



STM32F401CCU7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F401CCU7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 256KB FLASH 48FPN                                                                               |
|                     |  1.STM32F401CCU7.pdf        |
|                     |  2.STM32F401CCU7.pdf        |
|                     |  3.STM32F401CCU7.pdf        |
|                     |  4.STM32F401CCU7.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 27277 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

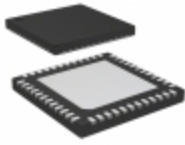
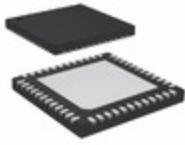
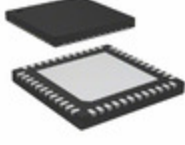
Specifications of STM32F401CCU7

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F401CCU7                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 48FPN                                                                                                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 27277 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.STM32F401CCU7.pdf<br> 2.STM32F401CCU7.pdf<br> 3.STM32F401CCU7.pdf<br> 4.STM32F401CCU7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 48-UFQFPN (7x7)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPEED                            | 84MHz                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SERIES                           | STM32F4                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RAM SIZE                         | 64K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                          |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 48-UFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OTHER NAMES                      | 497-16755                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NUMBER OF I/O                    | 36                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                               |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 84MHz 256KB (256K x 8) FLASH 48-UFQFPN (7x7)                                                                                                                                                                                                                                                                                                                                           |
| DATA CONVERTERS                  | A/D 10x12b                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SDIO, SPI, UART/USART, USB OTG                                                                                                                                                                                                                                                                                                                                                                                        |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>STM32F401CCY6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 31035 pcs</div> <div>RFQ</div>  |  <div>STM32F401CCY6BTR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 36064 pcs</div> <div>RFQ</div> |
|  <div>STM32F401CCY6BTT</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 37314 pcs</div> <div>RFQ</div> |  <div>STM32F401CCY6TT</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 39646 pcs</div> <div>RFQ</div>  |
|  <div>STM32F401CBU7</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48QFPN<br/>In stock: 17181 pcs</div> <div>RFQ</div>     |  <div>STM32F401CBU6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48UFQFP<br/>In stock: 42097 pcs</div> <div>RFQ</div>  |
|  <div>STM32F401CCY6UTT</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 31021 pcs</div> <div>RFQ</div> |  <div>STM32F401CCU6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48QFPN<br/>In stock: 32950 pcs</div> <div>RFQ</div>   |
|  <div>STM32F401CDISCOX</div> <div>Manufacturers: STMicroelectronics<br/>Description: KIT DISCOVERY STM32F4<br/>In stock: 4674 pcs</div> <div>RFQ</div>             |  <div>STM32F401CBY6TT</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 49WLCSP<br/>In stock: 43746 pcs</div> <div>RFQ</div>  |
|  <div>STM32F401CBY6TR</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 49WLCSP<br/>In stock: 43707 pcs</div> <div>RFQ</div>  |  <div>STM32F401CCU6</div> <div>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48QFPN<br/>In stock: 14560 pcs</div> <div>RFQ</div>     |