



STM32F407IGH7

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F407IGH7                                                                                                                                                                                                  |
| Manufacturer/Brand: | STMicroelectronics                                                                                                                                                                                             |
| Product description | IC MCU 32BIT 1MB FLASH 176UFBGA                                                                                                                                                                                |
| Datasheets:         |  1.STM32F407IGH7.pdf<br> 2.STM32F407IGH7.pdf |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                   |
| Stock Condition     | 9277 pcs stock                                                                                                                                                                                                 |
| Ship From           | Hong Kong                                                                                                                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                          |

REQUEST FOR QUOTATION

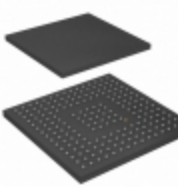
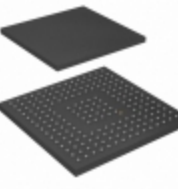
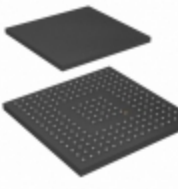
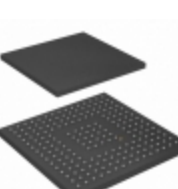
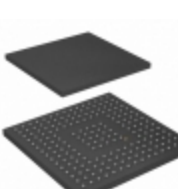
Specifications of STM32F407IGH7

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F407IGH7                                                                                                                                                                                                      |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                 |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 176UFBGA                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 9277 pcs                                                                                                                                                                                                           |
| DATA SHEET                       |  1.STM32F407IGH7.pdf<br> 2.STM32F407IGH7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 176+25UFBGA (10x10)                                                                                                                                                                                                |
| SPEED                            | 168MHz                                                                                                                                                                                                             |
| SERIES                           | STM32F4                                                                                                                                                                                                            |
| RAM SIZE                         | 192K 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                   | 201-UFBGA                                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                 |
| NUMBER OF I/O                    | 140                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| EEPROM SIZE                      | -                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 168MHz 1MB (1M x 8) FLASH 176+25UFBGA (10x10)                                                                                                                    |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                                                                                                                              |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                             |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, DCMI, EBI/EMI, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG                                                                                                                                       |
| BASE PART NUMBER                 | STM32F407                                                                                                                                                                                                          |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F407IGH7 | STM32F407IGH7 Distributor        | STM32F407IGH7 Supplier               |
| STM32F407IGH7 Price              | STM32F407IGH7 Pictures           | STM32F407IGH7 Image                  |
| STM32F407IGH7 PDF Datasheet      | STM32F407IGH7 Download Datasheet | STM32F407IGH7 Datasheet              |
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| STM32F407IGH7                    |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |
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|  <div><b>STM32F407IET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176LQFP<br/>In stock: 8082 pcs<br/>RFQ</div>    |  <div><b>STM32F407IGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: 6515 pcs<br/>RFQ</div>    |
|  <div><b>STM32F407IEH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 10X10X0.6 176+<br/>In stock: 11512 pcs<br/>RFQ</div>             |  <div><b>STM32F407IGH6J</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: 8900 pcs<br/>RFQ</div>   |
|  <div><b>STM32F407VGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 7432 pcs<br/>RFQ</div>      |  <div><b>STM32F407VGT6J</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 8207 pcs<br/>RFQ</div>    |
|  <div><b>STM32F407IGT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 7530 pcs<br/>RFQ</div>      |  <div><b>STM32F407IGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 6030 pcs<br/>RFQ</div>     |
|  <div><b>STM32F407VET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 15406 pcs<br/>RFQ</div> |  <div><b>STM32F407VET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 7581 pcs<br/>RFQ</div>   |
|  <div><b>STM32F407IEH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176BGA<br/>In stock: 12056 pcs<br/>RFQ</div>    |  <div><b>STM32F407IGH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: 11746 pcs<br/>RFQ</div> |