



STM32F427ZIT6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F427ZIT6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 2MB FLASH 144LQFP                                                                               |
| Datasheets:         | <a href="#">PDF</a> STM32F427ZIT6.pdf                                                                        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F427ZIT6

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F427ZIT6                                                                       |
| MANUFACTURER                     | STMicroelectronics                                                                  |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 144LQFP                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                          |
| DATA SHEET                       | <a href="#">PDF</a> STM32F427ZIT6.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, I <sup>2</sup> S, POR, PWM, WDT                        |
| PACKAGING                        | Tray                                                                                |
| PACKAGE / CASE                   | 144-LQFP                                                                            |
| OTHER NAMES                      | 497-14050<br>STM32F427ZIT6-ND                                                       |
| OSCILLATOR TYPE                  | Internal                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                   |
| NUMBER OF I/O                    | 114                                                                                 |
| 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 24x12b, D/A 2x12b                                                               |
| CORE SIZE                        | 32-Bit                                                                              |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                     |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB OTG |
| BASE PART NUMBER                 | STM32F427                                                                           |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F427ZIT6 | STM32F427ZIT6 Distributor        | STM32F427ZIT6 Supplier               |
| STM32F427ZIT6 Price              | STM32F427ZIT6 Pictures           | STM32F427ZIT6 Image                  |
| STM32F427ZIT6 PDF Datasheet      | STM32F427ZIT6 Download Datasheet | STM32F427ZIT6 Datasheet              |
| STM32F427ZIT6 Stock              | Buy STM32F427ZIT6                | Buy STMicroelectronics STM32F427ZIT6 |
| STMicroelectronics STM32F427ZIT6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STM32F427ZIT6                    |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>STM</div> <div>life.augmented</div>                                                                                                                                    | <div>STM32F427ZIT6TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: LQFP 144 20X20X1.4 2</div> <div>In stock: Out stock</div> <div>RFQ</div>                                                                                               |  <div>STM32F427VGT6TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: LQFP 100 14X14X1.4</div> <div>In stock: Out stock</div> <div>RFQ</div> |
|  <div>STM32F427VGT7</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1MB FLASH 100LQFP</div> <div>In stock: Out stock</div> <div>RFQ</div>  |  <div>STM</div> <div>life.augmented</div>                                                                                                                                     | <div>STM32F427VIT6TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 2MB FLASH 100LQFP</div> <div>In stock: Out stock</div> <div>RFQ</div>                                                                         |
|  <div>STM32F427VIT6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 2MB FLASH 100LQFP</div> <div>In stock: Out stock</div> <div>RFQ</div>  |  <div>STM32F429BET6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 512KB FLASH 208LQFP</div> <div>In stock: Out stock</div> <div>RFQ</div> |                                                                                                                                                                                                                                                      |
|  <div>STM32F427ZGT6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1MB FLASH 144LQFP</div> <div>In stock: 145 pcs</div> <div>RFQ</div>    |  <div>STM32F427ZIT7TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 2MB FLASH 144LQFP</div> <div>In stock: Out stock</div> <div>RFQ</div> |                                                                                                                                                                                                                                                      |
|  <div>STM32F429AIH6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 2MB FLASH 169UFBGA</div> <div>In stock: 656 pcs</div> <div>RFQ</div>   |  <div>STM32F427VIT7TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 2MB FLASH 100LQFP</div> <div>In stock: Out stock</div> <div>RFQ</div> |                                                                                                                                                                                                                                                      |
|  <div>STM32F429AGH6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 1MB FLASH 169UFBGA</div> <div>In stock: Out stock</div> <div>RFQ</div> |  <div>STM32F427ZIT7</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 2MB FLASH 144LQFP</div> <div>In stock: 351 pcs</div> <div>RFQ</div>     |                                                                                                                                                                                                                                                      |