



STMicroelectronics



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STM32F427VIT6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F427VIT6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 2MB FLASH 100LQFP                                                                               |
| Datasheets:         | <a href="#">PDF STM32F427VIT6TR.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 STM32F427VIT6TR

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| PART NUMBER                      | STM32F427VIT6TR                                                             |
| MANUFACTURER                     | STMicroelectronics                                                          |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 100LQFP                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                  |
| DATA SHEET                       | <a href="#">PDF STM32F427VIT6TR.pdf</a>                                     |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                               |
| SPEED                            | 180MHz                                                                      |
| SERIES                           | STM32F4                                                                     |
| RAM SIZE                         | 256K x 8                                                                    |
| PROGRAM MEMORY TYPE              | FLASH                                                                       |
| PROGRAM MEMORY SIZE              | 2MB (2M x 8)                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                             |
| PACKAGING                        | Tape & Reel (TR)                                                            |
| OSCILLATOR TYPE                  | Internal                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                           |
| NUMBER OF I/O                    | 82                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                               |
| MANUFACTURER STANDARD LEAD TIME  | 14 Weeks                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                  |
| EEPROM SIZE                      | -                                                                           |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 180MHz 2MB (2M x 8) FLASH |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                       |
| CORE SIZE                        | 32-Bit                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                             |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG      |

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|  <div><b>STM32F427ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 145 pcs<br/>RFQ</div>     |  <div><b>STM32F427VIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>STM32F427ZIT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock<br/>RFQ</div>           |  <div><b>STM32F427IIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: Out stock<br/>RFQ</div>   |
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|  <div><b>STM32F427VGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: Out stock<br/>RFQ</div>             |  <div><b>STM32F427ZIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 6 pcs<br/>RFQ</div>       |
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