



STMicroelectronics



Image may be representation. See specifications for product details.

STM32L051K6T6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L051K6T6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 32LQFP                                                                               |
| Datasheets:         | <a href="#">1.STM32L051K6T6.pdf</a><br><a href="#">2.STM32L051K6T6.pdf</a>                                   |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 36830 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

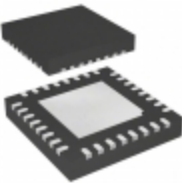
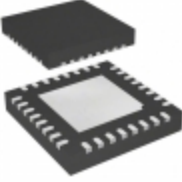
Specifications of STM32L051K6T6

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L051K6T6                                                                               |
| MANUFACTURER                     | STMicroelectronics                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 32LQFP                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                  |
| QUANTITY AVAILABLE               | 36830 pcs                                                                                   |
| DATA SHEET                       | <a href="#">1.STM32L051K6T6.pdf</a><br><a href="#">2.STM32L051K6T6.pdf</a>                  |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                              |
| SUPPLIER DEVICE PACKAGE          | 32-LQFP (7x7)                                                                               |
| SPEED                            | 32MHz                                                                                       |
| SERIES                           | STM32L0                                                                                     |
| RAM SIZE                         | 8K x 8                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                       |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                              |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                  |
| PACKAGING                        | Tray                                                                                        |
| PACKAGE / CASE                   | 32-LQFP                                                                                     |
| OTHER NAMES                      | 497-17488<br>STM32L051K6T6-ND                                                               |
| OSCILLATOR TYPE                  | Internal                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                           |
| NUMBER OF I/O                    | 27                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                  |
| EEPROM SIZE                      | 2K x 8                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ STM32L0 Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 32-LQFP (7x7) |
| DATA CONVERTERS                  | A/D 10x12b                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                            |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART                                                                  |

Related Tags

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| STMicroelectronics STM32L051K6T6 | STM32L051K6T6 Distributor        | STM32L051K6T6 Supplier               |
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Related Products

|                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L051K8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: 65920 pcs</div> <div>RFQ</div>   |  <div><b>STM32L051C8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 64602 pcs</div> <div>RFQ</div>     |
|  <div><b>STM32L051K8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: 34266 pcs</div> <div>RFQ</div>   |  <div><b>STM32L051C8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 28814 pcs</div> <div>RFQ</div>     |
|  <div><b>STM32L051C8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 23355 pcs</div> <div>RFQ</div> |  <div><b>STM32L051K8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: 70593 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32L051C8T7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 53373 pcs</div> <div>RFQ</div> |  <div><b>STM32L051K6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 35081 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32L051K6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: 59274 pcs</div> <div>RFQ</div> |  <div><b>STM32L051C8T3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 28799 pcs</div> <div>RFQ</div>     |
|  <div><b>STM32L051C6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 55924 pcs</div> <div>RFQ</div> |  <div><b>STM32L051K6U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 65680 pcs</div> <div>RFQ</div> |