

EFM32TG11B520F128IM64-A



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Part Number: [EFM32TG11B520F128IM64-A](#)

Manufacturer: [Energy Micro \(Silicon Labs\)](#)

Description: TINY GECKO 11 ULTRA LOW POWER

Data sheet:  [EFM32TG11 Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                  |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EFM32TG11B520F128IM64-A                   | Manufacturer                     | <a href="#">Energy Micro (Silicon Labs)</a>                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TINY GECKO 11 ULTRA LOW POWER             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30267 pcs                                 | Data sheet                       | <a href="#">EFM32TG11 Family Datasheet</a>                                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.8 V                                                                        |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 48MHz                                     | Series                           | Tiny Gecko 1                                                                         |
| RAM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 32K x 8                                   | Program Memory Type              | FLASH                                                                                |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 128KB (128K x 8)                          | Peripherals                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                  | Operating Temperature            | -40°C ~ 125°C (TJ)                                                                   |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                         | Detailed Description             | ARM® Cortex®-M0+ Tiny Gecko 1 Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 12bit SAR, D/A 12bit                  | Core Size                        | 32-Bit                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ARM® Cortex®-M0+                          | Connectivity                     | CANbus, I <sup>2</sup> C, IrDA, LINbus, SmartCard, SPI, UART/USART                   |
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