



Image may be representation. See specifications for product details.

STM32L051K6U6TR

|                     |                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L051K6U6TR                                                                                                         |
| Manufacturer/Brand: | STMicroelectronics                                                                                                      |
| Product description | IC MCU 32BIT 32KB FLASH 32UFQFPN                                                                                        |
| Datasheets:         | <a href="#">1.STM32L051K6U6TR.pdf</a><br><a href="#">2.STM32L051K6U6TR.pdf</a><br><a href="#">3.STM32L051K6U6TR.pdf</a> |
| RoHs Status         | Lead free / RoHS Compliant                                                                                              |
| Ship From           | Hong Kong                                                                                                               |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                   |

REQUEST FOR QUOTATION

Specifications of STM32L051K6U6TR

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L051K6U6TR                                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 32UFQFPN                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| DATA SHEET                       | <a href="#">1.STM32L051K6U6TR.pdf</a><br><a href="#">2.STM32L051K6U6TR.pdf</a><br><a href="#">3.STM32L051K6U6TR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 32-UFQFPN (5x5)                                                                                                         |
| 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                        | Tape & Reel (TR)                                                                                                        |
| PACKAGE / CASE                   | 32-UFQFN Exposed Pad                                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                       |
| NUMBER OF I/O                    | 27                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                           |
| MANUFACTURER STANDARD LEAD TIME  | 30 Weeks                                                                                                                |
| 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-UFQFPN (5x5)                           |
| 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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Related Products

|                                                                                                                                                           |                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>STM32L051K8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p>      | <p><b>STM32L051C8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: Out stock</p> <p>RFQ</p>   |
| <p><b>STM32L051K6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p>      | <p><b>STM32L051K8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p> |
| <p><b>STM32L051K8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p>      | <p><b>STM32L051K8U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</p> <p>RFQ</p> |
| <p><b>STM32L051K8U6DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</p> <p>RFQ</p> | <p><b>STM32L051K8U3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</p> <p>RFQ</p> |
| <p><b>STM32L051C8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: Out stock</p> <p>RFQ</p>    | <p><b>STM32L051K6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p> |
| <p><b>STM32L051K6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: Out stock</p> <p>RFQ</p>    | <p><b>STM32L051C8T7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: Out stock</p> <p>RFQ</p> |