



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F205RGT7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F205RGT7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 1MB FLASH 64LQFP                                                                                |
|                     |  1.STM32F205RGT7.pdf        |
|                     |  2.STM32F205RGT7.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

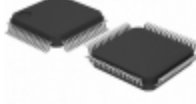
Specifications of STM32F205RGT7

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F205RGT7                                                                                                                                                                                                      |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 64LQFP                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| DATA SHEET                       |  1.STM32F205RGT7.pdf<br> 2.STM32F205RGT7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                                                                                                                    |
| SPEED                            | 120MHz                                                                                                                                                                                                             |
| SERIES                           | STM32F2                                                                                                                                                                                                            |
| RAM SIZE                         | 132K x 8                                                                                                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                                                                                                               |
| PACKAGING                        | Tray                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 64-LQFP                                                                                                                                                                                                            |
| OTHER NAMES                      | 497-17404<br>STM32F205RGT7-ND                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                 |
| NUMBER OF I/O                    | 51                                                                                                                                                                                                                 |
| 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®-M3 STM32F2 Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 64-LQFP (10x10)                                                                                                                        |
| 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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Related Products

|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                               |
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|  <div><b>STM32F205RFT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 64LQFP<br/>In stock: 881 pcs<br/>RFQ</div>      |  <div><b>STM32F205VBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 692 pcs<br/>RFQ</div>     |
|  <div><b>STM32F205VCT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>STM32F205RGT6V</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: Out stock<br/>RFQ</div>     |
|  <div><b>STM32F205RGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: Out stock<br/>RFQ</div>    |  <div><b>STM32F205RGY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64WLCSP<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>STM32F205VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>STM32F205VCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>STM32F205RFT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 64 10X10X1.4 1<br/>In stock: Out stock<br/>RFQ</div>              |  <div><b>STM32F205RGT6W</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: Out stock<br/>RFQ</div>     |
|  <div><b>STM32F205VCT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 201 pcs<br/>RFQ</div>     |  <div><b>STM32F205RGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br/>In stock: 160 pcs<br/>RFQ</div>        |