



STMicroelectronics



STM32F030RCT6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F030RCT6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 256KB FLASH 64LQFP                                                                              |
|                     | <a href="#">1.STM32F030RCT6TR.pdf</a>                                                                        |
|                     | <a href="#">2.STM32F030RCT6TR.pdf</a>                                                                        |
|                     | <a href="#">3.STM32F030RCT6TR.pdf</a>                                                                        |
|                     | <a href="#">4.STM32F030RCT6TR.pdf</a>                                                                        |
|                     | <a href="#">5.STM32F030RCT6TR.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of STM32F030RCT6TR

|                                  |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F030RCT6TR                                                                                                                                                                                           |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 64LQFP                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                |
| DATA SHEET                       | <a href="#">1.STM32F030RCT6TR.pdf</a><br><a href="#">2.STM32F030RCT6TR.pdf</a><br><a href="#">3.STM32F030RCT6TR.pdf</a><br><a href="#">4.STM32F030RCT6TR.pdf</a><br><a href="#">5.STM32F030RCT6TR.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.4 V ~ 3.6 V                                                                                                                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                                                                                                           |
| SPEED                            | 48MHz                                                                                                                                                                                                     |
| SERIES                           | STM32F0                                                                                                                                                                                                   |
| RAM SIZE                         | 32K x 8                                                                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                     |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                          |
| PERIPHERALS                      | DMA, POR, PWM, WDT                                                                                                                                                                                        |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                          |
| PACKAGE / CASE                   | 64-LQFP                                                                                                                                                                                                   |
| OTHER NAMES                      | 497-17337-2<br>STM32F030RCT6TR-ND                                                                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                         |
| NUMBER OF I/O                    | 51                                                                                                                                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                             |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                |
| EEPROM SIZE                      | -                                                                                                                                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 STM32F0 Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 64-LQFP (10x10)                                                                                                            |
| DATA CONVERTERS                  | A/D 18x12b                                                                                                                                                                                                |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                                                                                                                           |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                      |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                             |
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| <div><div><b>STM32F030RCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: Out stock</div><div>RFQ</div></div>   | <div><div><b>STM32F030K6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: Out stock</div><div>RFQ</div></div> |
| <div><div><b>STM32F031C6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: Out stock</div><div>RFQ</div></div>  | <div><div><b>STM32F031C6T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: Out stock</div><div>RFQ</div></div>   |
| <div><div><b>STM32F030K6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: Out stock</div><div>RFQ</div></div>    | <div><div><b>STM32F030R8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: Out stock</div><div>RFQ</div></div> |
| <div><div><b>STM32F030F4P6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 20TSSOP<br/>In stock: Out stock</div><div>RFQ</div></div> | <div><div><b>STM32F031C6T7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: Out stock</div><div>RFQ</div></div> |
| <div><div><b>STM32F031C6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: Out stock</div><div>RFQ</div></div>    | <div><div><b>STM32F031C4T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 48LQFP<br/>In stock: Out stock</div><div>RFQ</div></div> |
| <div><div><b>STM32F030R8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 553 pcs</div><div>RFQ</div></div>      | <div><div><b>STM32F031C4T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 48LQFP<br/>In stock: Out stock</div><div>RFQ</div></div>   |