



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F437VGT7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F437VGT7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 1MB FLASH 100LQFP                                                                               |
|                     | <a href="#">1.STM32F437VGT7.pdf</a>                                                                          |
|                     | <a href="#">2.STM32F437VGT7.pdf</a>                                                                          |
|                     | <a href="#">3.STM32F437VGT7.pdf</a>                                                                          |
|                     | <a href="#">4.STM32F437VGT7.pdf</a>                                                                          |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

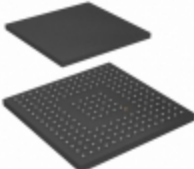
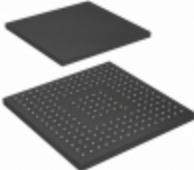
Specifications of STM32F437VGT7

|                                  |                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F437VGT7                                                                                                                                            |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 100LQFP                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| DATA SHEET                       | <a href="#">1.STM32F437VGT7.pdf</a><br><a href="#">2.STM32F437VGT7.pdf</a><br><a href="#">3.STM32F437VGT7.pdf</a><br><a href="#">4.STM32F437VGT7.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                                                         |
| SPEED                            | 180MHz                                                                                                                                                   |
| SERIES                           | STM32F4                                                                                                                                                  |
| RAM SIZE                         | 256K x 8                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                                                                             |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                                                     |
| PACKAGING                        | Tray                                                                                                                                                     |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                                                 |
| OTHER NAMES                      | 497-16771                                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                       |
| NUMBER OF I/O                    | 82                                                                                                                                                       |
| 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 180MHz 1MB (1M x 8) FLASH 100-LQFP (14x14)                                                             |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                                                                    |
| CORE SIZE                        | 32-Bit                                                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                          |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG                                                                                   |
| BASE PART NUMBER                 | STM32F437                                                                                                                                                |

Related Tags

|                                  |                                  |                                      |
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Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F437VGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F437IIH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176UFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F437VGT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>STM32F437IIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: 370 pcs<br/><div>RFQ</div></div>      |
|  <div><b>STM32F437IIT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F437VIT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>STM32F437VIT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F437IIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176UFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>STM32F437VIT6WTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F437VIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 350 pcs<br/><div>RFQ</div></div>      |
|  <div><b>STM32F437VIT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>STM32F437IGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 60 pcs<br/><div>RFQ</div></div>       |