



STM32F427ZIT7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F427ZIT7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 2MB FLASH 144LQFP                                                                               |
| Datasheets:         |  STM32F427ZIT7.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6252 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F427ZIT7

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F427ZIT7                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 144LQFP                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 6252 pcs                                                                                              |
| DATA SHEET                       |  STM32F427ZIT7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                      |
| 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                                                                                              |
| OTHER NAMES                      | 497-17451<br>STM32F427ZIT7-ND                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                    |
| NUMBER OF I/O                    | 114                                                                                                   |
| 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 144-LQFP (20x20)          |
| 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

|                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>STM32F427ZIT6TR<br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: 7780 pcs</div> <div>RFQ</div>           |  <div>STM32F427VIT7TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 10006 pcs</div> <div>RFQ</div> |
|  <div>STM32F429AGH6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 169UFBGA<br/>In stock: 6652 pcs</div> <div>RFQ</div>  |  <div>STM32F429BGT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 6723 pcs</div> <div>RFQ</div>    |
|  <div>STM32F427VIT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 5683 pcs</div> <div>RFQ</div>   |  <div>STM32F427ZGT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 6441 pcs</div> <div>RFQ</div>    |
|  <div>STM32F427ZIT7TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 8326 pcs</div> <div>RFQ</div> |  <div>STM32F427VIT6TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 10037 pcs</div> <div>RFQ</div> |
|  <div>STM32F427ZIT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 6740 pcs</div> <div>RFQ</div>   |  <div>STM32F429BIT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 208LQFP<br/>In stock: 6387 pcs</div> <div>RFQ</div>    |
|  <div>STM32F429BET6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: 9158 pcs</div> <div>RFQ</div> |  <div>STM32F429AIH6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 169UFBGA<br/>In stock: 5654 pcs</div> <div>RFQ</div>   |