



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F429NIH6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F429NIH6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 2MB FLASH 216TFBGA                                                                              |
|                     |  1.STM32F429NIH6TR.pdf      |
|                     |  2.STM32F429NIH6TR.pdf      |
|                     |  3.STM32F429NIH6TR.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 7188 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

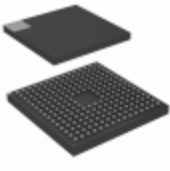
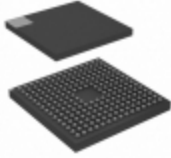
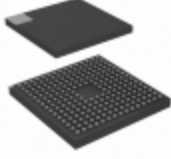
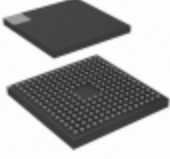
Specifications of STM32F429NIH6TR

|                                  |                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F429NIH6TR                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                  |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 216TFBGA                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                          |
| QUANTITY AVAILABLE               | 7188 pcs                                                                                                                                                                                                                                                                                                                            |
| DATA SHEET                       |  1.STM32F429NIH6TR.pdf<br> 2.STM32F429NIH6TR.pdf<br> 3.STM32F429NIH6TR.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                    | 168                                                                                                                                                                                                                                                                                                                                 |
| 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 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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| STMicroelectronics STM32F429NIH6TR | STM32F429NIH6TR Distributor        | STM32F429NIH6TR Supplier               |
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Related Products

|                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F429NGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 216BGA<br/>In stock: 11460 pcs<br/>RFQ</div>   |  <div><b>STM32F429NIH6G</b><br/>Manufacturers: STMicroelectronics<br/>Description: TFBGA 13X13X1.2 216L<br/>In stock: 5797 pcs<br/>RFQ</div>            |
|  <div><b>STM32F429NIH6E</b><br/>Manufacturers: STMicroelectronics<br/>Description: TFBGA 13X13X1.2 216L<br/>In stock: 6390 pcs<br/>RFQ</div>            |  <div><b>STM32F429VGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 4868 pcs<br/>RFQ</div> |
|  <div><b>STM32F429VET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 9536 pcs<br/>RFQ</div> |  <div><b>STM32F429NIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 4868 pcs<br/>RFQ</div>  |
|  <div><b>STM32F429VET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 11991 pcs<br/>RFQ</div>            |  <div><b>STM32F429NIH6J</b><br/>Manufacturers: STMicroelectronics<br/>Description: TFBGA 13X13X1.2 216L<br/>In stock: 7350 pcs<br/>RFQ</div>            |
|  <div><b>STM32F429NIH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 8680 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>STM32F429NIH6U</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 5519 pcs<br/>RFQ</div> |  <div><b>STM32F429NEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 216BGA<br/>In stock: 11690 pcs<br/>RFQ</div> |