

EFM32GG11B820F2048IQ100-AR



SILICON LABS



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Part Number: [EFM32GG11B820F2048IQ100-AR](#)

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

Description: EFM32 GIANT GECKO 11 ULTRA LOW P

Data sheet:  [EFM32GG11 Family Preliminary](#)

RoHs Status: RoHS Compliant

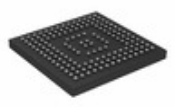
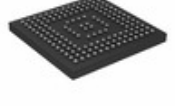
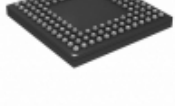
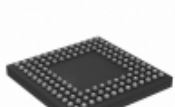
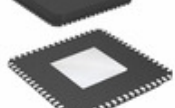
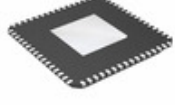
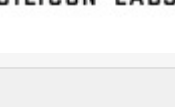
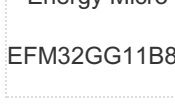
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Request For Quotation

PRODUCT PARAMETER			
Part Number	EFM32GG11B820F2048IQ100-AR	Manufacturer	Energy Micro (Silicon Labs)
Description	EFM32 GIANT GECKO 11 ULTRA LOW P	Lead Free Status / RoHS Status	RoHS Compliant
Quantity Available	11342 pcs	Data sheet	EFM32GG11 Family Preliminary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Supplier Device Package	100-TQFP (14x14)	Speed	72MHz
Series	Giant Gecko S1	RoHS Status	RoHS Compliant
RAM Size	512K x 8	Program Memory Type	FLASH
Program Memory Size	2MB (2M x 8)	Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
Packaging	Tape & Reel (TR)	Package / Case	100-TQFP
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	80	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	6 Weeks	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4 Giant Gecko S1 Microcontroller IC 32-Bit 72MHz 2MB (2M x 8) FLASH 100-TQFP (14x14)	Data Converters	A/D 16x12b SAR, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SmartCard, SPI, UART/USART, USB		
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RELATED PRODUCTS			
	Part#: EFM32GG11B820F2048IL152-B Description: GIANT GECKO 11 ULTRA LOW POWER M	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32GG11B820F2048IL152-A Description: EFM32 GIANT GECKO 11 ULTRA LOW P	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32GG11B840F1024GL120-BR Description: GIANT GECKO 11 ULTRA LOW POWER M	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32GG11B820F2048IQ64-BR Description: GIANT GECKO 11 ULTRA LOW POWER M	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32GG11B840F1024GL120-A Description: EFM32 GIANT GECKO 11 ULTRA LOW P	Manufacturers: Energy Micro (Silicon Labs)	RFQ
	Part#: EFM32GG11B820F2048IM64-A Description: EFM32 GIANT GECKO 11 ULTRA LOW P	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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	Part#: EFM32GG11B820F2048IM64-BR Description: GIANT GECKO 11 ULTRA LOW POWER M	Manufacturers: Energy Micro (Silicon Labs)	RFQ
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