



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F207IGH6J

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F207IGH6J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Manufacturer/Brand: | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product description | IC MCU 32BIT 1MB FLASH 176UFBGA <div> 1.STM32F207IGH6J.pdf<div> 2.STM32F207IGH6J.pdf<div> 3.STM32F207IGH6J.pdf<div> 4.STM32F207IGH6J.pdf</div></div></div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                         |
| Stock Condition     | 10067 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

REQUEST FOR QUOTATION

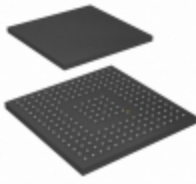
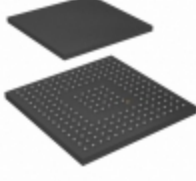
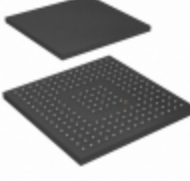
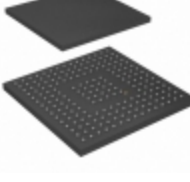
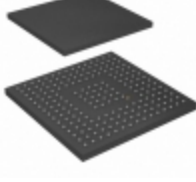
Specifications of STM32F207IGH6J

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F207IGH6J                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 176UFBGA                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 10067 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DATA SHEET                       | <div> 1.STM32F207IGH6J.pdf<div> 2.STM32F207IGH6J.pdf<div> 3.STM32F207IGH6J.pdf<div> 4.STM32F207IGH6J.pdf</div></div></div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 64-WLCSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SPEED                            | 120MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SERIES                           | STM32F2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RAM SIZE                         | 132K 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                   | 64-UFBGA, WLCSP                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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 1MB (1M x 8) FLASH 64-WLCSP                                                                                                                                                                                                                                                                                                                                                                                         |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, IrDA, LINbus, Memory Card, SPI, UART/USART, USB OTG                                                                                                                                                                                                                                                                                                                                                                                                   |

Related Tags

|                                   |                                   |                                       |
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Related Products

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| <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></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></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></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></div> <div><b>STM32F207VCDEF</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: 19292 pcs<br/><div>RFQ</div></div>                | <div></div> <div><b>STM32F207IGH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: 10727 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>STM32F207VCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 8774 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>STM32F207IGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 7436 pcs<br/><div>RFQ</div></div>     |
| <div></div> <div><b>STM32F207IGT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 7327 pcs<br/><div>RFQ</div></div>      | <div></div> <div><b>STM32F207IGH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: 13063 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>STM32F207IGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176UFBGA<br/>In stock: 5988 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>STM32F207IFT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 176LQFP<br/>In stock: 11765 pcs<br/><div>RFQ</div></div>  |