



Image may be representation. See specifications for product details.

STM32L152C6U6A

|                     |                                      |
|---------------------|--------------------------------------|
| Part Number:        | STM32L152C6U6A                       |
| Manufacturer/Brand: | STMicroelectronics                   |
| Product description | IC MCU 32BIT 32KB FLASH 48UFQFPN     |
| Datasheets:         | <a href="#">1.STM32L152C6U6A.pdf</a> |
|                     | <a href="#">2.STM32L152C6U6A.pdf</a> |
|                     | <a href="#">3.STM32L152C6U6A.pdf</a> |
| RoHs Status         | Lead free / RoHS Compliant           |
| Stock Condition     | 38654 pcs stock                      |
| Ship From           | Hong Kong                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                |

REQUEST FOR QUOTATION

Specifications of STM32L152C6U6A

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L152C6U6A                                                                                                       |
| MANUFACTURER                     | STMicroelectronics                                                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 48UFQFPN                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                           |
| QUANTITY AVAILABLE               | 38654 pcs                                                                                                            |
| DATA SHEET                       | <a href="#">1.STM32L152C6U6A.pdf</a><br><a href="#">2.STM32L152C6U6A.pdf</a><br><a href="#">3.STM32L152C6U6A.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 48-UFQFPN (7x7)                                                                                                      |
| SPEED                            | 32MHz                                                                                                                |
| SERIES                           | STM32L1                                                                                                              |
| RAM SIZE                         | 16K x 8                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT                                                    |
| PACKAGING                        | Tray                                                                                                                 |
| PACKAGE / CASE                   | 48-UFQFN Exposed Pad                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                    |
| NUMBER OF I/O                    | 37                                                                                                                   |
| 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 48-UFQFPN (7x7)                         |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                                |
| CORE SIZE                        | 32-Bit                                                                                                               |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                      |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB                                                                 |

Related Tags

|                                   |                                   |                                       |
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| STMicroelectronics STM32L152C6U6A | STM32L152C6U6A Distributor        | STM32L152C6U6A Supplier               |
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Related Products

|                                                                                                                                           |                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>STM32L152C6T6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br>In stock: 40665 pcs<br>RFQ   | <b>STM32L152C6T6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br>In stock: 46467 pcs<br>RFQ   |
| <b>STM32L152CBT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br>In stock: 19375 pcs<br>RFQ   | <b>STM32L152C8U6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br>In stock: 22016 pcs<br>RFQ |
| <b>STM32L152-SK/IAR</b><br>Manufacturers: STMicroelectronics<br>Description: DEV KIT FOR STM32 IAR<br>In stock: 451 pcs<br>RFQ            | <b>STM32L152-EVAL</b><br>Manufacturers: STMicroelectronics<br>Description: BOARD EVALUATION FOR STM32L<br>In stock: 355 pcs<br>RFQ       |
| <b>STM32L152C8U6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br>In stock: 41819 pcs<br>RFQ | <b>STM32L152C6U6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 32KB FLASH 48UFQFPN<br>In stock: 42273 pcs<br>RFQ |
| <b>STM32L152C8T6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 21639 pcs<br>RFQ    | <b>STM32L152CBT6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br>In stock: 34443 pcs<br>RFQ |
| <b>STM32L152C-DISCO</b><br>Manufacturers: STMicroelectronics<br>Description: EVAL KIT STM32L DISCOVERY<br>In stock: 7017 pcs<br>RFQ       | <b>STM32L152C8T6A</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br>In stock: 39610 pcs<br>RFQ  |