



STMicroelectronics



### STM32F427ZIT6TR

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F427ZIT6TR                                                                                                       |
| Manufacturer/Brand: | STMicroelectronics                                                                                                    |
| Product description | LQFP 144 20X20X1.4 2                                                                                                  |
| Datasheets:         |  <a href="#">STM32F427ZIT6TR.pdf</a> |
| Stock Condition     | 7780 pcs stock                                                                                                        |
| 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 STM32F427ZIT6TR

|                                |                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                    | STM32F427ZIT6TR                                                                                                         |
| MANUFACTURER                   | STMicroelectronics                                                                                                      |
| DESCRIPTION                    | LQFP 144 20X20X1.4 2                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS |                                                                                                                         |
| QUANTITY AVAILABLE             | 7780 pcs                                                                                                                |
| DATA SHEET                     |  <a href="#">STM32F427ZIT6TR.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                      | Tray                                                                                                                    |
| PACKAGE / CASE                 | 144-LQFP                                                                                                                |
| OSCILLATOR TYPE                | Internal                                                                                                                |
| OPERATING TEMPERATURE          | -40°C ~ 85°C (TA)                                                                                                       |
| NUMBER OF I/O                  | 114                                                                                                                     |
| EEPROM SIZE                    | -                                                                                                                       |
| DETAILED DESCRIPTION           | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 180MHz 2MB (2M x 8) FLASH                                             |
| DATA CONVERTERS                | A/D 24x12b, 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                                                  |

#### Related Tags

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#### Related Products

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|  <div><b>STM32F427VIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 5683 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F427VGT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 8681 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32F427ZIT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 8326 pcs<br/><div>RFQ</div></div> |  <div><b>STM32F427ZIT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 6252 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32F427ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 6441 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F427VIT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 10037 pcs<br/><div>RFQ</div></div> |
|  <div><b>STM32F429AIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 169UFBGA<br/>In stock: 5654 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F429BGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 6723 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32F429AGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 169UFBGA<br/>In stock: 6652 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F427ZIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 6740 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32F429BET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: 9158 pcs<br/><div>RFQ</div></div> |  <div><b>STM32F427VIT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 10006 pcs<br/><div>RFQ</div></div> |