



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F101VFT6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F101VFT6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 768KB FLASH 100LQFP                                                                             |
| Datasheets:         | <a href="#">PDF STM32F101VFT6.pdf</a>                                                                        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F101VFT6

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F101VFT6                                                                                   |
| MANUFACTURER                     | STMicroelectronics                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 768KB FLASH 100LQFP                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| DATA SHEET                       | <a href="#">PDF STM32F101VFT6.pdf</a>                                                           |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                |
| SPEED                            | 36MHz                                                                                           |
| SERIES                           | STM32F1                                                                                         |
| RAM SIZE                         | 80K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                           |
| PROGRAM MEMORY SIZE              | 768KB (768K x 8)                                                                                |
| PERIPHERALS                      | DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT                                                       |
| PACKAGING                        | Tray                                                                                            |
| PACKAGE / CASE                   | 100-LQFP                                                                                        |
| OTHER NAMES                      | 497-11113                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                               |
| NUMBER OF I/O                    | 80                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                   |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| EEPROM SIZE                      | -                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 36MHz 768KB (768K x 8) FLASH 100-LQFP (14x14) |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                           |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                 |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                              |
| BASE PART NUMBER                 | STM32F101                                                                                       |

Related Tags

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|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F101VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>STM32F101VGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>     |
|  <div><b>STM32F101VET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F101ZDT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>STM32F101ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 17 pcs<br/><div>RFQ</div></div>      |  <div><b>STM32F101ZFT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>STM32F101ZCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 92 pcs<br/><div>RFQ</div></div>      |  <div><b>STM32F101VDT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F101VDT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 100LQFP<br/>In stock: 678 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F101VFT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F101VET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 211 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F101VCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |