




STM32F100R6T6B

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|---------------------|--|
| Part Number:        | STM32F100R6T6B   |
| Manufacturer/Brand: | STMicroelectronics   |
| Product description | IC MCU 32BIT 32KB FLASH 64LQFP   |
| Datasheets:         | <a href="#">PDF STM32F100R6T6B.pdf</a>   |
| RoHs Status         |  Lead free / RoHS Compliant |
| 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 STM32F100R6T6B

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | STM32F100R6T6B   |
| MANUFACTURER                     | STMicroelectronics   |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 64LQFP   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| DATA SHEET                       | <a href="#">PDF STM32F100R6T6B.pdf</a>                                       |
| 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              | 32KB (32K x 8)   |
| PERIPHERALS                      | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT                                    |
| PACKAGING                        | Tray   |
| PACKAGE / CASE                   | 64-LQFP  |
| OTHER NAMES                      | 497-10496  |
| OSCILLATOR TYPE                  | Internal   |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)  |
| NUMBER OF I/O                    | 51   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)  |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| EEPROM SIZE                      | -  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 24MHz 32KB (32K x 8) FLASH |
| DATA CONVERTERS                  | A/D 16x12b; 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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|  <div><b>STM32F100R8H6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F100R8T6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 639 pcs<br/><div>RFQ</div></div>      |
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|  <div><b>STM32F100R8H7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: TFBGA 5X5X1.2 64 F8X<br/>In stock: Out stock<br/><div>RFQ</div></div>             |  <div><b>STM32F100CBT7BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F100R8T7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 735 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F100R6T6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>STM32F100R8T6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 990 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F100R4H6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 64BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>     |