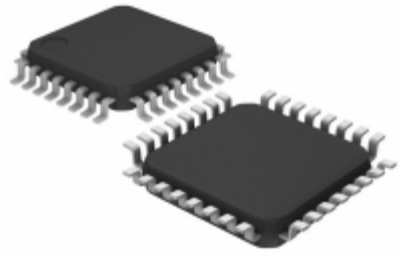


EFM8SB20F32G-B-QFP32



**SILICON LABS**

**Part Number:** [EFM8SB20F32G-B-QFP32](#)

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

**Description:** IC MCU 8BIT 32KB FLASH 32QFP

**Data sheet:**  [EFM8SB2 Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

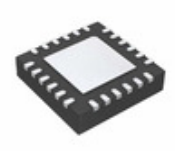
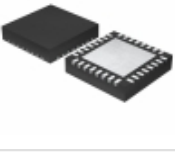
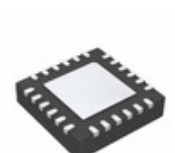
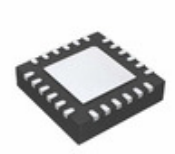
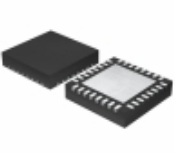
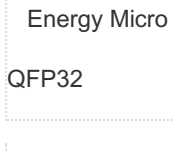
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                         |                                 |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | EFM8SB20F32G-B-QFP32                                                                    | Manufacturer                    | <a href="#">Energy Micro (Silicon Labs)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 32KB FLASH 32QFP                                                            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 96772 pcs                                                                               | Data sheet                      | <a href="#">EFM8SB2 Datasheet</a>           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                               | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                   | 32-QFP (7x7)                                                                            | Speed                           | 25MHz                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sleepy Bee                                                                              | RAM Size                        | 4.25K x 8                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                                   | Program Memory Size             | 32KB (32K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, POR, PWM, WDT                                                   | Packaging                       | Tray                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 32-LQFP                                                                                 | Oscillator Type                 | Internal                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                                                                       | Number of I/O                   | 24                                          |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                      | CIP-51 8051 Sleepy Bee Microcontroller IC 8-Bit 25MHz 32KB (32K x 8) FLASH 32-QFP (7x7) | Data Converters                 | A/D 23x10b                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                                   | Core Processor                  | CIP-51 8051                                 |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                              | EBI/EMI, I <sup>2</sup> C, SMBus, SPI, UART/USART                                       |                                 |                                             |
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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EFM8SB20F32G-B-QFN24</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F64G-A-QFP32R</a><br>Description: IC MCU 8BIT 64KB FLASH 32QFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F32G-A-QFN32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F32G-B-QFN24R</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F32G-A-QFN32</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F32G-A-QFN24</a><br>Description: IC MCU 8BIT 32KB FLASH 24QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F32G-B-QFN32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F32G-B-QFP32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F64G-A-QFN32</a><br>Description: IC MCU 8BIT 64KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F32G-A-QFP32R</a><br>Description: IC MCU 8BIT 32KB FLASH 32QFP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EFM8SB20F64G-B-QFN32</a><br>Description: IC MCU 8BIT 64KB FLASH 32QFN  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
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|                                                  |                                                  |                                   |                                                  |
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