



STM32F100C8T7B

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F100C8T7B                                                                                               |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 64KB FLASH 48LQFP                                                                               |
| Datasheets:         |  STM32F100C8T7B.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 23310 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of STM32F100C8T7B

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F100C8T7B                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 48LQFP                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE               | 23310 pcs                                                                                              |
| DATA SHEET                       |  STM32F100C8T7B.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                          |
| SPEED                            | 24MHz                                                                                                  |
| SERIES                           | STM32F1                                                                                                |
| RAM SIZE                         | 8K x 8                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                  |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                         |
| PERIPHERALS                      | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT                                                              |
| PACKAGING                        | Tray                                                                                                   |
| PACKAGE / CASE                   | 48-LQFP                                                                                                |
| OTHER NAMES                      | 497-17370<br>STM32F100C8T7B-ND                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 105°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                      | -                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 24MHz 64KB (64K x 8) FLASH 48-LQFP (7x7)             |
| DATA CONVERTERS                  | A/D 10x12b; D/A 2x12b                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                        |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                     |
| BASE PART NUMBER                 | STM32F100                                                                                              |

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Related Products

|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                               |
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|  <div><b>STM32F100CBT7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 44228 pcs<br/>RFQ</div>   |  <div><b>STM32F100C6T6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 62302 pcs<br/>RFQ</div>  |
|  <div><b>STM32F100C8T6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 60728 pcs<br/>RFQ</div>  |  <div><b>STM32F100C6T6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 30955 pcs<br/>RFQ</div>    |
|  <div><b>STM32F100CBT7BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 38016 pcs<br/>RFQ</div> |  <div><b>STM32F100R4H6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 64BGA<br/>In stock: 50140 pcs<br/>RFQ</div>     |
|  <div><b>STM32F100CBT6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 21220 pcs<br/>RFQ</div>   |  <div><b>STM32F100C4T7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 48LQFP<br/>In stock: 33111 pcs<br/>RFQ</div>    |
|  <div><b>STM32F100C8T7BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 54347 pcs<br/>RFQ</div>  |  <div><b>STM32F100CBT6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 48607 pcs<br/>RFQ</div> |
|  <div><b>STM32F100C8T6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 27533 pcs<br/>RFQ</div>    |  <div><b>STM32F100C6T7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 46925 pcs<br/>RFQ</div>    |