Number: **SIM3U136-B-GMR**  
 Product Description: IC MCU 32BIT 32KB FLASH 64QFN  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [SIM3U136-B-GMR.pdf](#)

Manufacturer/Brand: Energy Micro (Silicon Labs)  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation.  
 See specifications for product details.

#### Product details

<b>Part Number</b>	SIM3U136-B-GMR	<b>Manufacturer</b>	Energy Micro (Silicon Labs)
<b>Description</b>	IC MCU 32BIT 32KB FLASH 64QFN	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	SIM3U136-B-GMR.pdf		
<b>Voltage - Supply (Vcc/Vdd)</b>	1.8 V ~ 3.6 V	<b>Supplier Device Package</b>	64-QFN (9x9)
<b>Speed</b>	80MHz	<b>Series</b>	SIM3U1xx
<b>RAM Size</b>	8K x 8	<b>Program Memory Type</b>	FLASH
<b>Program Memory Size</b>	32KB (32K x 8)	<b>Peripherals</b>	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
<b>Packaging</b>	Tape & Reel (TR)	<b>Package / Case</b>	64-VFQFN Exposed Pad
<b>Oscillator Type</b>	Internal	<b>Operating Temperature</b>	-40°C ~ 85°C (TA)
<b>Number of I/O</b>	50	<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant	<b>EEPROM Size</b>	-
<b>Detailed Description</b>	ARM® Cortex®-M3 SIM3U1xx Microcontroller IC 32-Bit 80MHz 32KB (32K x 8) FLASH 64-QFN (9x9)	<b>Data Converters</b>	A/D 28x12b, D/A 2x10b
<b>Core Size</b>	32-Bit	<b>Core Processor</b>	ARM® Cortex®-M3
<b>Connectivity</b>	EBI/EMI, I <sup>2</sup> C, IrDA, SmartCard, SPI, UART/USART, USB	<b>Base Part Number</b>	SIM3U1

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<p><b>SIM3U146-B-GM</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 32BIT 64KB FLASH 64QFN                  Download: <a href="#">SIM3U146-B-GM.pdf</a></p> <p><a href="#">RFQ</a></p>	<p><b>SIM3U136-B-GQ</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 32BIT 32KB FLASH 64TQFP                  Download: <a href="#">SIM3U136-B-GQ.pdf</a></p> <p><a href="#">RFQ</a></p>
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<p><b>SIM3L168-C-GM</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 32BIT 256KB FLASH 92LGA                  Download: <a href="#">SIM3L168-C-GM.pdf</a></p> <p><a href="#">RFQ</a></p>	<p><b>SIM3U134-B-GM</b>                  Manufacturers: Energy Micro (Silicon Labs)                  Description: IC MCU 32BIT 32KB FLASH 40QFN                  Download: <a href="#">SIM3U134-B-GM.pdf</a></p> <p><a href="#">RFQ</a></p>

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