



STM32F207ICH6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F207ICH6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 256KB FLASH 176BGA                                                                              |
| Datasheets:         |  1.STM32F207ICH6.pdf        |
|                     |  2.STM32F207ICH6.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 13315 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

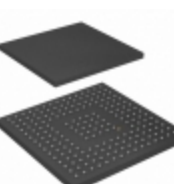
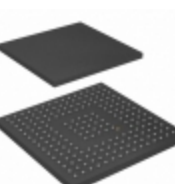
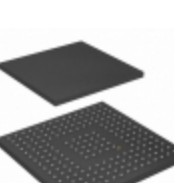
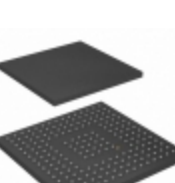
Specifications of STM32F207ICH6

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F207ICH6                                                                                           |
| MANUFACTURER                     | STMicroelectronics                                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 176BGA                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 13315 pcs                                                                                               |
| DATA SHEET                       |  1.STM32F207ICH6.pdf |
|                                  |  2.STM32F207ICH6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 176+25UFBGA (10x10)                                                                                     |
| SPEED                            | 120MHz                                                                                                  |
| SERIES                           | STM32F2                                                                                                 |
| RAM SIZE                         | 132K x 8                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT                                       |
| PACKAGING                        | Tray                                                                                                    |
| PACKAGE / CASE                   | 201-UFBGA                                                                                               |
| OTHER NAMES                      | 497-11167                                                                                               |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°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®-M3 STM32F2 Microcontroller IC 32-Bit 120MHz 256KB (256K x 8) FLASH 176+25UFBGA (10x10)     |
| DATA CONVERTERS                  | A/D 24x12b; D/A 2x12b                                                                                   |
| CORE SIZE                        | 32-Bit                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                         |
| CONNECTIVITY                     | CANbus, Ethernet, I <sup>2</sup> C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG                 |
| BASE PART NUMBER                 | STM32F207                                                                                               |

Related Tags

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| STMicroelectronics STM32F207ICH6 | STM32F207ICH6 Distributor        | STM32F207ICH6 Supplier               |
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Related Products

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|  <div><b>STM32F205ZGT6V</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 8698 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F205ZGT6J</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 8852 pcs<br/><div>RFQ</div></div>     |
|  <div><b>STM32F207IEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176UBGA<br/>In stock: 14494 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32F207IFH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 176UBGA<br/>In stock: 12885 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32F207IET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176LQFP<br/>In stock: 9465 pcs<br/><div>RFQ</div></div>    |  <div><b>STM32F205ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 7572 pcs<br/><div>RFQ</div></div>      |
|  <div><b>STM32F207IFH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 176UBGA<br/>In stock: 10671 pcs<br/><div>RFQ</div></div> |  <div><b>STM32F207IEH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 176UBGA<br/>In stock: 11627 pcs<br/><div>RFQ</div></div> |
|  <div><b>STM32F205ZGT6W</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 8783 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F205ZGT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: 10132 pcs<br/><div>RFQ</div></div>               |
|  <div><b>STM32F205ZGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 9919 pcs<br/><div>RFQ</div></div>    |  <div><b>STM32F207ICT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 176LQFP<br/>In stock: 7450 pcs<br/><div>RFQ</div></div>    |