



Energy Micro (Silicon Labs)



EFM32WG842F256-QFP64T

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | EFM32WG842F256-QFP64T                                                                                         |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                   |
| Product description | IC MCU 32BIT 256KB FLASH 64TQFP                                                                               |
|                     |  1.EFM32WG842F256-QFP64T.pdf |
|                     |  2.EFM32WG842F256-QFP64T.pdf |
|                     |  3.EFM32WG842F256-QFP64T.pdf |
| Datasheets:         |                                                                                                               |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 19332 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

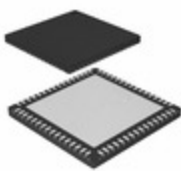
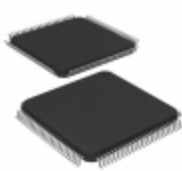
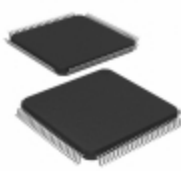
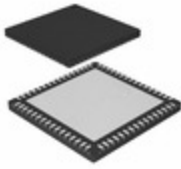
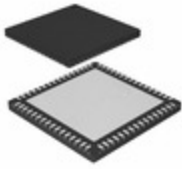
Specifications of EFM32WG842F256-QFP64T

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EFM32WG842F256-QFP64T                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                                                                                                                                                                                                                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64TQFP                                                                                                                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| QUANTITY AVAILABLE               | 19332 pcs                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.EFM32WG842F256-QFP64T.pdf<br> 2.EFM32WG842F256-QFP64T.pdf<br> 3.EFM32WG842F256-QFP64T.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.85 V ~ 3.8 V                                                                                                                                                                                                                                                                                                                                        |
| 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, LCD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                  |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                  |
| PACKAGE / CASE                   | 64-TQFP                                                                                                                                                                                                                                                                                                                                               |
| OTHER NAMES                      | 336-4594<br>EFM32WG842F256-QFP64-T<br>EFM32WG842F256-QFP64T-ND<br>EFM32WG842F256-T<br>EFM32WG842F256-T-ND                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 53                                                                                                                                                                                                                                                                                                                                                    |
| 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                                                                                                                                                                                                                                                                  |
| DATA CONVERTERS                  | A/D 8x12b, D/A 2x12b                                                                                                                                                                                                                                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M4F                                                                                                                                                                                                                                                                                                                                      |
| CONNECTIVITY                     | I²C, IrDA, SmartCard, SPI, UART/USART                                                                                                                                                                                                                                                                                                                 |

Related Tags

|                                                   |                                          |                                                       |
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| EFM32WG842F256-QFP64T Price                       | EFM32WG842F256-QFP64T Pictures           | EFM32WG842F256-QFP64T Image                           |
| EFM32WG842F256-QFP64T PDF Datasheet               | EFM32WG842F256-QFP64T Download Datasheet | EFM32WG842F256-QFP64T Datasheet                       |
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| Silicon Laboratories EFM32WG842F256-QFP64T        | Silicon Labs EFM32WG842F256-QFP64T       |                                                       |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
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|  <div>EFM32WG840F64-QFN64<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 35235 pcs</div> <div>RFQ</div>       |  <div>EFM32WG880F128-QFP100<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 25825 pcs</div> <div>RFQ</div> |
|  <div>EFM32WG880F128-QFP100T<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 18857 pcs</div> <div>RFQ</div> |  <div>EFM32WG842F64-QFP64<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: 30289 pcs</div> <div>RFQ</div>     |
|  <div>EFM32WG840F256-QFN64T<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64QFN<br/>In stock: 19859 pcs</div> <div>RFQ</div>    |  <div>EFM32WG840F64-QFN64T<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64QFN<br/>In stock: 29482 pcs</div> <div>RFQ</div>     |
|  <div>EFM32WG842F128-QFP64T<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 23175 pcs</div> <div>RFQ</div>   |  <div>EFM32WG880F256-QFP100<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 22684 pcs</div> <div>RFQ</div> |
|  <div>EFM32WG880F256-QFP100T<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 17071 pcs</div> <div>RFQ</div> |  <div>EFM32WG842F64-QFP64T<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 64KB FLASH 64TQFP<br/>In stock: 27521 pcs</div> <div>RFQ</div>    |
|  <div>EFM32WG842F256-QFP64<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 256KB FLASH 64TQFP<br/>In stock: 18441 pcs</div> <div>RFQ</div>    |  <div>EFM32WG842F128-QFP64<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 32BIT 128KB FLASH 64TQFP<br/>In stock: 23982 pcs</div> <div>RFQ</div>   |