



STM32F411VEH6U

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F411VEH6U                                                                                               |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLASH 100UBGA                                                                             |
| Datasheets:         | <a href="#">1.STM32F411VEH6U.pdf</a><br><a href="#">2.STM32F411VEH6U.pdf</a>                                 |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

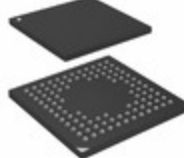
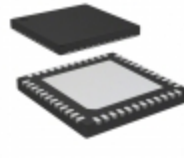
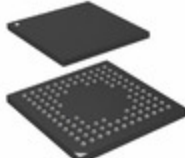
Specifications of STM32F411VEH6U

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F411VEH6U                                                                                  |
| MANUFACTURER                     | STMicroelectronics                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100UBGA                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| DATA SHEET                       | <a href="#">PDF 1.STM32F411VEH6U.pdf</a><br><a href="#">PDF 2.STM32F411VEH6U.pdf</a>            |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 100-UFBGA (7x7)                                                                                 |
| SPEED                            | 100MHz                                                                                          |
| SERIES                           | STM32F4                                                                                         |
| RAM SIZE                         | 128K x 8                                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                                           |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, 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  | 30 Weeks                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| EEPROM SIZE                      | -                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 100-UFBGA (7x7) |
| DATA CONVERTERS                  | A/D 16x12b                                                                                      |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                 |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB OTG                           |

Related Tags

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Related Products

|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>STM32F411RET7<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: Out stock</div> <div>RFQ</div>    |  <div>STM32F412CGU6TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 48UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |
|  <div>STM32F412G-DISCO<br/>Manufacturers: STMicroelectronics<br/>Description: DISCOVERY KIT WITH STM32F412ZG M<br/>In stock: 116 pcs</div> <div>RFQ</div> |  <div>STM32F411VCT6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 443 pcs</div> <div>RFQ</div>    |
|  <div>STM32F411VCT6TR<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock</div> <div>RFQ</div> |  <div>STM32F411VEH6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100UBGA<br/>In stock: 517 pcs</div> <div>RFQ</div>    |
|  <div>STM32F411VET6U<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div>STM32F411VEH6TR<br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 7X7X0.60 100L<br/>In stock: Out stock</div> <div>RFQ</div>             |
|  <div>STM32F411VET6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div>STM32F412CGU6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 48UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>   |
|  <div>STM32F411VCH6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: Out stock</div> <div>RFQ</div>    |  <div>STM32F412CEU6<br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 48UFQFN<br/>In stock: Out stock</div> <div>RFQ</div>  |