



STM32L031E6Y6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L031E6Y6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 25WLCSP                                                                              |
| Datasheets:         |  STM32L031E6Y6TR.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 118100 pcs stock                                                                                             |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

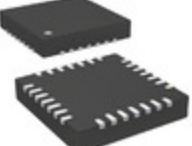
Specifications of STM32L031E6Y6TR

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L031E6Y6TR                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 25WLCSP                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 118100 pcs                                                                                              |
| DATA SHEET                       |  STM32L031E6Y6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 25-WLCSP                                                                                                |
| 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                   | 25-UFBGA, WLCSP                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                       |
| NUMBER OF I/O                    | 20                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| EEPROM SIZE                      | 1K x 8                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ STM32L0 Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 25-WLCSP                  |
| DATA CONVERTERS                  | A/D 10x12b                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                        |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                      |

Related Tags

|                                    |                                    |                                        |
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Related Products

|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L031E6Y6DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 25WLCSP<br/>In stock: 92463 pcs<br/>RFQ</div> |  <div><b>STM32L031F6P6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 20TSSOP<br/>In stock: 48153 pcs<br/>RFQ</div>   |
|  <div><b>STM32L031F6P7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 20TSSOP<br/>In stock: 45712 pcs<br/>RFQ</div>    |  <div><b>STM32L031C4T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 48LQFP<br/>In stock: 34778 pcs<br/>RFQ</div>    |
|  <div><b>STM32L031G4U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 28QFPN<br/>In stock: 98569 pcs<br/>RFQ</div>     |  <div><b>STM32L031E4Y6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 25WLCSP<br/>In stock: 96291 pcs<br/>RFQ</div> |
|  <div><b>STM32L031C6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 66859 pcs<br/>RFQ</div>     |  <div><b>STM32L031F6P6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: TSSOP 20 BODY 4.4 PI<br/>In stock: 83330 pcs<br/>RFQ</div>            |
|  <div><b>STM32L031F4P6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 20TSSOP<br/>In stock: 54176 pcs<br/>RFQ</div>    |  <div><b>STM32L031C6T7D</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 66699 pcs<br/>RFQ</div>   |
|  <div><b>STM32L031F4P3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 20TSSOP<br/>In stock: 42150 pcs<br/>RFQ</div>    |  <div><b>STM32L031C6T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 69975 pcs<br/>RFQ</div>    |