



SILICON LABS

Energy Micro (Silicon Labs)



EFM32GG11B820F2048GQ64-AR

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32GG11B820F2048GQ64-AR                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                     |
| Product description | EFM32 GIANT GECKO 11 ULTRA LOW P                                                                                |
| Datasheets:         |  EFM32GG11B820F2048GQ64-AR.pdf |
| RoHs Status         |  RoHS Compliant                |
| Stock Condition     | 10008 pcs stock                                                                                                 |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

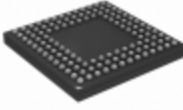
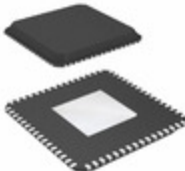
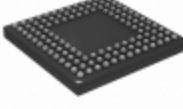
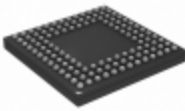
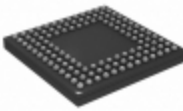
Specifications of EFM32GG11B820F2048GQ64-AR

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32GG11B820F2048GQ64-AR                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                       |
| DESCRIPTION                      | EFM32 GIANT GECKO 11 ULTRA LOW P                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | RoHS Compliant                                                                                                    |
| QUANTITY AVAILABLE               | 10008 pcs                                                                                                         |
| DATA SHEET                       |  EFM32GG11B820F2048GQ64-AR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                   |
| 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                   | 64-TQFP                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                 |
| NUMBER OF I/O                    | 47                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                     |
| EEPROM SIZE                      | -                                                                                                                 |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Giant Gecko S1 Microcontroller IC 32-Bit 72MHz 2MB (2M x 8) FLASH 64-TQFP (10x10)                 |
| 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                  |

Related Tags

|                                                       |                                              |                                                           |
|-------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM32GG11B820F2048GQ64-AR | EFM32GG11B820F2048GQ64-AR Distributor        | EFM32GG11B820F2048GQ64-AR Supplier                        |
| EFM32GG11B820F2048GQ64-AR Price                       | EFM32GG11B820F2048GQ64-AR Pictures           | EFM32GG11B820F2048GQ64-AR Image                           |
| EFM32GG11B820F2048GQ64-AR PDF Datasheet               | EFM32GG11B820F2048GQ64-AR Download Datasheet | EFM32GG11B820F2048GQ64-AR Datasheet                       |
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| Silicon Laboratories EFM32GG11B820F2048GQ64-AR        | Silicon Labs EFM32GG11B820F2048GQ64-AR       |                                                           |

Related Products

|                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>SILICON LABS</div></div> <div><b>EFM32GG11B820F2048GQ100-AR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM32 GIANT GECKO 11 ULTRA LOW P<br/>In stock: 10524 pcs<br/><div>RFQ</div></div> | <div><div>SILICON LABS</div></div> <div><b>EFM32GG11B820F2048GQ100-A</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 8820 pcs<br/><div>RFQ</div></div> |
| <div><div>SILICON LABS</div></div> <div><b>EFM32GG11B820F2048GQ100-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 9856 pcs<br/><div>RFQ</div></div>  | <div><div>SILICON LABS</div></div> <div><b>EFM32GG11B820F2048GQ100-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 8738 pcs<br/><div>RFQ</div></div> |
| <div><div>SILICON LABS</div></div> <div><b>EFM32GG11B820F2048GQ64-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 10071 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>EFM32GG11B820F2048IL120-AR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM32 GIANT GECKO 11 ULTRA LOW P<br/>In stock: 10928 pcs<br/><div>RFQ</div></div>                      |
| <div></div> <div><b>EFM32GG11B820F2048GM64-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 13304 pcs<br/><div>RFQ</div></div>                         | <div><div>SILICON LABS</div></div> <div><b>EFM32GG11B820F2048GQ64-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 7891 pcs<br/><div>RFQ</div></div>  |
| <div><div>SILICON LABS</div></div> <div><b>EFM32GG11B820F2048GQ64-A</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM32 GIANT GECKO 11 ULTRA LOW P<br/>In stock: 12354 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>EFM32GG11B820F2048IL120-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 11059 pcs<br/><div>RFQ</div></div>                      |
| <div></div> <div><b>EFM32GG11B820F2048IL120-A</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM32 GIANT GECKO 11 ULTRA LOW P<br/>In stock: 10327 pcs<br/><div>RFQ</div></div>                         | <div></div> <div><b>EFM32GG11B820F2048IL120-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: GIANT GECKO 11 ULTRA LOW POWER M<br/>In stock: 11037 pcs<br/><div>RFQ</div></div>                       |