



Image may be representation. See specifications for product details.

STM32L152ZCT6

|                     |                                  |
|---------------------|----------------------------------|
| Part Number:        | STM32L152ZCT6                    |
| Manufacturer/Brand: | STMicroelectronics               |
| Product description | IC MCU 32BIT 256KB FLASH 144LQFP |
| Datasheets:         | STM32L152ZCT6.pdf                |
| RoHs Status         | Lead free / RoHS Compliant       |
| Stock Condition     | 16597 pcs stock                  |
| Ship From           | Hong Kong                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS            |

REQUEST FOR QUOTATION

Specifications of STM32L152ZCT6

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L152ZCT6                                                                                   |
| MANUFACTURER                     | STMicroelectronics                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 144LQFP                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| QUANTITY AVAILABLE               | 16597 pcs                                                                                       |
| DATA SHEET                       | STM32L152ZCT6.pdf                                                                               |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                |
| SPEED                            | 32MHz                                                                                           |
| SERIES                           | STM32L1                                                                                         |
| RAM SIZE                         | 32K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                           |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                            |
| PACKAGING                        | Tray                                                                                            |
| PACKAGE / CASE                   | 144-LQFP                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                               |
| NUMBER OF I/O                    | 115                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| EEPROM SIZE                      | 8K x 8                                                                                          |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32L1 Microcontroller IC 32-Bit 32MHz 256KB (256K x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 40x12b, D/A 2x12b                                                                           |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                 |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART, USB                                                         |
| BASE PART NUMBER                 | STM32L152                                                                                       |

Related Tags

|                                  |                                  |                                      |
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| STMicroelectronics STM32L152ZCT6 | STM32L152ZCT6 Distributor        | STM32L152ZCT6 Supplier               |
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Related Products

|                                                                                                                                            |                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>STM32L152VDT6X</b><br>Manufacturers: STMicroelectronics<br>Description: LQFP 100 14X14X1.4<br>In stock: 17839 pcs<br>RFQ                | <b>STM32L15PRIMER</b><br>Manufacturers: STMicroelectronics<br>Description: EVAL KIT STM32L<br>In stock: 1049 pcs<br>RFQ                    |
| <b>STM32L152VEY6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 512KB FLASH 104CSP<br>In stock: 20378 pcs<br>RFQ  | <b>STM32L152VDT6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br>In stock: 23067 pcs<br>RFQ |
| <b>STM32L152ZET6D</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br>In stock: 12197 pcs<br>RFQ  | <b>STM32L152ZET6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br>In stock: 9776 pcs<br>RFQ    |
| <b>STM32L152ZDT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 384KB FLASH 144LQFP<br>In stock: 13786 pcs<br>RFQ   | <b>STM32L15PRIM-D</b><br>Manufacturers: STMicroelectronics<br>Description: EVAL KIT STM32L<br>In stock: 3078 pcs<br>RFQ                    |
| <b>STM32L152VET6D</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br>In stock: 15324 pcs<br>RFQ  | <b>STM32L152VET6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br>In stock: 22189 pcs<br>RFQ |
| <b>STM32L152ZCT6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br>In stock: 17330 pcs<br>RFQ | <b>STM32L152VET6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br>In stock: 10727 pcs<br>RFQ   |