



STM32F100VBT6BTR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F100VBT6BTR                                                                                             |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 128KB FLASH 100LQFP                                                                             |
| Datasheets:         |  STM32F100VBT6BTR.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 STM32F100VBT6BTR

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F100VBT6BTR                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 100LQFP                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| DATA SHEET                       |  STM32F100VBT6BTR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                              |
| SPEED                            | 24MHz                                                                                                    |
| SERIES                           | STM32F1                                                                                                  |
| RAM SIZE                         | 8K x 8                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                    |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                         |
| PERIPHERALS                      | DMA, 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)                                                                                            |
| 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 128KB (128K 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>STM32F100RET7BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: Out stock<br/><div>RFQ</div></div>             |  <div><b>STM32F100VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>STM32F100RET6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F100VDT6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: 748 pcs<br/><div>RFQ</div></div>     |
|  <div><b>STM32F100V8T7B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>STM32F100VCT6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
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|  <div><b>STM32F100V8T6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/>In stock: 676 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F100V8T6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>STM32F100VCT6B</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>STM32F100VDT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |