



STMicroelectronics



Image may be representation. See specifications for product details.

STM32L431RCY6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L431RCY6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 256KB FLASH 64WLCSP                                                                             |
|                     | <a href="#">1.STM32L431RCY6TR.pdf</a>                                                                        |
|                     | <a href="#">2.STM32L431RCY6TR.pdf</a>                                                                        |
|                     | <a href="#">3.STM32L431RCY6TR.pdf</a>                                                                        |
|                     | <a href="#">4.STM32L431RCY6TR.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 42274 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

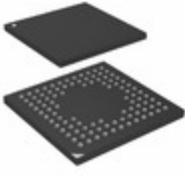
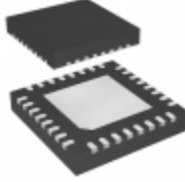
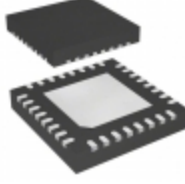
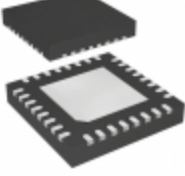
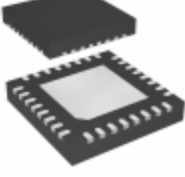
Specifications of STM32L431RCY6TR

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L431RCY6TR                                                                                                                                                  |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                               |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64WLCSP                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                       |
| QUANTITY AVAILABLE               | 42274 pcs                                                                                                                                                        |
| DATA SHEET                       | <a href="#">1.STM32L431RCY6TR.pdf</a><br><a href="#">2.STM32L431RCY6TR.pdf</a><br><a href="#">3.STM32L431RCY6TR.pdf</a><br><a href="#">4.STM32L431RCY6TR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 64-WLCSP                                                                                                                                                         |
| SPEED                            | 80MHz                                                                                                                                                            |
| SERIES                           | STM32L4                                                                                                                                                          |
| RAM SIZE                         | 64K x 8                                                                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                 |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, PWM, WDT                                                                                                                            |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                 |
| PACKAGE / CASE                   | 64-UFBGA, WLCSP                                                                                                                                                  |
| OTHER NAMES                      | 497-17944-2<br>STM32L431RCY6TR-ND                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                |
| NUMBER OF I/O                    | 52                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                       |
| EEPROM SIZE                      | -                                                                                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32L4 Microcontroller IC 32-Bit 80MHz 256KB (256K x 8) FLASH 64-WLCSP                                                                          |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                                                                            |
| CORE SIZE                        | 32-Bit                                                                                                                                                           |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                  |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART                                                                                             |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L431VC16</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: 14028 pcs</div> <div>RFQ</div>    |  <div><b>STM32L431RBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 40265 pcs</div> <div>RFQ</div> |
|  <div><b>STM32L432KBU6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 33288 pcs</div> <div>RFQ</div>   |  <div><b>STM32L431RCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 17637 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32L432KBU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 32QFN<br/>In stock: 20200 pcs</div> <div>RFQ</div>     |  <div><b>STM32L431RBI6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 5X5X0.6 64L P<br/>In stock: 41310 pcs</div> <div>RFQ</div>             |
|  <div><b>STM32L431RCI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64UFBGA<br/>In stock: 36498 pcs</div> <div>RFQ</div>   |  <div><b>STM32L431RBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 17230 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32L431VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 13910 pcs</div> <div>RFQ</div>   |  <div><b>STM32L432KCU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 32QFN<br/>In stock: 16489 pcs</div> <div>RFQ</div>    |
|  <div><b>STM32L431RBY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64WLCSP<br/>In stock: 41649 pcs</div> <div>RFQ</div> |  <div><b>STM32L432KCU3</b><br/>Manufacturers: STMicroelectronics<br/>Description: UQFPN 5X5X0.55 32L<br/>In stock: 30118 pcs</div> <div>RFQ</div>                |