



STM32F042T6Y6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F042T6Y6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 36WLCSP                                                                              |
| Datasheets:         |  STM32F042T6Y6TR.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 80654 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

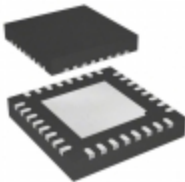
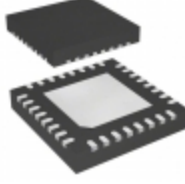
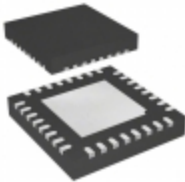
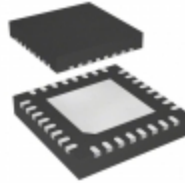
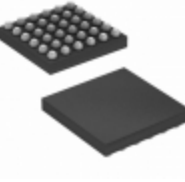
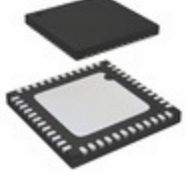
Specifications of STM32F042T6Y6TR

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F042T6Y6TR                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 36WLCSP                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 80654 pcs                                                                                               |
| DATA SHEET                       |  STM32F042T6Y6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 36-WLCSP                                                                                                |
| SPEED                            | 48MHz                                                                                                   |
| SERIES                           | STM32F0                                                                                                 |
| RAM SIZE                         | 6K x 8                                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                          |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                                 |
| PACKAGING                        | Tape & Reel (TR)                                                                                        |
| PACKAGE / CASE                   | 36-UFBGA, WLCSP                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                       |
| NUMBER OF I/O                    | 30                                                                                                      |
| 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 36-WLCSP                   |
| DATA CONVERTERS                  | A/D 13x12b                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                         |
| CONNECTIVITY                     | CANbus, HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART, USB                                               |

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Related Products

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F042K6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 38615 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F048G6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 28QFPN<br/>In stock: 72788 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F048C6U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48UFQFN<br/>In stock: 88736 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F042K6T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: 61169 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F042K6U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 72745 pcs<br/><div>RFQ</div></div> |  <div><b>STM32F050C6T6A</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: 62151 pcs<br/><div>RFQ</div></div>  |
|  <div><b>STM32F042K6U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 61505 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F050C4T6A</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 48LQFP<br/>In stock: 32248 pcs<br/><div>RFQ</div></div>  |
|  <div><b>STM32F042K6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: 31513 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F042K4U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: 79919 pcs<br/><div>RFQ</div></div> |
|  <div><b>STM32F048T6Y6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 36WLCSP<br/>In stock: 83057 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32F048C6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48UFQFPN<br/>In stock: 71810 pcs<br/><div>RFQ</div></div> |