



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

EFR32MG12P132F512GM68-CR

|                     |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFR32MG12P132F512GM68-CR                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                      |
| Product description | MIGHTY GECKO MESH MULTI-PROTOCOL                                                                                 |
|                     |  1.EFR32MG12P132F512GM68-CR.pdf |
|                     |  2.EFR32MG12P132F512GM68-CR.pdf |
|                     |  3.EFR32MG12P132F512GM68-CR.pdf |
| Datasheets:         |                                                                                                                  |
| RoHs Status         |  Lead free / RoHS Compliant     |
| Stock Condition     | 16725 pcs stock                                                                                                  |
| Ship From           | Hong Kong                                                                                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                            |

REQUEST FOR QUOTATION

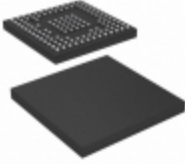
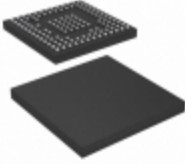
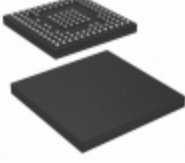
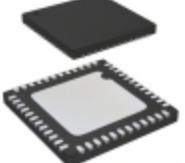
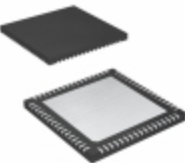
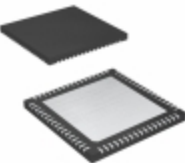
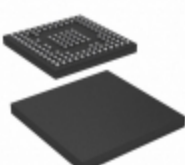
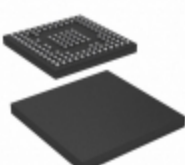
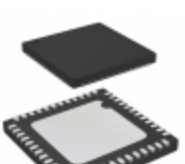
Specifications of EFR32MG12P132F512GM68-CR

|                                  |                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFR32MG12P132F512GM68-CR                                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | MIGHTY GECKO MESH MULTI-PROTOCOL                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                     |
| QUANTITY AVAILABLE               | 16725 pcs                                                                                                                                                                                                                                                                                                                                                      |
| DATA SHEET                       |  1.EFR32MG12P132F512GM68-CR.pdf<br> 2.EFR32MG12P132F512GM68-CR.pdf<br> 3.EFR32MG12P132F512GM68-CR.pdf |
| VOLTAGE - SUPPLY                 | 1.8 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                                  |
| TYPE                             | TxRx + MCU                                                                                                                                                                                                                                                                                                                                                     |
| SERIES                           | Mighty Gecko                                                                                                                                                                                                                                                                                                                                                   |
| SERIAL INTERFACES                | I²C, I²S, SPI, UART                                                                                                                                                                                                                                                                                                                                            |
| SENSITIVITY                      | -126.2dBm                                                                                                                                                                                                                                                                                                                                                      |
| RF FAMILY/STANDARD               | 802.15.4, Bluetooth                                                                                                                                                                                                                                                                                                                                            |
| PROTOCOL                         | Bluetooth v5.0, Wireless M-Bus, Zigbee®                                                                                                                                                                                                                                                                                                                        |
| POWER - OUTPUT                   | 0dBm                                                                                                                                                                                                                                                                                                                                                           |
| PACKAGING                        | Cut Tape (CT)                                                                                                                                                                                                                                                                                                                                                  |
| PACKAGE / CASE                   | 68-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                           |
| OTHER NAMES                      | 336-5098-1                                                                                                                                                                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                                                                                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                  |
| MODULATION                       | 2-FSK, 4-FSK, ASK, BPSK, DBPSK, DSSS, GFSK, GMSK, OOK, O-QPSK                                                                                                                                                                                                                                                                                                  |
| MEMORY SIZE                      | 512kB Flash, 128kB 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 v5.0, Wireless M-Bus, Zigbee® 2.4GHz 68-VFQFN Exposed Pad                                                                                                                                                                                                                                                       |
| DATA RATE (MAX)                  | 2Mbps                                                                                                                                                                                                                                                                                                                                                          |
| CURRENT - TRANSMITTING           | 8.5mA ~ 35.3mA                                                                                                                                                                                                                                                                                                                                                 |
| CURRENT - RECEIVING              | 8.4mA ~ 10mA                                                                                                                                                                                                                                                                                                                                                   |

Related Tags

|                                                      |                                             |                                                          |
|------------------------------------------------------|---------------------------------------------|----------------------------------------------------------|
| Energy Micro (Silicon Labs) EFR32MG12P132F512GM68-CR | EFR32MG12P132F512GM68-CR Distributor        | EFR32MG12P132F512GM68-CR Supplier                        |
| EFR32MG12P132F512GM68-CR Price                       | EFR32MG12P132F512GM68-CR Pictures           | EFR32MG12P132F512GM68-CR Image                           |
| EFR32MG12P132F512GM68-CR PDF Datasheet               | EFR32MG12P132F512GM68-CR Download Datasheet | EFR32MG12P132F512GM68-CR Datasheet                       |
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| Silicon Laboratories EFR32MG12P132F512GM68-CR        | Silicon Labs EFR32MG12P132F512GM68-CR       |                                                          |

Related Products

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|  <div><b>EFR32MG12P232F1024GL125-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO BGA125 2.4G 19DB ME<br/>In stock: 10396 pcs<br/><div>RFQ</div></div> |  <div><b>EFR32MG12P232F1024GL125-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 10841 pcs<br/><div>RFQ</div></div>                    |
|  <div><b>EFR32MG12P132F1024GM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 12917 pcs<br/><div>RFQ</div></div>                      |  <div><b>EFR32MG12P132F512GM68-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO MESH MULTI-PROTOCOL<br/>In stock: 14072 pcs<br/><div>RFQ</div></div>   |
|  <div><b>EFR32MG12P232F1024GL125-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 10847 pcs<br/><div>RFQ</div></div>                     |  <div><b>EFR32MG12P132F1024GM48-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO QFN48 2.4G 10DB MES<br/>In stock: 11363 pcs<br/><div>RFQ</div></div>  |
|  <div><b>EFR32MG12P231F1024GM68-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO MESH MULTI-PROTOCOL<br/>In stock: 10649 pcs<br/><div>RFQ</div></div> |  <div><b>EFR32MG12P231F1024GM68-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO MESH MULTI-PROTOCOL<br/>In stock: 9876 pcs<br/><div>RFQ</div></div>   |
|  <div><b>EFR32MG12P132F1024GL125-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 14087 pcs<br/><div>RFQ</div></div>                    |  <div><b>EFR32MG12P232F1024GL125-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO BGA125 2.4G 19DB ME<br/>In stock: 9874 pcs<br/><div>RFQ</div></div> |
|  <div><b>EFR32MG12P132F1024GM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO<br/>In stock: 13512 pcs<br/><div>RFQ</div></div>                     |  <div><b>EFR32MG12P132F1024GM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: MIGHTY GECKO QFN48 2.4G 10DB MES<br/>In stock: 14321 pcs<br/><div>RFQ</div></div> |

