



EFR32BG13P632F512IM32-C

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFR32BG13P632F512IM32-C                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                   |
| Product description | BLUE GECKO MULTI-PROTOCOL                                                                                     |
| Datasheets:         |  EFR32BG13P632F512IM32-C.pdf |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

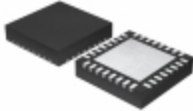
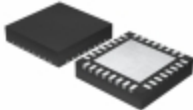
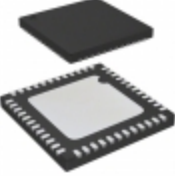
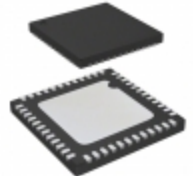
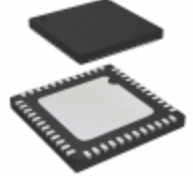
Specifications of EFR32BG13P632F512IM32-C

|                                  |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFR32BG13P632F512IM32-C                                                                                         |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                     |
| DESCRIPTION                      | BLUE GECKO MULTI-PROTOCOL                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                      |
| DATA SHEET                       |  EFR32BG13P632F512IM32-C.pdf |
| VOLTAGE - SUPPLY                 | 1.8 V ~ 3.8 V                                                                                                   |
| TYPE                             | TxRx + MCU                                                                                                      |
| SERIES                           | EFR32™ Blue Gecko                                                                                               |
| SERIAL INTERFACES                | I²C, UART, USART                                                                                                |
| SENSITIVITY                      | -126.2dBm                                                                                                       |
| RF FAMILY/STANDARD               | 802.15.4, Bluetooth                                                                                             |
| PROTOCOL                         | Bluetooth v5.0                                                                                                  |
| POWER - OUTPUT                   | 19dBm                                                                                                           |
| PACKAGE / CASE                   | 48-VFQFN Exposed Pad                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 85°C                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                   |
| MODULATION                       | 2GFSK, 4GFSK, ASK, BPSK, DBPSK, DSSS, GMSK, OOK, OQPSK                                                          |
| MEMORY SIZE                      | 512kB Flash, 64kB RAM                                                                                           |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                                                         |
| 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 2.4GHz 48-VFQFN Exposed Pad                                 |
| DATA RATE (MAX)                  | 1Mbps                                                                                                           |
| CURRENT - TRANSMITTING           | 8.5mA ~ 35.3mA                                                                                                  |
| CURRENT - RECEIVING              | 9.5mA                                                                                                           |

Related Tags

|                                                     |                                            |                                                         |
|-----------------------------------------------------|--------------------------------------------|---------------------------------------------------------|
| Energy Micro (Silicon Labs) EFR32BG13P632F512IM32-C | EFR32BG13P632F512IM32-C Distributor        | EFR32BG13P632F512IM32-C Supplier                        |
| EFR32BG13P632F512IM32-C Price                       | EFR32BG13P632F512IM32-C Pictures           | EFR32BG13P632F512IM32-C Image                           |
| EFR32BG13P632F512IM32-C PDF Datasheet               | EFR32BG13P632F512IM32-C Download Datasheet | EFR32BG13P632F512IM32-C Datasheet                       |
| EFR32BG13P632F512IM32-C Stock                       | Buy EFR32BG13P632F512IM32-C                | Buy Energy Micro (Silicon Labs) EFR32BG13P632F512IM32-C |
| Energy Micro (Silicon Labs) EFR32BG13P632F512IM32-C | Energy Micro (Silicon Labs) Supplier       | Energy Micro (Silicon Labs) Distributor                 |
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| Silicon Laboratories EFR32BG13P632F512IM32-C        | Silicon Labs EFR32BG13P632F512IM32-C       |                                                         |

Related Products

|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>EFR32BG13P732F512GM32-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE GECKO QFN32 2.4G 19DB BLE M<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>EFR32BG13P732F512GM48-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE PREMIUM QFN48 2.4G 19 DBM B<br/>In stock: 598 pcs<br/><div>RFQ</div></div>    |
|  <div><b>EFR32BG13P632F512GM48-B</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE PREMIUM QFN48 2.4G 10 DBM B<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>EFR32BG13P632F512GM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE PREMIUM QFN48 2.4G 10 DBM B<br/>In stock: 607 pcs<br/><div>RFQ</div></div>    |
|  <div><b>EFR32BG13P732F512GM32-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE GECKO MULTI-PROTOCOL<br/>In stock: Out stock<br/><div>RFQ</div></div>        |  <div><b>EFR32BG13P632F512GM32-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE GECKO MULTI-PROTOCOL<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
|  <div><b>EFR32BG13P632F512GM32-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE GECKO MULTI-PROTOCOL<br/>In stock: Out stock<br/><div>RFQ</div></div>        |  <div><b>EFR32BG13P632F512IM48-C</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE PREMIUM QFN48 2.4G 10 DBM B<br/>In stock: 508 pcs<br/><div>RFQ</div></div>    |
|  <div><b>EFR32BG13P632F512IM32-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE GECKO MULTI-PROTOCOL<br/>In stock: Out stock<br/><div>RFQ</div></div>        |  <div><b>EFR32BG13P632F512GM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE PREMIUM QFN48 2.4G 10 DBM B<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>EFR32BG13P632F512IM48-CR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE PREMIUM QFN48 2.4G 10 DBM B<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>EFR32BG13P632F512GM48-BR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: BLUE PREMIUM QFN48 2.4G 10 DBM B<br/>In stock: Out stock<br/><div>RFQ</div></div> |