



EFR32MG1B132F256GM48-B0R

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFR32MG1B132F256GM48-B0R                                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                                    |
| Product description | IC MCU 32BIT 256KB 48QFN                                                                                                       |
| Datasheets:         |  <a href="#">EFR32MG1B132F256GM48-B0R.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant                   |
| Stock Condition     | 19373 pcs stock                                                                                                                |
| Ship From           | Hong Kong                                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                          |

REQUEST FOR QUOTATION

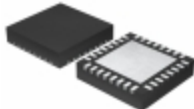
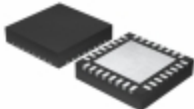
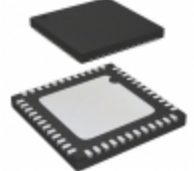
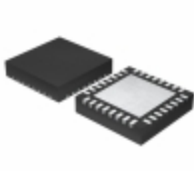
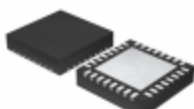
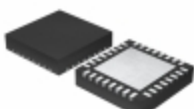
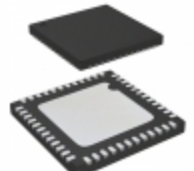
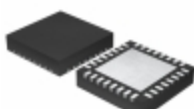
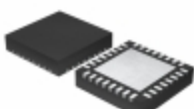
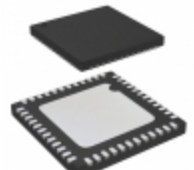
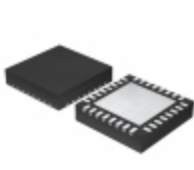
Specifications of EFR32MG1B132F256GM48-B0R

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFR32MG1B132F256GM48-B0R                                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 256KB 48QFN                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                       |
| QUANTITY AVAILABLE               | 19373 pcs                                                                                                                        |
| DATA SHEET                       |  <a href="#">EFR32MG1B132F256GM48-B0R.pdf</a> |
| VOLTAGE - SUPPLY                 | 3.3V                                                                                                                             |
| TYPE                             | TxRx + MCU                                                                                                                       |
| SERIES                           | Mighty Gecko                                                                                                                     |
| SERIAL INTERFACES                | I²C, I²S, SPI, UART                                                                                                              |
| SENSITIVITY                      | -99dBm                                                                                                                           |
| RF FAMILY/STANDARD               | 802.15.4, Bluetooth                                                                                                              |
| PROTOCOL                         | Bluetooth v4.0, Zigbee®                                                                                                          |
| POWER - OUTPUT                   | 19.5dBm                                                                                                                          |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                 |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                                       |
| MODULATION                       | DSSS, O-QPSK, GFSK                                                                                                               |
| MEMORY SIZE                      | 256kB Flash, 32kB RAM                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                       |
| GPIO                             | 31                                                                                                                               |
| FREQUENCY                        | 2.4GHz                                                                                                                           |
| DETAILED DESCRIPTION             | IC RF TxRx + MCU 802.15.4, Bluetooth Bluetooth v4.0, Zigbee® 2.4GHz 48-VFQFN Exposed Pad                                         |
| DATA RATE (MAX)                  | 1Mbps                                                                                                                            |
| CURRENT - TRANSMITTING           | 8.2mA                                                                                                                            |
| CURRENT - RECEIVING              | 8.6mA ~ 9.1mA                                                                                                                    |

Related Tags

|                                                      |                                             |                                                          |
|------------------------------------------------------|---------------------------------------------|----------------------------------------------------------|
| Energy Micro (Silicon Labs) EFR32MG1B132F256GM48-B0R | EFR32MG1B132F256GM48-B0R Distributor        | EFR32MG1B132F256GM48-B0R Supplier                        |
| EFR32MG1B132F256GM48-B0R Price                       | EFR32MG1B132F256GM48-B0R Pictures           | EFR32MG1B132F256GM48-B0R Image                           |
| EFR32MG1B132F256GM48-B0R PDF Datasheet               | EFR32MG1B132F256GM48-B0R Download Datasheet | EFR32MG1B132F256GM48-B0R Datasheet                       |
| EFR32MG1B132F256GM48-B0R Stock                       | Buy EFR32MG1B132F256GM48-B0R                | Buy Energy Micro (Silicon Labs) EFR32MG1B132F256GM48-B0R |
| Energy Micro (Silicon Labs) EFR32MG1B132F256GM48-B0R | Energy Micro (Silicon Labs) Supplier        | Energy Micro (Silicon Labs) Distributor                  |
| Energy Micro (Silicon Labs) EFR32MG1B132F256GM48-B0R | Energy Micro EFR32MG1B132F256GM48-B0R       | Energy Micro (Silicon Labs) EFR32MG1B132F256GM48-B0R     |
| Silicon Laboratories EFR32MG1B132F256GM48-B0R        | Silicon Labs EFR32MG1B132F256GM48-B0R       |                                                          |

Related Products

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| <div></div> <div><b>EFR32MG1B232F256GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB 32QFN<br/>In stock: 17363 pcs<br/><b>RFQ</b></div>          | <div></div> <div><b>EFR32MG1B132F256GM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU 802.15.4 32-QFN<br/>In stock: 25493 pcs<br/><b>RFQ</b></div> |
| <div></div> <div><b>EFR32MG1B132F256GM48-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB 48QFN<br/>In stock: 15461 pcs<br/><b>RFQ</b></div>          | <div></div> <div><b>EFR32MG1B232F256GM32-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB 32QFN<br/>In stock: 15043 pcs<br/><b>RFQ</b></div>       |
| <div></div> <div><b>EFR32MG1B232F256GM32-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU 802.15.4 32-QFN<br/>In stock: 18898 pcs<br/><b>RFQ</b></div>   | <div></div> <div><b>EFR32MG1B132F256GM32-B0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB 32QFN<br/>In stock: 15610 pcs<br/><b>RFQ</b></div>        |
| <div></div> <div><b>EFR32MG14P733F256IM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY PREMIUM QFN48 DUAL EXTEND<br/>In stock: 11928 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>EFR32MG1B132F256GM48-C0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU 802.15.4 48-QFN<br/>In stock: 21422 pcs<br/><b>RFQ</b></div> |
| <div></div> <div><b>EFR32MG1B132F256GM32-B0R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB 32QFN<br/>In stock: 18102 pcs<br/><b>RFQ</b></div>         | <div></div> <div><b>EFR32MG1B132F256GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 22992 pcs<br/><b>RFQ</b></div>  |
| <div></div> <div><b>EFR32MG1B132F256GM48-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 48QFN<br/>In stock: 21907 pcs<br/><b>RFQ</b></div>    | <div></div> <div><b>EFR32MG1B232F256GM32-C0</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC RF TXRX+MCU 802.15.4 32-QFN<br/>In stock: 18073 pcs<br/><b>RFQ</b></div>  |