



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F423VHH6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F423VHH6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 1.5MB FLASH 100BGA                                                                              |
|                     |  1.STM32F423VHH6.pdf        |
|                     |  2.STM32F423VHH6.pdf        |
|                     |  3.STM32F423VHH6.pdf        |
|                     |  4.STM32F423VHH6.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 12985 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F423VHH6

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F423VHH6                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 1.5MB FLASH 100BGA                                                                                                                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 12985 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.STM32F423VHH6.pdf<br> 2.STM32F423VHH6.pdf<br> 3.STM32F423VHH6.pdf<br> 4.STM32F423VHH6.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              | 1.5MB (1.5M x 8)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NUMBER OF I/O                    | 81                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 1.5MB (1.5M 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/SD, QSPI, SAI, SPI, UART/USART, USB OTG                                                                                                                                                                                                                                                                                                                                                          |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F423VHH6 | STM32F423VHH6 Distributor        | STM32F423VHH6 Supplier               |
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Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |
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|  <div><b>STM32F423MHY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 81WLSCP<br/>In stock: 18964 pcs</div> <div>RFQ</div> |  <div><b>STM32F417ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 7439 pcs</div> <div>RFQ</div>    |
|  <div><b>STM32F423ZHJ6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 144UFBG<br/>In stock: 11498 pcs</div> <div>RFQ</div>   |  <div><b>STM32F423ZHT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 144LQFP<br/>In stock: 12638 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F423CHU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 48UFQFN<br/>In stock: 12623 pcs</div> <div>RFQ</div>   |  <div><b>STM32F423ZHT3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 144LQFP<br/>In stock: 10781 pcs</div> <div>RFQ</div> |
|  <div><b>STM32F423VHT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 100LQFP<br/>In stock: 12610 pcs</div> <div>RFQ</div>   |  <div><b>STM32F427AIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 169UFBGA<br/>In stock: 7893 pcs</div> <div>RFQ</div>   |
|  <div><b>STM32F417VGT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: 9171 pcs</div> <div>RFQ</div>      |  <div><b>STM32F417ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 7776 pcs</div> <div>RFQ</div>  |
|  <div><b>STM32F427AGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 169UFBGA<br/>In stock: 6275 pcs</div> <div>RFQ</div>     |  <div><b>STM32F423RHT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 64LQFP<br/>In stock: 13543 pcs</div> <div>RFQ</div>  |