



STMicroelectronics



STM32F051K4T6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F051K4T6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 16KB FLASH 32LQFP                                                                               |
|                     |  1.STM32F051K4T6TR.pdf      |
|                     |  2.STM32F051K4T6TR.pdf      |
|                     |  3.STM32F051K4T6TR.pdf      |
|                     |  4.STM32F051K4T6TR.pdf      |
|                     |  5.STM32F051K4T6TR.pdf      |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 88517 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

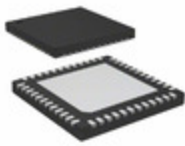
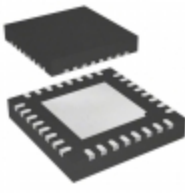
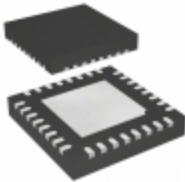
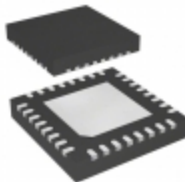
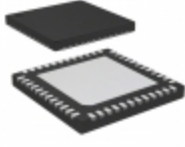
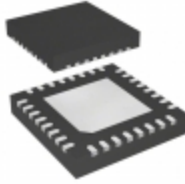
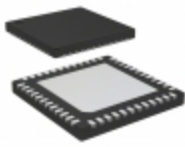
Specifications of STM32F051K4T6TR

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F051K4T6TR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 16KB FLASH 32LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 88517 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       |  1.STM32F051K4T6TR.pdf<br> 2.STM32F051K4T6TR.pdf<br> 3.STM32F051K4T6TR.pdf<br> 4.STM32F051K4T6TR.pdf<br> 5.STM32F051K4T6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 32-LQFP (7x7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SERIES                           | STM32F0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RAM SIZE                         | 8K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PACKAGE / CASE                   | 32-LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NUMBER OF I/O                    | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 STM32F0 Microcontroller IC 32-Bit 48MHz 16KB (16K x 8) FLASH 32-LQFP (7x7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DATA CONVERTERS                  | A/D 13x12b, D/A 1x12b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CONNECTIVITY                     | HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASE PART NUMBER                 | STM32F051                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Related Tags

|                                    |                                    |                                        |
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| STMicroelectronics STM32F051K4T6TR | STM32F051K4T6TR Distributor        | STM32F051K4T6TR Supplier               |
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Related Products

|                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F051C8U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: 32740 pcs</div> <div>RFQ</div> |  <div><b>STM32F051K6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: 36334 pcs</div> <div>RFQ</div>     |
|  <div><b>STM32F051C8U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFQFPN 7X7X0.55 48L<br/>In stock: 77392 pcs</div> <div>RFQ</div>            |  <div><b>STM32F051K4U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: 69961 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F051K4U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: 40924 pcs</div> <div>RFQ</div> |  <div><b>STM32F051K4U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: 78972 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F051C8U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: 62303 pcs</div> <div>RFQ</div> |  <div><b>STM32F051C8T7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 63746 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F051K6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: 71523 pcs</div> <div>RFQ</div> |  <div><b>STM32F051K4U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: 41899 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F051K4T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32LQFP<br/>In stock: 34591 pcs</div> <div>RFQ</div>   |  <div><b>STM32F051C8U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFQFPN 7X7X0.55 48L<br/>In stock: 65817 pcs</div> <div>RFQ</div>              |