



STMicroelectronics



Image may be representation. See specifications for product details.

STM32L063R8T6

|                     |                                                                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L063R8T6                                                                                                                                                           |
| Manufacturer/Brand: | STMicroelectronics                                                                                                                                                      |
| Product description | IC MCU 32BIT 64KB FLASH 64LQFP                                                                                                                                          |
| Datasheets:         | <div><div>PDF</div><div>1.STM32L063R8T6.pdf</div></div> <div><div>PDF</div><div>2.STM32L063R8T6.pdf</div></div> <div><div>PDF</div><div>3.STM32L063R8T6.pdf</div></div> |
| RoHs Status         | <div><div>RoHS</div><div>Lead free / RoHS Compliant</div></div>                                                                                                         |
| Stock Condition     | 36656 pcs stock                                                                                                                                                         |
| Ship From           | Hong Kong                                                                                                                                                               |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                   |

REQUEST FOR QUOTATION

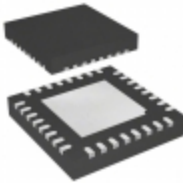
Specifications of STM32L063R8T6

|                                  |                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L063R8T6                                                                                                                                                           |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 64LQFP                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                              |
| QUANTITY AVAILABLE               | 36656 pcs                                                                                                                                                               |
| DATA SHEET                       | <div><div>PDF</div><div>1.STM32L063R8T6.pdf</div></div> <div><div>PDF</div><div>2.STM32L063R8T6.pdf</div></div> <div><div>PDF</div><div>3.STM32L063R8T6.pdf</div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                                                                         |
| 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, LCD, POR, PWM, WDT                                                                                                                    |
| PACKAGING                        | Tray                                                                                                                                                                    |
| PACKAGE / CASE                   | 64-LQFP                                                                                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                       |
| NUMBER OF I/O                    | 51                                                                                                                                                                      |
| 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 64KB (64K x 8) FLASH 64-LQFP (10x10)                                                                           |
| DATA CONVERTERS                  | A/D 16x12b, D/A 1x12b                                                                                                                                                   |
| CORE SIZE                        | 32-Bit                                                                                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                                                                                        |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART, USB                                                                                                                                         |

Related Tags

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| STMicroelectronics STM32L063R8T6 | STM32L063R8T6 Distributor        | STM32L063R8T6 Supplier               |
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Related Products

|                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><b>STM32L063C8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 43823 pcs</div><div>RFQ</div></div>  | <div><div><b>STM32L071C8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 48 7X7X1.4 1<br/>In stock: 46762 pcs</div><div>RFQ</div></div>              |
| <div><div><b>STM32L062K8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: 26412 pcs</div><div>RFQ</div></div>  | <div><div><b>STM32L062K8U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: 61501 pcs</div><div>RFQ</div></div> |
| <div><div><b>STM32L071CBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 20022 pcs</div><div>RFQ</div></div> | <div><div><b>STM32L071C8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 53430 pcs</div><div>RFQ</div></div>   |
| <div><div><b>STM32L053R8T6D</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 45078 pcs</div><div>RFQ</div></div> | <div><div><b>STM32L071CBT3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 51512 pcs</div><div>RFQ</div></div>  |
| <div><div><b>STM32L063R8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: 39063 pcs</div><div>RFQ</div></div>           | <div><div><b>STM32L053R8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 42283 pcs</div><div>RFQ</div></div> |
| <div><div><b>STM32L053R8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 23130 pcs</div><div>RFQ</div></div>  | <div><div><b>STM32L071C8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 26913 pcs</div><div>RFQ</div></div>   |