



EFM32WG290F256-BGA112

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32WG290F256-BGA112                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                   |
| Product description | IC MCU 32BIT 256KB FLASH 112BGA                                                                               |
| Datasheets:         |  1.EFM32WG290F256-BGA112.pdf |
|                     |  2.EFM32WG290F256-BGA112.pdf |
|                     |  3.EFM32WG290F256-BGA112.pdf |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 16943 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

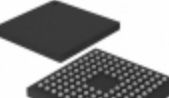
Specifications of EFM32WG290F256-BGA112

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32WG290F256-BGA112                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 112BGA                                                                                                                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| QUANTITY AVAILABLE               | 16943 pcs                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.EFM32WG290F256-BGA112.pdf<br> 2.EFM32WG290F256-BGA112.pdf<br> 3.EFM32WG290F256-BGA112.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 112-BGA (10x10)                                                                                                                                                                                                                                                                                                                                       |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                                 |
| SERIES                           | Wonder Gecko                                                                                                                                                                                                                                                                                                                                          |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                 |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                                                                                                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                                                                                       |
| PACKAGING                        | Cut Tape (CT)                                                                                                                                                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 112-LFBGA                                                                                                                                                                                                                                                                                                                                             |
| OTHER NAMES                      | 914-1096-1                                                                                                                                                                                                                                                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 90                                                                                                                                                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4F Wonder Gecko Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 112-BGA (10x10)                                                                                                                                                                                                                                                  |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b                                                                                                                                                                                                                                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                                                                                                                                                                                                                                                                      |
| CONNECTIVITY                     | EBI/EMI, I²C, IrDA, SmartCard, SPI, UART/USART                                                                                                                                                                                                                                                                                                        |

Related Tags

|                                                   |                                          |                                                       |
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| EFM32WG290F256-BGA112 PDF Datasheet               | EFM32WG290F256-BGA112 Download Datasheet | EFM32WG290F256-BGA112 Datasheet                       |
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| Silicon Laboratories EFM32WG290F256-BGA112        | Silicon Labs EFM32WG290F256-BGA112       |                                                       |

Related Products

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|  <div>EFM32WG280F64-QFP100</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 100LQFP</div> <div>In stock: 28601 pcs</div> <div>RFQ</div>   |  <div>EFM32WG295F128-BGA120T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 128KB FLASH 120BGA</div> <div>In stock: 22639 pcs</div> <div>RFQ</div>  |
|  <div>EFM32WG295F256-BGA120</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 256KB FLASH 120BGA</div> <div>In stock: 19419 pcs</div> <div>RFQ</div>  |  <div>EFM32WG280F256-QFP100</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 256KB FLASH 100LQFP</div> <div>In stock: 20510 pcs</div> <div>RFQ</div>  |
|  <div>EFM32WG290F64-BGA112T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 112LFBGA</div> <div>In stock: 25731 pcs</div> <div>RFQ</div> |  <div>EFM32WG280F256-QFP100T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 256KB FLASH 100LQFP</div> <div>In stock: 15699 pcs</div> <div>RFQ</div> |
|  <div>EFM32WG295F128-BGA120</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 128KB FLASH 120BGA</div> <div>In stock: 23611 pcs</div> <div>RFQ</div>  |  <div>EFM32WG280F64-QFP100T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 100LQFP</div> <div>In stock: 24107 pcs</div> <div>RFQ</div>   |
|  <div>EFM32WG290F256-BGA112T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 256KB FLASH 112BGA</div> <div>In stock: 21585 pcs</div> <div>RFQ</div> |  <div>EFM32WG290F128-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 128KB FLASH 112BGA</div> <div>In stock: 23692 pcs</div> <div>RFQ</div>   |
|  <div>EFM32WG290F64-BGA112</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 64KB FLASH 112LFBGA</div> <div>In stock: 26822 pcs</div> <div>RFQ</div>  |  <div>EFM32WG290F128-BGA112T</div> <div>Manufacturers: Energy Micro (Silicon Labs)</div> <div>Description: IC MCU 32BIT 128KB FLASH 112BGA</div> <div>In stock: 20504 pcs</div> <div>RFQ</div>  |