



STM32L152RBH6

|                     |                                |
|---------------------|--------------------------------|
| Part Number:        | STM32L152RBH6                  |
| Manufacturer/Brand: | STMicroelectronics             |
| Product description | IC MCU 32BIT 128KB FLASH 64BGA |
| Datasheets:         | STM32L152RBH6.pdf              |
| RoHs Status         | Lead free / RoHS Compliant     |
| Stock Condition     | 32339 pcs stock                |
| Ship From           | Hong Kong                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS          |

REQUEST FOR QUOTATION

Specifications of STM32L152RBH6

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L152RBH6                                                                               |
| MANUFACTURER                     | STMicroelectronics                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 64BGA                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                  |
| QUANTITY AVAILABLE               | 32339 pcs                                                                                   |
| DATA SHEET                       | STM32L152RBH6.pdf                                                                           |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                               |
| SUPPLIER DEVICE PACKAGE          | 64-BGA (5x5)                                                                                |
| SPEED                            | 32MHz                                                                                       |
| SERIES                           | STM32L1                                                                                     |
| RAM SIZE                         | 16K x 8                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                       |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                            |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT                           |
| PACKAGING                        | Tray                                                                                        |
| PACKAGE / CASE                   | 64-TFBGA                                                                                    |
| OTHER NAMES                      | 497-11554<br>STM32L152RBH6-ND                                                               |
| 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 128KB (128K x 8) FLASH 64-BGA (5x5) |
| DATA CONVERTERS                  | A/D 20x12b; D/A 2x12b                                                                       |
| CORE SIZE                        | 32-Bit                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                             |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB                                        |
| BASE PART NUMBER                 | STM32L152                                                                                   |

Related Tags

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|  | <b>STM32L152R8H6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 64BGA<br>In stock: 33040 pcs<br>RFQ    |  | <b>STM32L152RBH6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 128KB FLASH 64TFBGA<br>In stock: 30281 pcs<br>RFQ |
|  | <b>STM32L152RBT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br>In stock: 13852 pcs<br>RFQ  |  | <b>STM32L152R8T6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br>In stock: 19684 pcs<br>RFQ    |
|  | <b>STM32L152R8T6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br>In stock: 30727 pcs<br>RFQ |  | <b>STM32L152RCT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br>In stock: 13399 pcs<br>RFQ   |
|  | <b>STM32L152R8T6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br>In stock: 27744 pcs<br>RFQ  |  | <b>STM32L152RBT6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br>In stock: 14518 pcs<br>RFQ  |
|  | <b>STM32L152R6T6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 32KB FLASH 64LQFP<br>In stock: 41035 pcs<br>RFQ |  | <b>STM32L152RCT6D</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 256KB FLASH 164LQFP<br>In stock: 20313 pcs<br>RFQ |
|  | <b>STM32L152RCT6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br>In stock: 20514 pcs<br>RFQ |  | <b>STM32L152R8H6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 64TFBGA<br>In stock: 36674 pcs<br>RFQ  |