



STMicroelectronics



STM32F072C8T7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F072C8T7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 64KB FLASH 48LQFP                                                                               |
| Datasheets:         |  STM32F072C8T7.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 62429 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

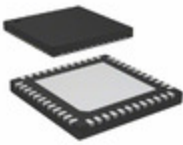
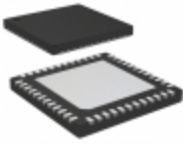
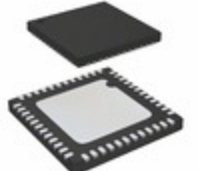
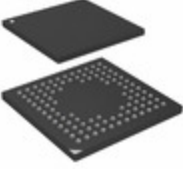
Specifications of STM32F072C8T7

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F072C8T7                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 48LQFP                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 62429 pcs                                                                                             |
| DATA SHEET                       |  STM32F072C8T7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 48-LQFP (7x7)                                                                                         |
| SPEED                            | 48MHz                                                                                                 |
| SERIES                           | STM32F0                                                                                               |
| RAM SIZE                         | 16K x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                        |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                               |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 48-LQFP                                                                                               |
| OTHER NAMES                      | 497-16732                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                    |
| NUMBER OF I/O                    | 37                                                                                                    |
| 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 64KB (64K x 8) FLASH 48-LQFP (7x7)            |
| DATA CONVERTERS                  | A/D 10x12b, D/A 2x12b                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                       |
| CONNECTIVITY                     | CANbus, HDMI-CEC, I²C, IrDA, LINbus, SPI, UART/USART, USB                                             |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F072C8U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: 59591 pcs<br/><b>RFQ</b></div>   |  <div><b>STM32F072C8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 31763 pcs<br/><b>RFQ</b></div>   |
|  <div><b>STM32F072C8U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: 63762 pcs<br/><b>RFQ</b></div> |  <div><b>STM32F071VBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 39724 pcs<br/><b>RFQ</b></div>             |
|  <div><b>STM32F071VBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 26784 pcs<br/><b>RFQ</b></div>   |  <div><b>STM32F072CBT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 44424 pcs<br/><b>RFQ</b></div>  |
|  <div><b>STM32F072CBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 43773 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32F072CBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 29306 pcs<br/><b>RFQ</b></div>  |
|  <div><b>STM32F072B-DISCO</b><br/>Manufacturers: STMicroelectronics<br/>Description: KIT DISCOVERY FOR STM32F072B<br/>In stock: 8966 pcs<br/><b>RFQ</b></div>     |  <div><b>STM32F072C8U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: 27233 pcs<br/><b>RFQ</b></div> |
|  <div><b>STM32F071VBH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100UBGA<br/>In stock: 54609 pcs<br/><b>RFQ</b></div>   |  <div><b>STM32F072C8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48LQFP<br/>In stock: 24256 pcs<br/><b>RFQ</b></div> |