



STMicroelectronics



STM32F072R8T6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F072R8T6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 64KB FLASH 64LQFP                                                                               |
|                     |  1.STM32F072R8T6.pdf        |
|                     |  2.STM32F072R8T6.pdf        |
|                     |  3.STM32F072R8T6.pdf        |
|                     |  4.STM32F072R8T6.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 29155 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

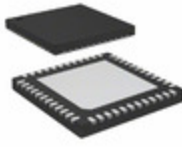
Specifications of STM32F072R8T6

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F072R8T6                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 64LQFP                                                                                                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 29155 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.STM32F072R8T6.pdf<br> 2.STM32F072R8T6.pdf<br> 3.STM32F072R8T6.pdf<br> 4.STM32F072R8T6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 64-LQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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                   | 64-LQFP                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| OTHER NAMES                      | 497-17361<br>STM32F072R8T6-ND                                                                                                                                                                                                                                                                                                                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 51                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 64-LQFP (10x10)                                                                                                                                                                                                                                                                                                                                             |
| DATA CONVERTERS                  | A/D 16x12b, 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

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
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|  <div><b>STM32F072CBY7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 49WLCSP<br/>In stock: 51437 pcs</div> <div>RFQ</div> |  <div><b>STM32F072CBU6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48QFPN<br/>In stock: 56571 pcs</div> <div>RFQ</div>  |
|  <div><b>STM32F072RBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 20776 pcs</div> <div>RFQ</div>    |  <div><b>STM32F072CBU7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48UFQFP<br/>In stock: 51346 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F072RBT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 25263 pcs</div> <div>RFQ</div>    |  <div><b>STM32F072RBH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>In stock: 49750 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F072CBY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 49WLCSP<br/>In stock: 55120 pcs</div> <div>RFQ</div> |  <div><b>STM32F072RBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 37222 pcs</div> <div>RFQ</div>  |
|  <div><b>STM32F072R8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 47979 pcs</div> <div>RFQ</div>   |  <div><b>STM32F072CBU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48QFPN<br/>In stock: 31182 pcs</div> <div>RFQ</div>    |
|  <div><b>STM32F072RBH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>In stock: 47607 pcs</div> <div>RFQ</div>   |  <div><b>STM32F072CBU7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48UFQFP<br/>In stock: 57185 pcs</div> <div>RFQ</div>   |