



STM32F103ZEH7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F103ZEH7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLASH 144BGA                                                                              |
| Datasheets:         |  STM32F103ZEH7.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6469 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

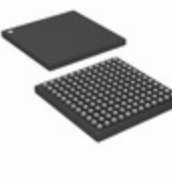
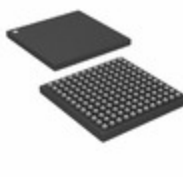
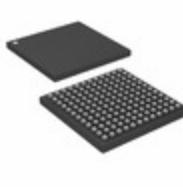
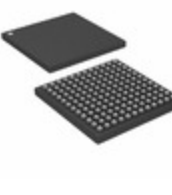
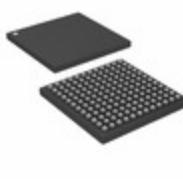
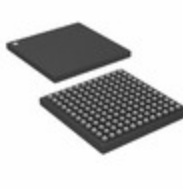
Specifications of STM32F103ZEH7

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F103ZEH7                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144BGA                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| QUANTITY AVAILABLE               | 6469 pcs                                                                                              |
| DATA SHEET                       |  STM32F103ZEH7.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 144-LFBGA (10x10)                                                                                     |
| SPEED                            | 72MHz                                                                                                 |
| SERIES                           | STM32F1                                                                                               |
| RAM SIZE                         | 64K x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                      |
| PERIPHERALS                      | DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT                                          |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 144-LFBGA                                                                                             |
| OTHER NAMES                      | 497-11545<br>STM32F103ZEH7-ND                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                    |
| NUMBER OF I/O                    | 112                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | -                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 STM32F1 Microcontroller IC 32-Bit 72MHz 512KB (512K x 8) FLASH 144-LFBGA (10x10)      |
| DATA CONVERTERS                  | A/D 21x12b; D/A 2x12b                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                       |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB                                                       |
| BASE PART NUMBER                 | STM32F103                                                                                             |

Related Tags

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Related Products

|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F103ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 8862 pcs<br/>RFQ</div>  |  <div><b>STM32F103ZET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 8850 pcs<br/>RFQ</div>  |
|  <div><b>STM32F103ZCT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: 17290 pcs<br/>RFQ</div>           |  <div><b>STM32F103ZDH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 144BGA<br/>In stock: 19476 pcs<br/>RFQ</div>  |
|  <div><b>STM32F103ZEH7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LFBGA 10X10X1.7 144<br/>In stock: 14505 pcs<br/>RFQ</div>            |  <div><b>STM32F103ZEH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLSh 144LFBGA<br/>In stock: 12135 pcs<br/>RFQ</div> |
|  <div><b>STM32F103ZDT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 144LQFP<br/>In stock: 12087 pcs<br/>RFQ</div> |  <div><b>STM32F103ZEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 7957 pcs<br/>RFQ</div>     |
|  <div><b>STM32F103ZFH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 144BGA<br/>In stock: 15134 pcs<br/>RFQ</div>  |  <div><b>STM32F103ZFH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 144BGA<br/>In stock: 16720 pcs<br/>RFQ</div>  |
|  <div><b>STM32F103ZET7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 10116 pcs<br/>RFQ</div> |  <div><b>STM32F103ZDH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 144BGA<br/>In stock: 10617 pcs<br/>RFQ</div>    |