



STM32F301K8U6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F301K8U6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 64KB FLASH 32UFQFPN                                                                             |
|                     |  1.STM32F301K8U6.pdf        |
|                     |  2.STM32F301K8U6.pdf        |
|                     |  3.STM32F301K8U6.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 35006 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

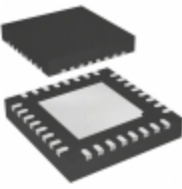
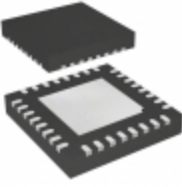
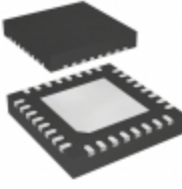
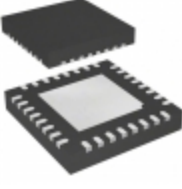
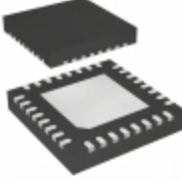
Specifications of STM32F301K8U6

|                                  |                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F301K8U6                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 32UFQFPN                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 35006 pcs                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       |  1.STM32F301K8U6.pdf<br> 2.STM32F301K8U6.pdf<br> 3.STM32F301K8U6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 32-UFQFPN (5x5)                                                                                                                                                                                                                                                                                                               |
| SPEED                            | 72MHz                                                                                                                                                                                                                                                                                                                         |
| SERIES                           | STM32F3                                                                                                                                                                                                                                                                                                                       |
| RAM SIZE                         | 16K x 8                                                                                                                                                                                                                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                                                                                                                                                                                                                                                |
| PERIPHERALS                      | DMA, I <sup>2</sup> S, POR, PWM, WDT                                                                                                                                                                                                                                                                                          |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 32-UFQFN Exposed Pad                                                                                                                                                                                                                                                                                                          |
| OTHER NAMES                      | 497-17411<br>STM32F301K8U6-ND                                                                                                                                                                                                                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                             |
| NUMBER OF I/O                    | 24                                                                                                                                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F3 Microcontroller IC 32-Bit 72MHz 64KB (64K x 8) FLASH 32-UFQFPN (5x5)                                                                                                                                                                                                                                  |
| DATA CONVERTERS                  | A/D 11x12b, D/A 1x12b                                                                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                               |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                               |

Related Tags

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| STMicroelectronics STM32F301K8U6 | STM32F301K8U6 Distributor        | STM32F301K8U6 Supplier               |
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Related Products

|                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                             |
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|  <div>life.augmented</div> <div>STM32F301C8Y6TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 64KB FLASH 49WLCSP</div> <div>In stock: 50826 pcs</div> <div>RFQ</div>  |  <div>life.augmented</div> <div>STM32F301K8U7TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 64KB FLASH 32UFQFN</div> <div>In stock: 50520 pcs</div> <div>RFQ</div> |
|  <div>life.augmented</div> <div>STM32F301K4U6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: UFQFPN 5X5X0.55 32L</div> <div>In stock: 81923 pcs</div> <div>RFQ</div>                |  <div>STM32F301K6U7TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: UFQFPN 5X5X0.55 32L</div> <div>In stock: 60127 pcs</div> <div>RFQ</div>                                       |
|  <div>life.augmented</div> <div>STM32F301K6U6TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN</div> <div>In stock: 69388 pcs</div> <div>RFQ</div> |  <div>STM32F301K8U7</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN</div> <div>In stock: 60146 pcs</div> <div>RFQ</div>                            |
|  <div>life.augmented</div> <div>STM32F301R6T6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 32KB FLASH 64LQFP</div> <div>In stock: 29682 pcs</div> <div>RFQ</div>     |  <div>STM32F301K8U6TR</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 64KB FLASH 32UFQFN</div> <div>In stock: 79453 pcs</div> <div>RFQ</div>                           |
|  <div>life.augmented</div> <div>STM32F302C4T6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: LQFP 48 7X7X1.4 1</div> <div>In stock: 45948 pcs</div> <div>RFQ</div>                  |  <div>STM32F301K6U7</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN</div> <div>In stock: 79525 pcs</div> <div>RFQ</div>                            |
|  <div>life.augmented</div> <div>STM32F301R8T6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 64KB FLASH 64LQFP</div> <div>In stock: 22209 pcs</div> <div>RFQ</div>     |  <div>STM32F301K6U6</div> <div>Manufacturers: STMicroelectronics</div> <div>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN</div> <div>In stock: 42868 pcs</div> <div>RFQ</div>                            |