



STMicroelectronics



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STM32F427IIH7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F427IIH7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 2MB FLASH 176UFBGA                                                                              |
| Datasheets:         |  STM32F427IIH7.pdf          |
| 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.

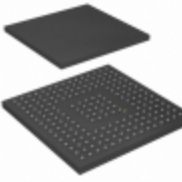
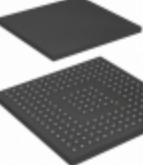
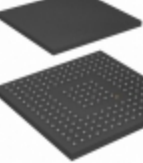
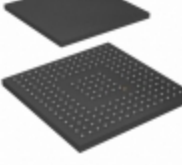
Specifications of STM32F427IIH7

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F427IIH7                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 176UFBGA                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| DATA SHEET                       |  STM32F427IIH7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 176-UFBGA (10x10)                                                                                     |
| SPEED                            | 180MHz                                                                                                |
| SERIES                           | STM32F4                                                                                               |
| RAM SIZE                         | 256K x 8                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 2MB (2M x 8)                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                          |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 176-UFBGA                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                    |
| NUMBER OF I/O                    | 140                                                                                                   |
| 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 2MB (2M x 8) FLASH 176-UFBGA (10x10)         |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                       |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB OTG                   |
| BASE PART NUMBER                 | STM32F427                                                                                             |

Related Tags

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|  <div><b>STM32F427VGT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F427IIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>STM32F427IGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: 613 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F427IIT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>STM32F427VGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F427IGH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F427IIH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176UFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F427IGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 400 pcs<br/><div>RFQ</div></div>      |
|  <div><b>STM32F427VGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: Out stock<br/><div>RFQ</div></div>              |  <div><b>STM32F427IGH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 10X10X0.6 176+<br/>In stock: Out stock<br/><div>RFQ</div></div>              |
|  <div><b>STM32F427IIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176UFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>STM32F427VIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |