



### STM32F413ZGJ6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F413ZGJ6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 1MB FLASH 144UFBGA                                                                              |
| Datasheets:         |  STM32F413ZGJ6.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 7650 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

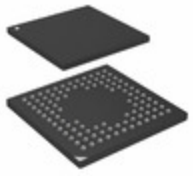
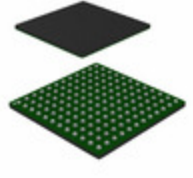
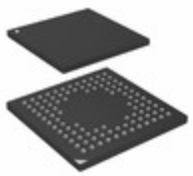
#### Specifications of STM32F413ZGJ6

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F413ZGJ6                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 144UFBGA                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 7650 pcs                                                                                              |
| DATA SHEET                       |  STM32F413ZGJ6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                         |
| SPEED                            | 100MHz                                                                                                |
| SERIES                           | STM32F4                                                                                               |
| RAM SIZE                         | 320K 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                   | 144-UFBGA                                                                                             |
| OTHER NAMES                      | 497-17015                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                     |
| NUMBER OF I/O                    | 114                                                                                                   |
| 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 100MHz 1MB (1M x 8) FLASH                           |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                       |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SDIO, QSPI, SAI, SPI, UART/USART, USB OTG                     |

#### Related Tags

|                                  |                                  |                                      |
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#### Related Products

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|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>life.augmented</div> | <b>STM32F413VHT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1.5MB FLASH 100LQFP<br>In stock: 7527 pcs<br><div>RFQ</div> |  <div>life.augmented</div> | <b>STM32F413RHT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1.5MB FLASH 64LQFP<br>In stock: 8632 pcs<br><div>RFQ</div>   |
|                            | <b>STM32F413VHH6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1.5MB FLASH 100BGA<br>In stock: 8351 pcs<br><div>RFQ</div>  |  <div>life.augmented</div> | <b>STM32F413RGT6TR</b><br>Manufacturers: STMicroelectronics<br>Description: LQFP 64 10X10X1.4 1<br>In stock: 18423 pcs<br><div>RFQ</div>            |
|  <div>life.augmented</div> | <b>STM32F413ZHT3</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1.5MB FLASH 144LQFP<br>In stock: 9450 pcs<br><div>RFQ</div> |  <div>life.augmented</div> | <b>STM32F415RGT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1MB FLASH 64LQFP<br>In stock: 8115 pcs<br><div>RFQ</div>     |
|  <div>life.augmented</div> | <b>STM32F413ZGT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 12920 pcs<br><div>RFQ</div>  |                            | <b>STM32F413ZHT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1.5MB FLASH 144LQFP<br>In stock: 9128 pcs<br><div>RFQ</div>  |
|                            | <b>STM32F413ZHJ6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1.5MB FLASH 144BGA<br>In stock: 7431 pcs<br><div>RFQ</div>  |  <div>life.augmented</div> | <b>STM32F413VGT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br>In stock: 8865 pcs<br><div>RFQ</div>    |
|                            | <b>STM32F413VGH6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1MB FLASH 100UFBGA<br>In stock: 8460 pcs<br><div>RFQ</div>  |                            | <b>STM32F415OGY6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 1MB FLASH 90WLCSP<br>In stock: 18207 pcs<br><div>RFQ</div> |