



STMicroelectronics



STM32F429ZIT6E

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F429ZIT6E                                                                                       |
| Manufacturer/Brand: | STMicroelectronics                                                                                   |
| Product description | LQFP 144 20X20X1.4 2                                                                                 |
| Datasheets:         |  STM32F429ZIT6E.pdf |
| Ship From           | Hong Kong                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

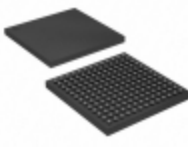
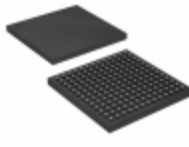
Specifications of STM32F429ZIT6E

|                                 |                                                                                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                     | STM32F429ZIT6E                                                                                         |
| MANUFACTURER                    | STMicroelectronics                                                                                     |
| DESCRIPTION                     | LQFP 144 20X20X1.4 2                                                                                   |
| LEAD FREE STATUS / ROHS STATUS  |                                                                                                        |
| DATA SHEET                      |  STM32F429ZIT6E.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, LCD, POR, PWM, WDT                                                   |
| PACKAGING                       | Tray                                                                                                   |
| PACKAGE / CASE                  | 144-LQFP                                                                                               |
| OSCILLATOR TYPE                 | Internal                                                                                               |
| OPERATING TEMPERATURE           | -40°C ~ 85°C (TA)                                                                                      |
| NUMBER OF I/O                   | 114                                                                                                    |
| MANUFACTURER STANDARD LEAD TIME | 14 Weeks                                                                                               |
| 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, A/D 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>STM32F429ZGT6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock</div> <div>RFQ</div>           |  <div>STM32F429ZIY6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 143WLCSP<br/>In stock: Out stock</div> <div>RFQ</div> |
|  <div>STM32F429ZIT6G</div> <div>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock</div> <div>RFQ</div>            |  <div>STM32F429ZIT6</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 92 pcs</div> <div>RFQ</div>       |
|  <div>STM32F429ZGT6</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 446 pcs</div> <div>RFQ</div>     |  <div>STM32F429ZET6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock</div> <div>RFQ</div>            |
|  <div>STM32F429ZGY6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: Out stock</div> <div>RFQ</div> |  <div>STM32F437AIH6</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 169BGA<br/>In stock: Out stock</div> <div>RFQ</div>     |
|  <div>STM32F437AIH6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 169BGA<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div>STM32F429ZIT6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div>STM32F429ZET6</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 142 pcs</div> <div>RFQ</div>   |  <div>STM32F429ZIY6JTR</div> <div>Manufacturers: STMicroelectronics<br/>Description: WLCSP 143 BALLS DIE<br/>In stock: Out stock</div> <div>RFQ</div>            |