



STM32F401VDH6

|                     |                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F401VDH6                                                                                                     |
| Manufacturer/Brand: | STMicroelectronics                                                                                                |
| Product description | IC MCU 32BIT 384KB FLASH 100UBGA                                                                                  |
| Datasheets:         | <a href="#">1.STM32F401VDH6.pdf</a><br><a href="#">2.STM32F401VDH6.pdf</a><br><a href="#">3.STM32F401VDH6.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant      |
| Ship From           | Hong Kong                                                                                                         |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                             |

REQUEST FOR QUOTATION

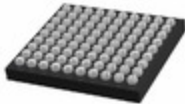
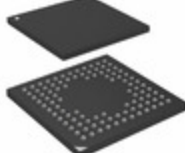
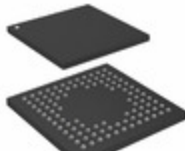
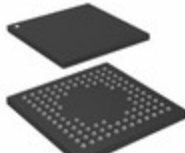
Specifications of STM32F401VDH6

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F401VDH6                                                                                                     |
| MANUFACTURER                     | STMicroelectronics                                                                                                |
| DESCRIPTION                      | IC MCU 32BIT 384KB FLASH 100UBGA                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                        |
| DATA SHEET                       | <a href="#">1.STM32F401VDH6.pdf</a><br><a href="#">2.STM32F401VDH6.pdf</a><br><a href="#">3.STM32F401VDH6.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 100-UFBGA (7x7)                                                                                                   |
| SPEED                            | 84MHz                                                                                                             |
| SERIES                           | STM32F4                                                                                                           |
| RAM SIZE                         | 96K x 8                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                             |
| PROGRAM MEMORY SIZE              | 384KB (384K x 8)                                                                                                  |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                   |
| PACKAGING                        | Tray                                                                                                              |
| PACKAGE / CASE                   | 100-UFBGA                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                 |
| NUMBER OF I/O                    | 81                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                     |
| MANUFACTURER STANDARD LEAD TIME  | 14 Weeks                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                        |
| EEPROM SIZE                      | -                                                                                                                 |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 84MHz 384KB (384K x 8) FLASH 100-UFBGA (7x7)                    |
| DATA CONVERTERS                  | A/D 16x12b                                                                                                        |
| 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><b>STM32F405OGY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 90WLCSP<br/>In stock: Out stock<br/>RFQ</div>    |  <div><b>STM32F401VCT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>STM32F401VCH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: Out stock<br/>RFQ</div>     |  <div><b>STM32F401VDT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: 540 pcs<br/>RFQ</div>     |
|  <div><b>STM32F401VCH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100UBGA<br/>In stock: Out stock<br/>RFQ</div>    |  <div><b>STM32F401VBT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>STM32F405OEY6BTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 90WLCSP<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>STM32F405OEY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 90WLCSP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>STM32F401VBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 525 pcs<br/>RFQ</div>      |  <div><b>STM32F401VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/>RFQ</div>   |
|  <div><b>STM32F401VEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100UBGA<br/>In stock: Out stock<br/>RFQ</div>    |  <div><b>STM32F401VET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 885 pcs<br/>RFQ</div>     |