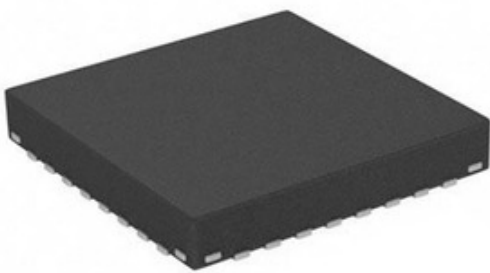




Energy Micro (Silicon Labs)



EFM8BB31F16G-A-QFN32

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM8BB31F16G-A-QFN32                                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                                |
| Product description | IC MCU 8BIT 16KB FLASH 32QFN                                                                                               |
| Datasheets:         |  <a href="#">EFM8BB31F16G-A-QFN32.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant               |
| Stock Condition     | 114042 pcs stock                                                                                                           |
| Ship From           | Hong Kong                                                                                                                  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                      |

REQUEST FOR QUOTATION

Specifications of EFM8BB31F16G-A-QFN32

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM8BB31F16G-A-QFN32                                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                  |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 32QFN                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| QUANTITY AVAILABLE               | 114042 pcs                                                                                                                   |
| DATA SHEET                       |  <a href="#">EFM8BB31F16G-A-QFN32.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.2 V ~ 3.6 V                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 32-QFN (4x4)                                                                                                                 |
| SPEED                            | 50MHz                                                                                                                        |
| SERIES                           | Busy Bee                                                                                                                     |
| RAM SIZE                         | 2.25K x 8                                                                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                        |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                        |
| PACKAGING                        | Tube                                                                                                                         |
| PACKAGE / CASE                   | 32-UFQFN Exposed Pad                                                                                                         |
| OTHER NAMES                      | 336-3441-5                                                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                            |
| NUMBER OF I/O                    | 29                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 6 (Time on Label)                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                            |
| DETAILED DESCRIPTION             | CIP-51 8051 Busy Bee Microcontroller IC 8-Bit 50MHz 16KB (16K x 8) FLASH 32-QFN (4x4)                                        |
| DATA CONVERTERS                  | A/D 20x12b, D/A 2x12b                                                                                                        |
| CORE SIZE                        | 8-Bit                                                                                                                        |
| CORE PROCESSOR                   | CIP-51 8051                                                                                                                  |
| CONNECTIVITY                     | I <sup>2</sup> C, SMBus, SPI, UART/USART                                                                                     |

Related Tags

|                                                  |                                         |                                                      |
|--------------------------------------------------|-----------------------------------------|------------------------------------------------------|
| Energy Micro (Silicon Labs) EFM8BB31F16G-A-QFN32 | EFM8BB31F16G-A-QFN32 Distributor        | EFM8BB31F16G-A-QFN32 Supplier                        |
| EFM8BB31F16G-A-QFN32 Price                       | EFM8BB31F16G-A-QFN32 Pictures           | EFM8BB31F16G-A-QFN32 Image                           |
| EFM8BB31F16G-A-QFN32 PDF Datasheet               | EFM8BB31F16G-A-QFN32 Download Datasheet | EFM8BB31F16G-A-QFN32 Datasheet                       |
| EFM8BB31F16G-A-QFN32 Stock                       | Buy EFM8BB31F16G-A-QFN32                | Buy Energy Micro (Silicon Labs) EFM8BB31F16G-A-QFN32 |
| Energy Micro (Silicon Labs) EFM8BB31F16G-A-QFN32 | Energy Micro (Silicon Labs) Supplier    | Energy Micro (Silicon Labs) Distributor              |
| Energy Micro (Silicon Labs) EFM8BB31F16G-A-QFN32 | Energy Micro EFM8BB31F16G-A-QFN32       | Energy Micro (Silicon Labs) EFM8BB31F16G-A-QFN32     |
| Silicon Laboratories EFM8BB31F16G-A-QFN32        | Silicon Labs EFM8BB31F16G-A-QFN32       |                                                      |

Related Products

|                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>EFM8BB31F16G-A-QSOP24R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QSOP<br/>In stock: 131377 pcs</div><div>RFQ</div></div>   | <div><div>EFM8BB31F16A-B-5QFN32</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM8 8051 8-BIT MCU, AEC-Q100, A<br/>In stock: 80377 pcs</div><div>RFQ</div></div> |
| <div><div>EFM8BB31F16G-A-QFP32</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFP<br/>In stock: 109694 pcs</div><div>RFQ</div></div>      | <div><div>EFM8BB31F16G-A-QFN24</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QFN<br/>In stock: 145357 pcs</div><div>RFQ</div></div>     |
| <div><div>EFM8BB31F16A-B-4QFN24</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM8 8051 8-BIT MCU, AEC-Q100, A<br/>In stock: 84903 pcs</div><div>RFQ</div></div>  | <div><div>EFM8BB31F16G-B-QFN24</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QFN<br/>In stock: 127119 pcs</div><div>RFQ</div></div>     |
| <div><div>EFM8BB31F16G-A-QFP32R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFP<br/>In stock: 110232 pcs</div><div>RFQ</div></div>     | <div><div>EFM8BB31F16G-A-QFN32R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: 134346 pcs</div><div>RFQ</div></div>    |
| <div><div>EFM8BB31F16A-B-5QFN32R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM8 8051 8-BIT MCU, AEC-Q100, A<br/>In stock: 77663 pcs</div><div>RFQ</div></div> | <div><div>EFM8BB22F16I-C-QFN28R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 28QFN<br/>In stock: 95068 pcs</div><div>RFQ</div></div>     |
| <div><div>EFM8BB31F16A-B-4QFN24R</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EFM8 8051 8-BIT MCU, AEC-Q100, A<br/>In stock: 95297 pcs</div><div>RFQ</div></div> | <div><div>EFM8BB31F16G-A-QSOP24</div><div>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 24QSOP<br/>In stock: 125545 pcs</div><div>RFQ</div></div>   |