



STMicroelectronics

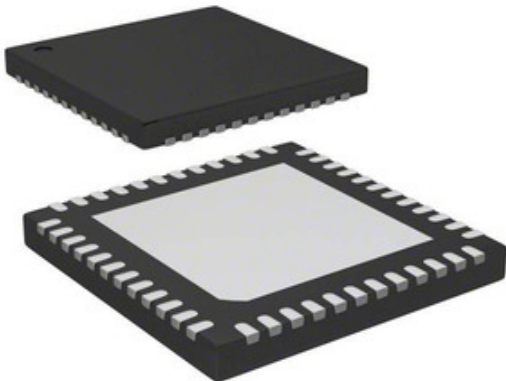


Image may be representation. See specifications for product details.

STM32F072CBU6

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F072CBU6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer/Brand: | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product description | IC MCU 32BIT 128KB FLASH 48QFPN <div> 1.STM32F072CBU6.pdf</div> <div> 2.STM32F072CBU6.pdf</div> <div> 3.STM32F072CBU6.pdf</div> <div> 4.STM32F072CBU6.pdf</div> <div> 5.STM32F072CBU6.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

REQUEST FOR QUOTATION

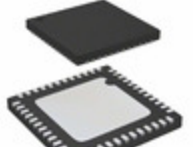
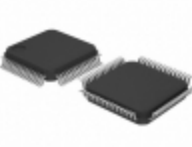
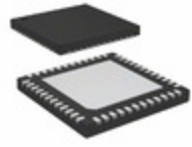
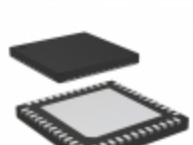
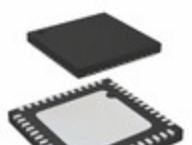
Specifications of STM32F072CBU6

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F072CBU6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC MCU 32BIT 128KB FLASH 48QFPN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       | <div> 1.STM32F072CBU6.pdf</div> <div> 2.STM32F072CBU6.pdf</div> <div> 3.STM32F072CBU6.pdf</div> <div> 4.STM32F072CBU6.pdf</div> <div> 5.STM32F072CBU6.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 48-UFQFPN (7x7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SPEED                            | 48MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SERIES                           | STM32F0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RAM SIZE                         | 16K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PROGRAM MEMORY SIZE              | 128KB (128K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PACKAGE / CASE                   | 48-UFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OTHER NAMES                      | 497-14646                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 STM32F0 Microcontroller IC 32-Bit 48MHz 128KB (128K x 8) FLASH 48-UFQFPN (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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASE PART NUMBER                 | STM32F072                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

Related Tags

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| STMicroelectronics STM32F072CBU6 | STM32F072CBU6 Distributor        | STM32F072CBU6 Supplier               |
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|                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                           |
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| <div><div>life.augmented</div></div> <div><b>STM32F072CBU7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48UFQFP<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>STM32F072CBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: Out stock</div> <div>RFQ</div>                            |
| <div></div> <div><b>STM32F072CBU6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48QFPN<br/>In stock: Out stock</div> <div>RFQ</div>                           | <div></div> <div><b>STM32F072R8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 374 pcs</div> <div>RFQ</div>                                 |
| <div><div>life.augmented</div></div> <div><b>STM32F072CBU7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48UFQFP<br/>In stock: Out stock</div> <div>RFQ</div>   | <div></div> <div><b>STM32F072C8U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>                             |
| <div></div> <div><b>STM32F072CBT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: Out stock</div> <div>RFQ</div>                             | <div><div>life.augmented</div></div> <div><b>STM32F072C8BY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 49WLCSP<br/>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div><b>STM32F072CBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: Out stock</div> <div>RFQ</div>                             | <div><div>life.augmented</div></div> <div><b>STM32F072C8BY7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 49WLCSP<br/>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div><b>STM32F072C8U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>                          | <div></div> <div><b>STM32F072C8U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 48UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>                             |