



STMicroelectronics



life.augmented

STM32L051R8T6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L051R8T6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 64KB FLASH 64LQFP                                                                               |
|                     | <a href="#">1.STM32L051R8T6TR.pdf</a>                                                                        |
|                     | <a href="#">2.STM32L051R8T6TR.pdf</a>                                                                        |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

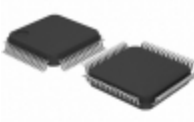
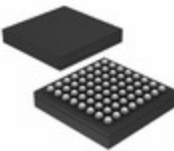
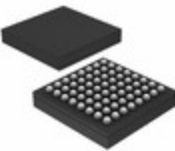
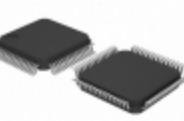
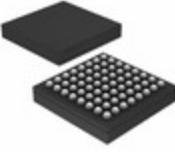
Specifications of STM32L051R8T6TR

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L051R8T6TR                                                                |
| MANUFACTURER                     | STMicroelectronics                                                             |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 64LQFP                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                     |
| DATA SHEET                       | <a href="#">1.STM32L051R8T6TR.pdf</a><br><a href="#">2.STM32L051R8T6TR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                 |
| SPEED                            | 32MHz                                                                          |
| SERIES                           | STM32L0                                                                        |
| RAM SIZE                         | 8K x 8                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                          |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                 |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                |
| PACKAGING                        | Tape & Reel (TR)                                                               |
| OSCILLATOR TYPE                  | Internal                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                              |
| NUMBER OF I/O                    | 51                                                                             |
| 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 64KB (64K x 8) FLASH  |
| DATA CONVERTERS                  | A/D 16x12b                                                                     |
| CORE SIZE                        | 32-Bit                                                                         |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                               |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART                                                     |

Related Tags

|                                    |                                    |                                        |
|------------------------------------|------------------------------------|----------------------------------------|
| STMicroelectronics STM32L051R8T6TR | STM32L051R8T6TR Distributor        | STM32L051R8T6TR Supplier               |
| STM32L051R8T6TR Price              | STM32L051R8T6TR Pictures           | STM32L051R8T6TR Image                  |
| STM32L051R8T6TR PDF Datasheet      | STM32L051R8T6TR Download Datasheet | STM32L051R8T6TR Datasheet              |
| STM32L051R8T6TR Stock              | Buy STM32L051R8T6TR                | Buy STMicroelectronics STM32L051R8T6TR |
| STMicroelectronics STM32L051R8T6TR | STMicroelectronics Supplier        | STMicroelectronics Distributor         |
| STM32L051R8T6TR                    |                                    |                                        |

Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L051R8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32L051T8Y6DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: WLCSP 36L DIE 417 P<br/>In stock: Out stock<br/><div>RFQ</div></div>             |
|  <div><b>STM32L051R8H7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>STM32L051R6H6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>STM32L051T8Y6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 36WLCSP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32L051T8Y7DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 36WLCSP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32L051R8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 566 pcs<br/><div>RFQ</div></div>      |  <div><b>STM32L051R8H6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>STM32L051R6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64LQFP<br/>In stock: 650 pcs<br/><div>RFQ</div></div>      |  <div><b>STM32L051K8U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32L052C6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32L051T6Y6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 36WLCSP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |