



STM32F205REY6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F205REY6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLSH 64LWLCSP                                                                             |
|                     |  1.STM32F205REY6TR.pdf      |
|                     |  2.STM32F205REY6TR.pdf      |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         | 20792 pcs stock                                                                                              |
| Stock Condition     | Hong Kong                                                                                                    |
| Ship From           | DHL/Fedex/TNT/UPS/EMS                                                                                        |
| Shipment Way        |                                                                                                              |

REQUEST FOR QUOTATION

Specifications of STM32F205REY6TR

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F205REY6TR                                                                                                                                                                                                        |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLSH 64LWLCSP                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 20792 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.STM32F205REY6TR.pdf<br> 2.STM32F205REY6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 64-WLCSP                                                                                                                                                                                                               |
| SPEED                            | 120MHz                                                                                                                                                                                                                 |
| SERIES                           | STM32F2                                                                                                                                                                                                                |
| RAM SIZE                         | 132K x 8                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                                                                                                                   |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 64-UFBGA, WLCSP                                                                                                                                                                                                        |
| OTHER NAMES                      | 497-17403-2<br>STM32F205REY6TR-ND                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 51                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| EEPROM SIZE                      | -                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F2 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 64-WLCSP                                                                                                                               |
| DATA CONVERTERS                  | A/D 16x12b; D/A 2x12b                                                                                                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                        |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG                                                                                                                                                               |
| BASE PART NUMBER                 | STM32F205                                                                                                                                                                                                              |

Related Tags

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| STMicroelectronics STM32F205REY6TR | STM32F205REY6TR Distributor        | STM32F205REY6TR Supplier               |
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Related Products

|                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>STM32F205RFT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 64LQFP<br/>In stock: 7908 pcs</div> <div>RFQ</div>  |  <div>STM32F205RFT6TR<br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: 17312 pcs</div> <div>RFQ</div>             |
|  <div>STM32F205RET7<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 14791 pcs</div> <div>RFQ</div> |  <div>STM32F205RET7TR<br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: 15278 pcs</div> <div>RFQ</div>             |
|  <div>STM32F205RET6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 9915 pcs</div> <div>RFQ</div>  |  <div>STM32F205RCT6TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 19041 pcs</div> <div>RFQ</div> |
|  <div>STM32F205RGT6V<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: 10692 pcs</div> <div>RFQ</div>  |  <div>STM32F205RET6TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 8189 pcs</div> <div>RFQ</div>  |
|  <div>STM32F205RGT6TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: 15428 pcs</div> <div>RFQ</div> |  <div>STM32F205RGT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: 8215 pcs</div> <div>RFQ</div>      |
|  <div>STM32F205RCT7<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 11741 pcs</div> <div>RFQ</div> |  <div>STM32F205RGT6W<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: 10256 pcs</div> <div>RFQ</div>    |