



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F051K6T7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F051K6T7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 32LQFP                                                                               |
|                     |  1.STM32F051K6T7.pdf        |
|                     |  2.STM32F051K6T7.pdf        |
|                     |  3.STM32F051K6T7.pdf        |
|                     |  4.STM32F051K6T7.pdf        |
|                     |  5.STM32F051K6T7.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 75747 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

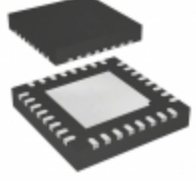
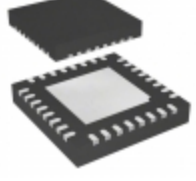
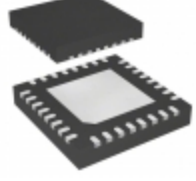
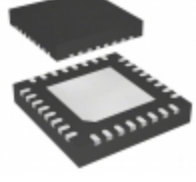
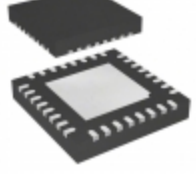
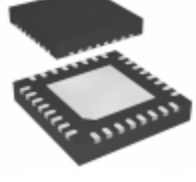
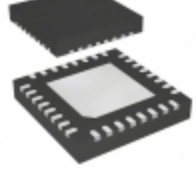
Specifications of STM32F051K6T7

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F051K6T7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 32LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| QUANTITY AVAILABLE               | 75747 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DATA SHEET                       |  1.STM32F051K6T7.pdf<br> 2.STM32F051K6T7.pdf<br> 3.STM32F051K6T7.pdf<br> 4.STM32F051K6T7.pdf<br> 5.STM32F051K6T7.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              | 32KB (32K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 32-LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OTHER NAMES                      | 497-16727                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 105°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 32KB (32K 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Related Tags

|                                  |                                  |                                      |
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Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F051K6U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFQFPN 5X5X0.55 32L<br/>In stock: 74399 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>STM32F051K6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 42164 pcs</div> <div>RFQ</div>   |  <div><b>STM32F051K6T7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 32 7X7X1.4 1<br/>In stock: 66866 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>STM32F051K4U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: 78972 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F051K8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32LQFP<br/>In stock: 38104 pcs</div> <div>RFQ</div>     |  <div><b>STM32F051K6U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 78270 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>STM32F051K6U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 68886 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>STM32F051K4U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: 41899 pcs</div> <div>RFQ</div>   |