



STMicroelectronics



STM32L152R6H6

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L152R6H6                                                                                                       |
| Manufacturer/Brand: | STMicroelectronics                                                                                                  |
| Product description | IC MCU 32BIT 32KB FLASH 64BGA                                                                                       |
| Datasheets:         |  <a href="#">STM32L152R6H6.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 35441 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

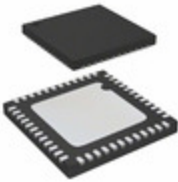
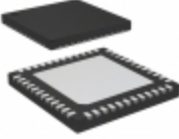
Specifications of STM32L152R6H6

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L152R6H6                                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 64BGA                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE               | 35441 pcs                                                                                                             |
| DATA SHEET                       |  <a href="#">STM32L152R6H6.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 64-BGA (5x5)                                                                                                          |
| SPEED                            | 32MHz                                                                                                                 |
| SERIES                           | STM32L1                                                                                                               |
| RAM SIZE                         | 10K x 8                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                 |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                  |
| PACKAGING                        | Tray                                                                                                                  |
| PACKAGE / CASE                   | 64-TFBGA                                                                                                              |
| 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                      | 4K x 8                                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32L1 Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 64-BGA (5x5)                             |
| DATA CONVERTERS                  | A/D 20x12b; 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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Related Products

|                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L152CCU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48QFPN<br/>In stock: 31709 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32L152QDH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 132BGA<br/>In stock: 20806 pcs<br/><b>RFQ</b></div>   |
|  <div><b>STM32L152R8H6A</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64TFBGA<br/>In stock: 36674 pcs<br/><b>RFQ</b></div> |  <div><b>STM32L152D-EVAL</b><br/>Manufacturers: STMicroelectronics<br/>Description: DEVELOPMENT STM32L152<br/>In stock: 371 pcs<br/><b>RFQ</b></div>             |
|  <div><b>STM32L152R8H6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64BGA<br/>In stock: 33040 pcs<br/><b>RFQ</b></div>    |  <div><b>STM32L152R6T6A</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64LQFP<br/>In stock: 35130 pcs<br/><b>RFQ</b></div>   |
|  <div><b>STM32L152R6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64LQFP<br/>In stock: 33792 pcs<br/><b>RFQ</b></div>   |  <div><b>STM32L152CCU6D</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48UQFPN<br/>In stock: 29055 pcs<br/><b>RFQ</b></div> |
|  <div><b>STM32L152QEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 132UBGA<br/>In stock: 17774 pcs<br/><b>RFQ</b></div> |  <div><b>STM32L152R6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64LQFP<br/>In stock: 41035 pcs<br/><b>RFQ</b></div>  |
|  <div><b>STM32L152QCH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 132BGA<br/>In stock: 19636 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32L152R6H6A</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64TFBGA<br/>In stock: 43974 pcs<br/><b>RFQ</b></div>  |