



STMicroelectronics



STM32L451RET6TR

|                     |                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L451RET6TR                                                                                         |
| Manufacturer/Brand: | STMicroelectronics                                                                                      |
| Product description | LQFP 64 10X10X1.4 1                                                                                     |
|                     |  1.STM32L451RET6TR.pdf |
|                     |  2.STM32L451RET6TR.pdf |
| Datasheets:         |                                                                                                         |
| Stock Condition     | 21741 pcs stock                                                                                         |
| Ship From           | Hong Kong                                                                                               |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                   |

REQUEST FOR QUOTATION

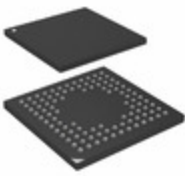
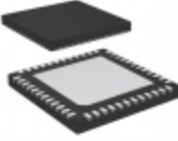
Specifications of STM32L451RET6TR

|                                |                                                                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                    | STM32L451RET6TR                                                                                                                                                                                                        |
| MANUFACTURER                   | STMicroelectronics                                                                                                                                                                                                     |
| DESCRIPTION                    | LQFP 64 10X10X1.4 1                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS |                                                                                                                                                                                                                        |
| QUANTITY AVAILABLE             | 21741 pcs                                                                                                                                                                                                              |
| DATA SHEET                     |  1.STM32L451RET6TR.pdf<br> 2.STM32L451RET6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)     | 1.71 V ~ 3.6 V                                                                                                                                                                                                         |
| SPEED                          | 80MHz                                                                                                                                                                                                                  |
| SERIES                         | STM32L4                                                                                                                                                                                                                |
| RAM SIZE                       | 160K x 8                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE            | FLASH                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE            | 512KB (512K x 8)                                                                                                                                                                                                       |
| PERIPHERALS                    | Brown-out Detect/Reset, DMA, PWM, WDT                                                                                                                                                                                  |
| PACKAGING                      | Tape & Reel (TR)                                                                                                                                                                                                       |
| OSCILLATOR TYPE                | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE          | -40°C ~ 85°C (TA)                                                                                                                                                                                                      |
| NUMBER OF I/O                  | 52                                                                                                                                                                                                                     |
| EEPROM SIZE                    | -                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION           | ARM® Cortex®-M4 STM32L4 Microcontroller IC 32-Bit 80MHz 512KB (512K x 8) FLASH                                                                                                                                         |
| DATA CONVERTERS                | A/D 16x12b, D/A 1x12b                                                                                                                                                                                                  |
| CORE SIZE                      | 32-Bit                                                                                                                                                                                                                 |
| CORE PROCESSOR                 | ARM® Cortex®-M4                                                                                                                                                                                                        |
| CONNECTIVITY                   | CANbus, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, UART/USART                                                                                                                                                          |

Related Tags

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Related Products

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L451VEI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100UFBG<br/>In stock: 14465 pcs<br/>RFQ</div>  |  <div><b>STM32L451VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 15933 pcs<br/>RFQ</div> |
|  <div><b>STM32L451RET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 14404 pcs<br/>RFQ</div>   |  <div><b>STM32L452CCU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48UFQFP<br/>In stock: 15988 pcs<br/>RFQ</div> |
|  <div><b>STM32L451VCI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100UFBG<br/>In stock: 13711 pcs<br/>RFQ</div>  |  <div><b>STM32L451CEU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 48UFQFP<br/>In stock: 28357 pcs<br/>RFQ</div> |
|  <div><b>STM32L451RCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 14590 pcs<br/>RFQ</div>   |  <div><b>STM32L451RCI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br/>In stock: 16082 pcs<br/>RFQ</div> |
|  <div><b>STM32L451RCY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 29766 pcs<br/>RFQ</div> |  <div><b>STM32L451REY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: STM32 32-BIT ARM CORTEX MCUS<br/>In stock: 12546 pcs<br/>RFQ</div>   |
|  <div><b>STM32L451VET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 13425 pcs<br/>RFQ</div>  |  <div><b>STM32L451REI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64UFBGA<br/>In stock: 14399 pcs<br/>RFQ</div> |