



STMicroelectronics



STM32F105RCT7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F105RCT7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 256KB FLASH 64LQFP                                                                              |
| Datasheets:         |  STM32F105RCT7.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 15321 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

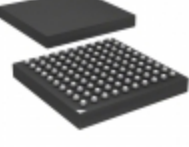
Specifications of STM32F105RCT7

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F105RCT7                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64LQFP                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 15321 pcs                                                                                             |
| DATA SHEET                       |  STM32F105RCT7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                       |
| SPEED                            | 72MHz                                                                                                 |
| SERIES                           | STM32F1                                                                                               |
| RAM SIZE                         | 64K x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                      |
| PERIPHERALS                      | DMA, POR, PWM, Voltage Detect, WDT                                                                    |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 64-LQFP                                                                                               |
| OTHER NAMES                      | 497-11547<br>STM32F105RCT7-ND                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                    |
| NUMBER OF I/O                    | 51                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | -                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 72MHz 256KB (256K 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, SPI, UART/USART, USB OTG                                                   |
| BASE PART NUMBER                 | STM32F105                                                                                             |

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Related Products

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F105RCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 10766 pcs</div> <div>RFQ</div>   |  <div><b>STM32F105RCT6W</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 18872 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F105RCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 17842 pcs</div> <div>RFQ</div> |  <div><b>STM32F105V8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 100LQFP<br/>In stock: 15405 pcs</div> <div>RFQ</div>    |
|  <div><b>STM32F105RBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 14822 pcs</div> <div>RFQ</div>   |  <div><b>STM32F105VBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 16924 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F105RBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 20124 pcs</div> <div>RFQ</div> |  <div><b>STM32F105VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 9556 pcs</div> <div>RFQ</div>    |
|  <div><b>STM32F105RCT6V</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 9399 pcs</div> <div>RFQ</div>   |  <div><b>STM32F105VCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 19799 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F105VBH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLSH 100LFBGA<br/>In stock: 26177 pcs</div> <div>RFQ</div>  |  <div><b>STM32F105VCT6V</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 14234 pcs</div> <div>RFQ</div>  |