



STMicroelectronics



STM32F103V8T6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F103V8T6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 64KB FLASH 100LQFP                                                                              |
| Datasheets:         |  STM32F103V8T6TR.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 24299 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

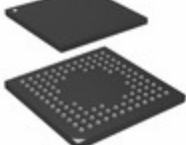
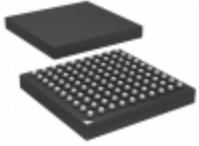
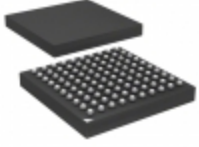
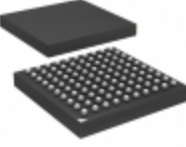
Specifications of STM32F103V8T6TR

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F103V8T6TR                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 100LQFP                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 24299 pcs                                                                                               |
| DATA SHEET                       |  STM32F103V8T6TR.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                        | Tape & Reel (TR)                                                                                        |
| PACKAGE / CASE                   | 100-LQFP                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                       |
| NUMBER OF I/O                    | 80                                                                                                      |
| 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 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                                                                                               |

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Related Products

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F103V8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/>In stock: 14788 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F103T8U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 36VFQFPN<br/>In stock: 16894 pcs<br/><div>RFQ</div></div> |
|  <div><b>STM32F103VB6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 26788 pcs<br/><div>RFQ</div></div> |  <div><b>STM32F103VB16</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100UBGA<br/>In stock: 24934 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F103VBH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100BGA<br/>In stock: 22696 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F103VBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 13957 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F103VBH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LFBG<br/>In stock: 14555 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F103V8H6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 100LFBGA<br/>In stock: 32350 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F103TBU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 36QFPN<br/>In stock: 14915 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F103TBU7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 36QFPN<br/>In stock: 27220 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32F103VBT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 13200 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F103TBU6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: VFQFPN 36 6X6X1.0 PI<br/>In stock: 33397 pcs<br/><div>RFQ</div></div>             |