



STMicroelectronics



STM32F429VIT6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F429VIT6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 2MB FLASH 100LQFP                                                                               |
| Datasheets:         |  STM32F429VIT6TR.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 9598 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 STM32F429VIT6TR

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F429VIT6TR                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 100LQFP                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 9598 pcs                                                                                                |
| DATA SHEET                       |  STM32F429VIT6TR.pdf |
| 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, LCD, 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)                                                                                           |
| 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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Related Products

|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F429VET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 11991 pcs<br/>RFQ</div>             |  <div><b>STM32F429ZGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: 7531 pcs<br/>RFQ</div>           |
|  <div><b>STM32F429VIT6E</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 7856 pcs<br/>RFQ</div>               |  <div><b>STM32F429ZET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: 11390 pcs<br/>RFQ</div>          |
|  <div><b>STM32F429VIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 6309 pcs<br/>RFQ</div>    |  <div><b>STM32F429VIT6G</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 6923 pcs<br/>RFQ</div>              |
|  <div><b>STM32F429VGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 6483 pcs<br/>RFQ</div>    |  <div><b>STM32F429ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 6278 pcs<br/>RFQ</div>   |
|  <div><b>STM32F429ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 9094 pcs<br/>RFQ</div>  |  <div><b>STM32F429ZIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 5228 pcs<br/>RFQ</div>   |
|  <div><b>STM32F429ZGY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 18026 pcs<br/>RFQ</div> |  <div><b>STM32F429VGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 9278 pcs<br/>RFQ</div> |