



STMicroelectronics



STM32F205VGT7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F205VGT7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 1MB FLASH 100LQFP                                                                               |
|                     |  1.STM32F205VGT7.pdf        |
|                     |  2.STM32F205VGT7.pdf        |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Stock Condition     | 10919 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F205VGT7

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F205VGT7                                                                                                                                                                                                      |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 100LQFP                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 10919 pcs                                                                                                                                                                                                          |
| DATA SHEET                       |  1.STM32F205VGT7.pdf<br> 2.STM32F205VGT7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                                                                                                                   |
| 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, I <sup>2</sup> S, LCD, POR, PWM, WDT                                                                                                                                                  |
| PACKAGING                        | Tray                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                 |
| NUMBER OF I/O                    | 82                                                                                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| 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 100-LQFP (14x14)                                                                                                                       |
| DATA CONVERTERS                  | A/D 16x12b; D/A 2x12b                                                                                                                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG                                                                                                                                              |
| BASE PART NUMBER                 | STM32F205                                                                                                                                                                                                          |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F205VGT7 | STM32F205VGT7 Distributor        | STM32F205VGT7 Supplier               |
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Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F205VGT6W</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 9908 pcs</div> <div>RFQ</div>     |  <div><b>STM32F205ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 9046 pcs</div> <div>RFQ</div>    |
|  <div><b>STM32F205VGT6V</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 11171 pcs</div> <div>RFQ</div>    |  <div><b>STM32F205VGT6J</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 9569 pcs</div> <div>RFQ</div>     |
|  <div><b>STM32F205VGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 8136 pcs</div> <div>RFQ</div>      |  <div><b>STM32F205ZCT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 15214 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F205ZCT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 7875 pcs</div> <div>RFQ</div>    |  <div><b>STM32F205ZCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 11243 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F205VGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 14896 pcs</div> <div>RFQ</div>               |  <div><b>STM32F205VGT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 13412 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F205VFT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 100LQFP<br/>In stock: 14938 pcs</div> <div>RFQ</div> |  <div><b>STM32F205ZCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 14288 pcs</div> <div>RFQ</div> |