



STMicroelectronics



STM32F302RET7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F302RET7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLASH 64LQFP                                                                              |
|                     |  1.STM32F302RET7.pdf        |
|                     |  2.STM32F302RET7.pdf        |
|                     |  3.STM32F302RET7.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 25051 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F302RET7

|                                  |                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F302RET7                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 64LQFP                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 25051 pcs                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       |  1.STM32F302RET7.pdf<br> 2.STM32F302RET7.pdf<br> 3.STM32F302RET7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                                                                                                                                                                                                                               |
| SPEED                            | 72MHz                                                                                                                                                                                                                                                                                                                         |
| SERIES                           | STM32F3                                                                                                                                                                                                                                                                                                                       |
| RAM SIZE                         | 64K x 8                                                                                                                                                                                                                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                                                                                                                              |
| PERIPHERALS                      | DMA, I <sup>2</sup> S, POR, PWM, WDT                                                                                                                                                                                                                                                                                          |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 64-LQFP                                                                                                                                                                                                                                                                                                                       |
| OTHER NAMES                      | 497-16744                                                                                                                                                                                                                                                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                                                                            |
| NUMBER OF I/O                    | 26                                                                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F3 Microcontroller IC 32-Bit 72MHz 512KB (512K x 8) FLASH 64-LQFP (10x10)                                                                                                                                                                                                                                |
| DATA CONVERTERS                  | A/D 16x12b, D/A 1x12b                                                                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                               |
| CONNECTIVITY                     | CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB                                                                                                                                                                                                                                                                  |

Related Tags

|                                  |                                  |                                      |
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| STMicroelectronics STM32F302RET7 | STM32F302RET7 Distributor        | STM32F302RET7 Supplier               |
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| STM32F302RET7                    |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                      |
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|  <div><b>STM32F302RDT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 64LQFP<br/>In stock: 29924 pcs</div> <div>RFQ</div> |  <div><b>STM32F302VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 16214 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F302RDT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 64LQFP<br/>In stock: 25649 pcs</div> <div>RFQ</div>   |  <div><b>STM32F302RDT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: 17483 pcs</div> <div>RFQ</div>                |
|  <div><b>STM32F302RCT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: 29363 pcs</div> <div>RFQ</div>             |  <div><b>STM32F302VCT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 26165 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F302RET7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 25862 pcs</div> <div>RFQ</div> |  <div><b>STM32F302RET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 28114 pcs</div> <div>RFQ</div>  |
|  <div><b>STM32F302RET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 15707 pcs</div> <div>RFQ</div>   |  <div><b>STM32F302VBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 25369 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F302VBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 18266 pcs</div> <div>RFQ</div>  |  <div><b>STM32F302VCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 25227 pcs</div> <div>RFQ</div> |