



### STM32L072VBT6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L072VBT6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 128KB FLASH 100LQFP                                                                             |
| Datasheets:         |  STM32L072VBT6.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 28893 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

#### Specifications of STM32L072VBT6

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L072VBT6                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 100LQFP                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 28893 pcs                                                                                             |
| DATA SHEET                       |  STM32L072VBT6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP                                                                                              |
| SPEED                            | 32MHz                                                                                                 |
| SERIES                           | STM32L0                                                                                               |
| RAM SIZE                         | 20K x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                      |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                            |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 100-LQFP                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                     |
| NUMBER OF I/O                    | 84                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | 3K x 8                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ STM32L0 Microcontroller IC 32-Bit 32MHz 128KB (128K x 8) FLASH 100-LQFP              |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                      |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART, USB                                                                       |

#### Related Tags

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|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L072VZI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 192KB FLASH 100BGA<br/>In stock: 38745 pcs<br/>RFQ</div>    |  <div><b>STM32L073CBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 46670 pcs<br/>RFQ</div>  |
|  <div><b>STM32L072RZT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: 31205 pcs<br/>RFQ</div>              |  <div><b>STM32L073CZT3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 192KB FLASH 48LQFP<br/>In stock: 28765 pcs<br/>RFQ</div>  |
|  <div><b>STM32L073CZT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 192KB FLASH 48LQFP<br/>In stock: 36045 pcs<br/>RFQ</div>    |  <div><b>STM32L072RZT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 192KB FLASH 64LQFP<br/>In stock: 19356 pcs<br/>RFQ</div>  |
|  <div><b>STM32L073CZY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 192KB FLASH 49WLCSP<br/>In stock: 52136 pcs<br/>RFQ</div> |  <div><b>STM32L072VZT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 192KB FLASH 100LQFP<br/>In stock: 29955 pcs<br/>RFQ</div> |
|  <div><b>STM32L072RZI6D</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 192KB FLASH 64BGA<br/>In stock: 49790 pcs<br/>RFQ</div>    |  <div><b>STM32L072V8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/>In stock: 38802 pcs<br/>RFQ</div>  |
|  <div><b>STM32L072RZI6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 5X5X0.6 64L P<br/>In stock: 37233 pcs<br/>RFQ</div>              |  <div><b>STM32L072RZI6DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 5X5X0.6 64L P<br/>In stock: 39738 pcs<br/>RFQ</div>           |