



Image may be representation. See specifications for product details.

STM32F100C4T6B

|                     |                                |
|---------------------|--------------------------------|
| Part Number:        | STM32F100C4T6B                 |
| Manufacturer/Brand: | STMicroelectronics             |
| Product description | IC MCU 32BIT 16KB FLASH 48LQFP |
| Datasheets:         | STM32F100C4T6B.pdf             |
| RoHs Status         | Lead free / RoHS Compliant     |
| Stock Condition     | 35893 pcs stock                |
| Ship From           | Hong Kong                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS          |

REQUEST FOR QUOTATION

Specifications of STM32F100C4T6B

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F100C4T6B                                                               |
| MANUFACTURER                     | STMicroelectronics                                                           |
| DESCRIPTION                      | IC MCU 32BIT 16KB FLASH 48LQFP                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                   |
| QUANTITY AVAILABLE               | 35893 pcs                                                                    |
| DATA SHEET                       | STM32F100C4T6B.pdf                                                           |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                  |
| SPEED                            | 24MHz                                                                        |
| SERIES                           | STM32F1                                                                      |
| RAM SIZE                         | 4K x 8                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                        |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                               |
| PERIPHERALS                      | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT                                    |
| PACKAGING                        | Tray                                                                         |
| PACKAGE / CASE                   | 48-LQFP                                                                      |
| OTHER NAMES                      | 497-10501                                                                    |
| 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                      | -                                                                            |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 24MHz 16KB (16K x 8) FLASH |
| 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                                                                    |

Related Tags

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| <div><b>STM32F098RCY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64WLCSP<br/>In stock: 51298 pcs<br/><b>RFQ</b></div> | <div><b>STM32F098RCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 37193 pcs<br/><b>RFQ</b></div>   |
| <div><b>STM32F098VCH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: 41812 pcs<br/><b>RFQ</b></div>    | <div><b>STM32F100C4T7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 48LQFP<br/>In stock: 33111 pcs<br/><b>RFQ</b></div>   |
| <div><b>STM32F0DISCOVERY</b><br/>Manufacturers: STMicroelectronics<br/>Description: KIT STM32F0 DISCOVERY<br/>In stock: 11161 pcs<br/><b>RFQ</b></div>           | <div><b>STM32F100C6T6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 30955 pcs<br/><b>RFQ</b></div>   |
| <div><b>STM32F100C6T7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 46925 pcs<br/><b>RFQ</b></div>    | <div><b>STM32F100C6T6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 62302 pcs<br/><b>RFQ</b></div> |
| <div><b>STM32F098VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 26178 pcs<br/><b>RFQ</b></div>   | <div><b>STM32F100C4T6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 48LQFP<br/>In stock: 73452 pcs<br/><b>RFQ</b></div> |
| <div><b>STM32F098RCH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64BGA<br/>In stock: 53838 pcs<br/><b>RFQ</b></div>     | <div><b>STM32F100C8T6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 27533 pcs<br/><b>RFQ</b></div>   |