



STM32F446VET6TR

|                     |                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F446VET6TR                                                                                       |
| Manufacturer/Brand: | STMicroelectronics                                                                                    |
| Product description | LQFP 100 14X14X1.4                                                                                    |
| Datasheets:         |  STM32F446VET6TR.pdf |
| Stock Condition     | 18579 pcs stock                                                                                       |
| Ship From           | Hong Kong                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                 |

REQUEST FOR QUOTATION

Specifications of STM32F446VET6TR

|                                |                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                    | STM32F446VET6TR                                                                                         |
| MANUFACTURER                   | STMicroelectronics                                                                                      |
| DESCRIPTION                    | LQFP 100 14X14X1.4                                                                                      |
| LEAD FREE STATUS / ROHS STATUS |                                                                                                         |
| QUANTITY AVAILABLE             | 18579 pcs                                                                                               |
| DATA SHEET                     |  STM32F446VET6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)     | 1.7 V ~ 3.6 V                                                                                           |
| SUPPLIER DEVICE PACKAGE        | 100-LQFP (14x14)                                                                                        |
| SPEED                          | 180MHz                                                                                                  |
| SERIES                         | STM32F4                                                                                                 |
| RAM SIZE                       | 128K x 8                                                                                                |
| PROGRAM MEMORY TYPE            | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE            | 512KB (512K x 8)                                                                                        |
| PERIPHERALS                    | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT                                       |
| PACKAGING                      | Tape & Reel (TR)                                                                                        |
| PACKAGE / CASE                 | 100-LQFP                                                                                                |
| OSCILLATOR TYPE                | Internal                                                                                                |
| OPERATING TEMPERATURE          | -40°C ~ 85°C (TA)                                                                                       |
| NUMBER OF I/O                  | 81                                                                                                      |
| EEPROM SIZE                    | -                                                                                                       |
| DETAILED DESCRIPTION           | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)        |
| DATA CONVERTERS                | A/D 16x12b, D/A 2x12b                                                                                   |
| CORE SIZE                      | 32-Bit                                                                                                  |
| CORE PROCESSOR                 | ARM® Cortex®-M4                                                                                         |
| CONNECTIVITY                   | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, SAI, SD, SPDIF-Rx, SPI, UART/USART, USB, USB OTG       |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                         |
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|  <div><b>STM32F446RET7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 18111 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F446RET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 10524 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F446ZCH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144UFBG<br/>In stock: 20307 pcs<br/><div>RFQ</div></div> |  <div><b>STM32F446RET7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 17085 pcs<br/><div>RFQ</div></div> |
|  <div><b>STM32F446ZCH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144BGA<br/>In stock: 18710 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F446VET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 9497 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F446ZCJ6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144BGA<br/>In stock: 18147 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F446ZCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 10087 pcs<br/><div>RFQ</div></div>  |
|  <div><b>STM32F446ZCT6JTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: 14596 pcs<br/><div>RFQ</div></div>          |  <div><b>STM32F446VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 15771 pcs<br/><div>RFQ</div></div>  |
|  <div><b>STM32F446VET7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 12413 pcs<br/><div>RFQ</div></div> |  <div><b>STM32F446VCT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 15657 pcs<br/><div>RFQ</div></div>                |