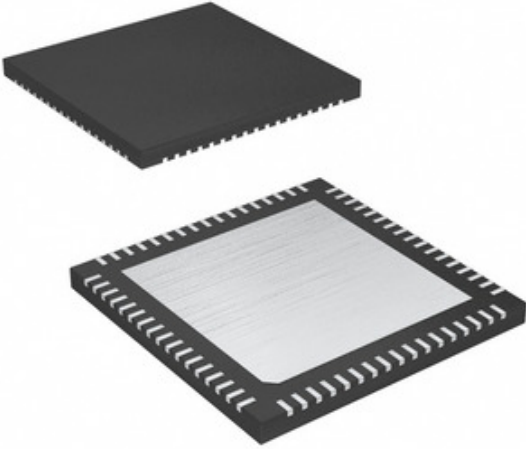




Energy Micro (Silicon Labs)



EFR32MG12P431F1024GM68-C

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFR32MG12P431F1024GM68-C                                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                                    |
| Product description | MIGHTY GECKO MESH MULTI-PROTOCOL                                                                                               |
| Datasheets:         |  <a href="#">EFR32MG12P431F1024GM68-C.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant                   |
| Stock Condition     | 8582 pcs stock                                                                                                                 |
| Ship From           | Hong Kong                                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                          |

REQUEST FOR QUOTATION

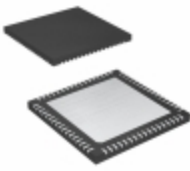
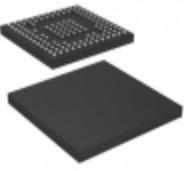
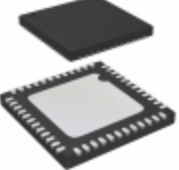
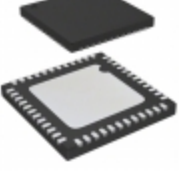
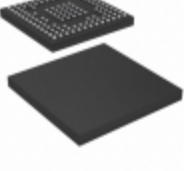
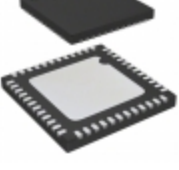
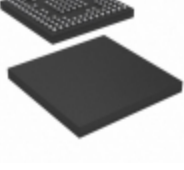
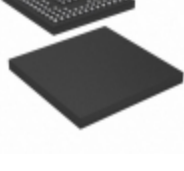
Specifications of EFR32MG12P431F1024GM68-C

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFR32MG12P431F1024GM68-C                                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                      |
| DESCRIPTION                      | MIGHTY GECKO MESH MULTI-PROTOCOL                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                       |
| QUANTITY AVAILABLE               | 8582 pcs                                                                                                                         |
| DATA SHEET                       |  <a href="#">EFR32MG12P431F1024GM68-C.pdf</a> |
| VOLTAGE - SUPPLY                 | 1.8 V ~ 3.8 V                                                                                                                    |
| TYPE                             | TxRx + MCU                                                                                                                       |
| SERIES                           | Mighty Gecko                                                                                                                     |
| SERIAL INTERFACES                | I²C, I²S, IrDA, SPI, UART                                                                                                        |
| SENSITIVITY                      | -102dBm                                                                                                                          |
| RF FAMILY/STANDARD               | 802.15.4, Bluetooth                                                                                                              |
| PROTOCOL                         | Bluetooth v4.0, Thread, Zigbee®                                                                                                  |
| POWER - OUTPUT                   | 20dBm                                                                                                                            |
| PACKAGING                        | Tray                                                                                                                             |
| PACKAGE / CASE                   | 68-VFQFN Exposed Pad                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                    |
| MODULATION                       | 2GFSK, 4GFSK, ASK, DSSS, BPSK, DBPSK, GMSK, O-QPSK, OOK                                                                          |
| MEMORY SIZE                      | 1MB Flash, 256kB RAM                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                       |
| GPIO                             | 46                                                                                                                               |
| FREQUENCY                        | 2.4GHz                                                                                                                           |
| DETAILED DESCRIPTION             | IC RF TxRx + MCU 802.15.4, Bluetooth Bluetooth v4.0, Thread, Zigbee® 2.4GHz 68-VFQFN Exposed Pad                                 |
| DATA RATE (MAX)                  | 38.4kbps                                                                                                                         |
| CURRENT - TRANSMITTING           | 20.3mA ~ 134.3mA                                                                                                                 |
| CURRENT - RECEIVING              | 8.4mA ~ 13mA                                                                                                                     |

Related Tags

|                                                      |                                             |                                                          |
|------------------------------------------------------|---------------------------------------------|----------------------------------------------------------|
| Energy Micro (Silicon Labs) EFR32MG12P431F1024GM68-C | EFR32MG12P431F1024GM68-C Distributor        | EFR32MG12P431F1024GM68-C Supplier                        |
| EFR32MG12P431F1024GM68-C Price                       | EFR32MG12P431F1024GM68-C Pictures           | EFR32MG12P431F1024GM68-C Image                           |
| EFR32MG12P431F1024GM68-C PDF Datasheet               | EFR32MG12P431F1024GM68-C Download Datasheet | EFR32MG12P431F1024GM68-C Datasheet                       |
| EFR32MG12P431F1024GM68-C Stock                       | Buy EFR32MG12P431F1024GM68-C                | Buy Energy Micro (Silicon Labs) EFR32MG12P431F1024GM68-C |
| Energy Micro (Silicon Labs) EFR32MG12P431F1024GM68-C | Energy Micro (Silicon Labs) Supplier        | Energy Micro (Silicon Labs) Distributor                  |
| Energy Micro (Silicon Labs) EFR32MG12P431F1024GM68-C | Energy Micro EFR32MG12P431F1024GM68-C       | Energy Micro (Silicon Labs) EFR32MG12P431F1024GM68-C     |
| Silicon Laboratories EFR32MG12P431F1024GM68-C        | Silicon Labs EFR32MG12P431F1024GM68-C       |                                                          |

Related Products

|                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>EFR32MG12P431F1024GM68-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO MESH MULTI-PROTOCOL<br/>In stock: 11246 pcs<br/><b>RFQ</b></div>  | <div></div> <div><b>EFR32MG12P432F1024GL125-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 10420 pcs<br/><b>RFQ</b></div>                    |
| <div></div> <div><b>EFR32MG12P332F1024IM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 11759 pcs<br/><b>RFQ</b></div>                      | <div></div> <div><b>EFR32MG12P332F1024GM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO QFN48 2.4G 10DB MES<br/>In stock: 12148 pcs<br/><b>RFQ</b></div> |
| <div></div> <div><b>EFR32MG12P432F1024GM48-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO QFN48 2.4G 19DB MES<br/>In stock: 8405 pcs<br/><b>RFQ</b></div>    | <div></div> <div><b>EFR32MG12P432F1024GL125-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO BGA125 2.4G 19DB ME<br/>In stock: 10189 pcs<br/><b>RFQ</b></div> |
| <div></div> <div><b>EFR32MG12P332F1024GM48-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO QFN48 2.4G 10DB MES<br/>In stock: 12460 pcs<br/><b>RFQ</b></div>   | <div></div> <div><b>EFR32MG12P432F1024GL125-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO BGA125 2.4G 19DB ME<br/>In stock: 8519 pcs<br/><b>RFQ</b></div>  |
| <div></div> <div><b>EFR32MG12P432F1024GL125-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO BGA125 2.4G 19DB ME<br/>In stock: 11050 pcs<br/><b>RFQ</b></div> | <div></div> <div><b>EFR32MG12P332F1024GM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 11751 pcs<br/><b>RFQ</b></div>                      |
| <div></div> <div><b>EFR32MG12P332F1024IM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 8964 pcs<br/><b>RFQ</b></div>                        | <div></div> <div><b>EFR32MG12P332F1024GM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 10979 pcs<br/><b>RFQ</b></div>                     |