



STMicroelectronics



STM32F401CCY6TT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F401CCY6TT                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 256KB FLASH 49WLCSP                                                                             |
|                     | <a href="#">1.STM32F401CCY6TT.pdf</a>                                                                        |
|                     | <a href="#">2.STM32F401CCY6TT.pdf</a>                                                                        |
|                     | <a href="#">3.STM32F401CCY6TT.pdf</a>                                                                        |
|                     | <a href="#">4.STM32F401CCY6TT.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 39646 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

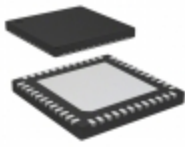
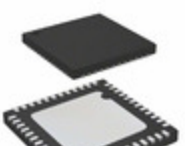
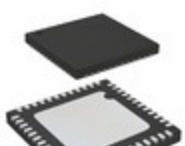
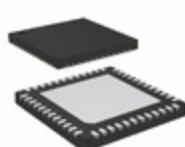
Specifications of STM32F401CCY6TT

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F401CCY6TT                                                                                                                                                  |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                               |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 49WLCSP                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                       |
| QUANTITY AVAILABLE               | 39646 pcs                                                                                                                                                        |
| DATA SHEET                       | <a href="#">1.STM32F401CCY6TT.pdf</a><br><a href="#">2.STM32F401CCY6TT.pdf</a><br><a href="#">3.STM32F401CCY6TT.pdf</a><br><a href="#">4.STM32F401CCY6TT.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 49-WLCSP                                                                                                                                                         |
| 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, I <sup>2</sup> S, POR, PWM, WDT                                                                                                     |
| PACKAGING                        | Tray                                                                                                                                                             |
| PACKAGE / CASE                   | 49-UFBGA, WLCSP                                                                                                                                                  |
| OTHER NAMES                      | 497-16756                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°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 49-WLCSP                                                                          |
| DATA CONVERTERS                  | A/D 10x12b                                                                                                                                                       |
| CORE SIZE                        | 32-Bit                                                                                                                                                           |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                  |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, LINbus, SDIO, SPI, UART/USART, USB OTG                                                                                                   |

Related Tags

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Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F401CCU7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48FPN<br/>In stock: 27277 pcs<br/><b>RFQ</b></div>      |  <div><b>STM32F401CCY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 31035 pcs<br/><b>RFQ</b></div>  |
|  <div><b>STM32F401CDU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 48QFPN<br/>In stock: 32796 pcs<br/><b>RFQ</b></div>     |  <div><b>STM32F401CEU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 48QFPN<br/>In stock: 13447 pcs<br/><b>RFQ</b></div>     |
|  <div><b>STM32F401CCY6UTT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 31021 pcs<br/><b>RFQ</b></div> |  <div><b>STM32F401CCY6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 36064 pcs<br/><b>RFQ</b></div> |
|  <div><b>STM32F401CCY6BTT</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 49WLCSP<br/>In stock: 37314 pcs<br/><b>RFQ</b></div> |  <div><b>STM32F401CDY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 49WLCSP<br/>In stock: 29036 pcs<br/><b>RFQ</b></div>  |
|  <div><b>STM32F401CCU6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48QFPN<br/>In stock: 32950 pcs<br/><b>RFQ</b></div>   |  <div><b>STM32F401CDISCOX</b><br/>Manufacturers: STMicroelectronics<br/>Description: KIT DISCOVERY STM32F4<br/>In stock: 4674 pcs<br/><b>RFQ</b></div>             |
|  <div><b>STM32F401CDU6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 48UFQFP<br/>In stock: 31570 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32F401CCU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 48QFPN<br/>In stock: 14560 pcs<br/><b>RFQ</b></div>     |