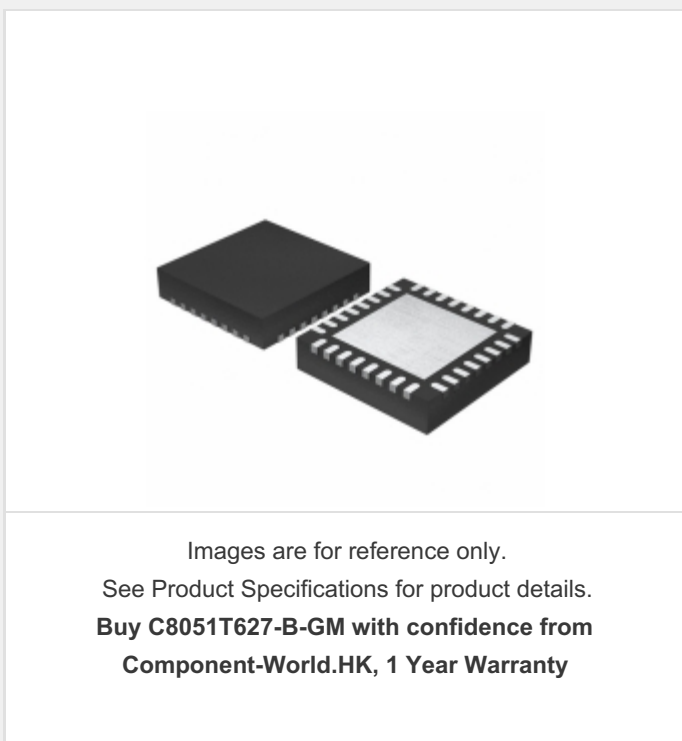


**C8051T627-B-GM**



**SILICON LABS**

**Part Number:** [C8051T627-B-GM](#)

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

**Description:** IC MCU 8BIT 32KB OTP 32QFN

**Data sheet:** [C8051T620/1/6/7-T320/1/2/3](#)

**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                     |   |   |   |
|---------------------------------------|---|---|---|
| <b>Part Number</b>                    | C8051T627-B-GM  | <b>Manufacturer</b>                     | <a href="#">Energy Micro (Silicon Labs)</a> |
| <b>Description</b>                    | IC MCU 8BIT 32KB OTP 32QFN  | <b>Lead Free Status / RoHS Status</b>   | Lead free / RoHS Compliant                  |
| <b>Quantity Available</b>             | 49013 pcs   | <b>Data sheet</b>                       | <a href="#">C8051T620/1/6/7-T320/1/2/3</a>  |
| <b>Category</b>                       | <a href="#">Integrated Circuits (ICs)</a>                                       | <b>Voltage - Supply (Vcc/Vdd)</b>       | 1.8 V ~ 5.25 V                              |
| <b>Supplier Device Package</b>        | 32-QFN (5x5)  | <b>Speed</b>                            | 48 MIPS                                     |
| <b>Series</b>                         | C8051T62x   | <b>RAM Size</b>                         | 3.25K x 8                                   |
| <b>Program Memory Type</b>            | OTP   | <b>Program Memory Size</b>              | 32KB (32K x 8)                              |
| <b>Peripherals</b>                    | POR, PWM, Temp Sensor, WDT  | <b>Packaging</b>                        | Tray  |
| <b>Package / Case</b>                 | 32-VFQFN Exposed Pad  | <b>Other Names</b>                      | 336-2292<br>C8051T627BGM                    |
| <b>Oscillator Type</b>                | Internal  | <b>Operating Temperature</b>            | -40°C ~ 85°C (TA)                           |
| <b>Number of I/O</b>                  | 24  | <b>Moisture Sensitivity Level (MSL)</b> | 1 (Unlimited)                               |
| <b>Lead Free Status / RoHS Status</b> | Lead free / RoHS Compliant  | <b>EEPROM Size</b>                      | -   |
| <b>Detailed Description</b>           | 8051 C8051T62x Microcontroller IC 8-Bit 48 MIPS 32KB (32K x 8) OTP 32-QFN (5x5) | <b>Data Converters</b>                  | A/D 21x10b                                  |
| <b>Core Size</b>                      | 8-Bit   | <b>Core Processor</b>                   | 8051  |
| <b>Connectivity</b>                   | PC, SPI, UART/USART, USB  | <b>Base Part Number</b>                 | C8051T62                                    |

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|                  | <b>Part#:</b> <a href="#">C8051T630DB20</a><br><b>Description:</b> BOARD SOCKET DAUGHTER 20-QFN | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T620DK</a><br><b>Description:</b> DEV KIT FOR C8051T620          | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T630DK</a><br><b>Description:</b> KIT DEV FOR C8051T630 FAMILY   | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T631-GMR</a><br><b>Description:</b> IC MCU 8BIT 8KB OTP 20QFN    | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T630-GMR</a><br><b>Description:</b> IC MCU 8BIT 8KB OTP 20QFN    | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T630-GDI</a><br><b>Description:</b> IC MCU 8BIT 8KB OTP DIE      | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T632-GM</a><br><b>Description:</b> IC MCU 8BIT 4KB OTP 20QFN     | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T626-B-GMR</a><br><b>Description:</b> IC MCU 8BIT 64KB OTP 32QFN | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T627-B-GMR</a><br><b>Description:</b> IC MCU 8BIT 32KB OTP 32QFN | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T630-GM</a><br><b>Description:</b> IC MCU 8BIT 8KB OTP 20QFN     | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T621-GM</a><br><b>Description:</b> IC MCU 8BIT 16KB OTP 32QFN    | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T626-B-GM</a><br><b>Description:</b> IC MCU 8BIT 64KB OTP 32QFN  | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T622DK</a><br><b>Description:</b> DEV KIT FOR C8051T622          | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T623-GM</a><br><b>Description:</b> IC MCU 8BIT 8KB OTP 24QFN     | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T621-GMR</a><br><b>Description:</b> IC MCU 8BIT 16KB OTP 32QFN   | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T631-GM</a><br><b>Description:</b> IC MCU 8BIT 8KB OTP 20QFN     | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T622-GMR</a><br><b>Description:</b> IC MCU 8BIT 16KB OTP 24QFN   | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T632-GMR</a><br><b>Description:</b> IC MCU 8BIT 4KB OTP 20QFN    | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T622-GM</a><br><b>Description:</b> IC MCU 8BIT 16KB OTP 24QFN    | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |
|                  | <b>Part#:</b> <a href="#">C8051T623-GMR</a><br><b>Description:</b> IC MCU 8BIT 8KB OTP 24QFN    | <b>Manufacturers:</b> <a href="#">Energy Micro (Silicon Labs)</a> | <a href="#">RFQ</a> |

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