STMicroelectronics

# STM32F103R8T6

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|---|---|
| Part Number: | STM32F103R8T6 |
| Manufacturer/Brand: | STMicroelectronics |
| Product description | IC MCU 32BIT 64KB FLASH 64LQFP |
| Datasheets: | STM32F103R8T6.pdf |
| 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 STM32F103R8T6

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|---|---|
| PART NUMBER | STM32F103R8T6 |
| MANUFACTURER | STMicroelectronics |
| DESCRIPTION | IC MCU 32BIT 64KB FLASH 64LQFP |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| DATA SHEET | STM32F103R8T6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD) | 2 V ~ 3.6 V |
| SPEED | 72MHz |
| SERIES | STM32F1 |
| RAM SIZE | 20K x 8 |
| PROGRAM MEMORY TYPE | FLASH |
| PROGRAM MEMORY SIZE | 64KB (64K x 8) |
| PERIPHERALS | DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT |
| PACKAGING | Tray |
| PACKAGE / CASE | 64-LQFP |
| OTHER NAMES | 497-6065 |
| 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 72MHz 64KB (64K x 8) FLASH |
| DATA CONVERTERS | A/D 16x12b |
| CORE SIZE | 32-Bit |
| CORE PROCESSOR | ARM® Cortex®-M3 |
| CONNECTIVITY | CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB |
| BASE PART NUMBER | STM32F103 |

## Related Tags

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### STM32F103R6T7A
Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 32KB FLASH 64LQFP
In stock: 21 pcs
**RFQ**

### STM32F103R8T7
Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 64KB FLASH 64LQFP
In stock: 809 pcs
**RFQ**

### STM32F103RBH7
Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 128KB FLASH 64TFBGA
In stock: Out stock
**RFQ**

### STM32F103R6T6ATR
Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 32KB FLASH 64LQFP
In stock: Out stock
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### STM32F103R6T6A
Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 32KB FLASH 64LQFP
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Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 128KB FLASH 64TFBGA
In stock: Out stock
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Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 64KB FLASH 64TFBGA
In stock: Out stock
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Manufacturers: STMicroelectronics
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Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 64KB FLASH 64TFBGA
In stock: Out stock
**RFQ**

### STM32F103RBH6
Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 128KB FLASH 64TFBGA
In stock: Out stock
**RFQ**

### STM32F103R8T7TR
Manufacturers: STMicroelectronics
Description: IC MCU 32BIT 64KB FLASH 64LQFP
In stock: Out stock
**RFQ**