



SILICON LABS

Energy Micro (Silicon Labs)

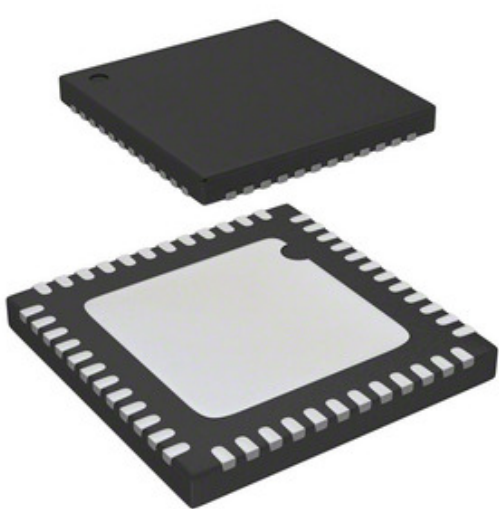


Image may be representation. See specifications for product details.

EFR32BG1B132F256GM48-C0

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFR32BG1B132F256GM48-C0                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                   |
| Product description | IC RF TXRX+MCU BLUETOOTH 48QFN                                                                                |
| Datasheets:         |  EFR32BG1B132F256GM48-C0.pdf |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 31981 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

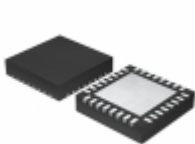
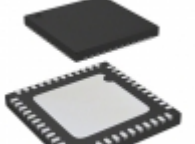
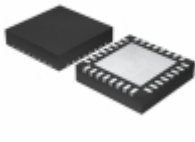
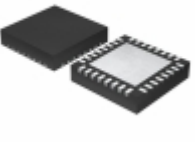
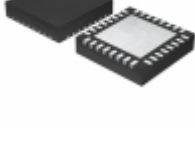
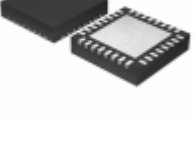
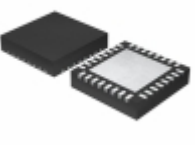
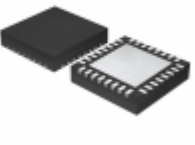
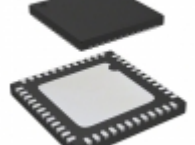
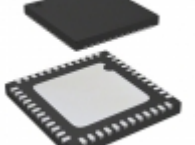
Specifications of EFR32BG1B132F256GM48-C0

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFR32BG1B132F256GM48-C0                                                                                       |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                   |
| DESCRIPTION                      | IC RF TXRX+MCU BLUETOOTH 48QFN                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                    |
| QUANTITY AVAILABLE               | 31981 pcs                                                                                                     |
| DATA SHEET                       |  EFR32BG1B132F256GM48-C0.pdf |
| VOLTAGE - SUPPLY                 | 1.85 V ~ 3.8 V                                                                                                |
| TYPE                             | TxRx + MCU                                                                                                    |
| SERIES                           | -                                                                                                             |
| SERIAL INTERFACES                | I²C, I²S, SPI, UART                                                                                           |
| SENSITIVITY                      | -94dBm                                                                                                        |
| RF FAMILY/STANDARD               | Bluetooth                                                                                                     |
| PROTOCOL                         | Bluetooth v4.0                                                                                                |
| POWER - OUTPUT                   | 3dBm                                                                                                          |
| PACKAGING                        | Tray                                                                                                          |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                    |
| MODULATION                       | 2FSK, 4FSK, GFSK, GMSK, OQPSK                                                                                 |
| MEMORY SIZE                      | 256kB Flash, 32kB RAM                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                    |
| GPIO                             | 16                                                                                                            |
| FREQUENCY                        | 2.4GHz                                                                                                        |
| DETAILED DESCRIPTION             | IC RF TxRx + MCU Bluetooth Bluetooth v4.0 2.4GHz 48-VFQFN Exposed Pad                                         |
| DATA RATE (MAX)                  | 2Mbps                                                                                                         |
| CURRENT - TRANSMITTING           | 8.2mA ~ 126.7mA                                                                                               |
| CURRENT - RECEIVING              | 8.7mA                                                                                                         |

Related Tags

|                                                     |                                            |                                                         |
|-----------------------------------------------------|--------------------------------------------|---------------------------------------------------------|
| Energy Micro (Silicon Labs) EFR32BG1B132F256GM48-C0 | EFR32BG1B132F256GM48-C0 Distributor        | EFR32BG1B132F256GM48-C0 Supplier                        |
| EFR32BG1B132F256GM48-C0 Price                       | EFR32BG1B132F256GM48-C0 Pictures           | EFR32BG1B132F256GM48-C0 Image                           |
| EFR32BG1B132F256GM48-C0 PDF Datasheet               | EFR32BG1B132F256GM48-C0 Download Datasheet | EFR32BG1B132F256GM48-C0 Datasheet                       |
| EFR32BG1B132F256GM48-C0 Stock                       | Buy EFR32BG1B132F256GM48-C0                | Buy Energy Micro (Silicon Labs) EFR32BG1B132F256GM48-C0 |
| Energy Micro (Silicon Labs) EFR32BG1B132F256GM48-C0 | Energy Micro (Silicon Labs) Supplier       | Energy Micro (Silicon Labs) Distributor                 |
| Energy Micro (Silicon Labs) EFR32BG1B132F256GM48-C0 | Energy Micro EFR32BG1B132F256GM48-C0       | Energy Micro (Silicon Labs) EFR32BG1B132F256GM48-C0     |
| Silicon Laboratories EFR32BG1B132F256GM48-C0        | Silicon Labs EFR32BG1B132F256GM48-C0       |                                                         |

Related Products

|                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>EFR32BG1B132F256GM32-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 32QFN<br/>In stock: 35412 pcs</div> <div>RFQ</div> |  <div><b>EFR32BG1B132F256GM48-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 48QFN<br/>In stock: 24496 pcs</div> <div>RFQ</div>  |
|  <div><b>EFR32BG1B132F256GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 32QFN<br/>In stock: 30612 pcs</div> <div>RFQ</div>  |  <div><b>EFR32BG1B232F128GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 32QFN<br/>In stock: 25150 pcs</div> <div>RFQ</div>  |
|  <div><b>EFR32BG1B232F128GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 32QFN<br/>In stock: 24090 pcs</div> <div>RFQ</div>  |  <div><b>EFR32BG1B132F256GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 32QFN<br/>In stock: 24155 pcs</div> <div>RFQ</div>  |
|  <div><b>EFR32BG1B132F256IM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE GECKO<br/>In stock: 23747 pcs</div> <div>RFQ</div>                      |  <div><b>EFR32BG1B232F128GM32-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 32QFN<br/>In stock: 25040 pcs</div> <div>RFQ</div> |
|  <div><b>EFR32BG1B132F256IM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE GECKO<br/>In stock: 33150 pcs</div> <div>RFQ</div>                     |  <div><b>EFR32BG1B132F256GM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 32QFN<br/>In stock: 37008 pcs</div> <div>RFQ</div> |
|  <div><b>EFR32BG1B132F256GM48-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 48QFN<br/>In stock: 33760 pcs</div> <div>RFQ</div> |  <div><b>EFR32BG1B132F256GM48-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU BLUETOOTH 48QFN<br/>In stock: 32526 pcs</div> <div>RFQ</div> |