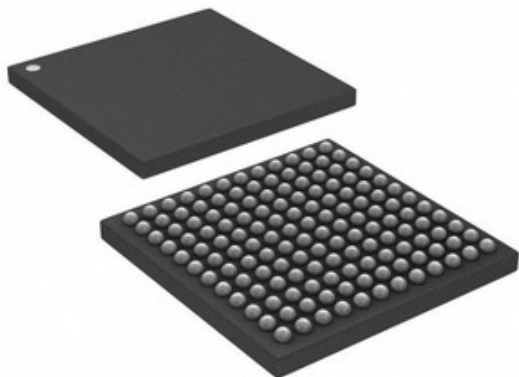




STMicroelectronics



STM32F103ZEH6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F103ZEH6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLSH 144LFBGA                                                                             |
| Datasheets:         | <a href="#">PDF STM32F103ZEH6TR.pdf</a>                                                                      |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

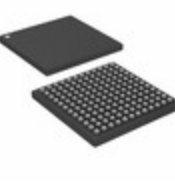
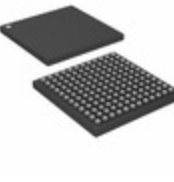
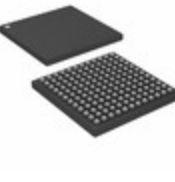
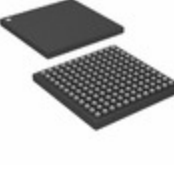
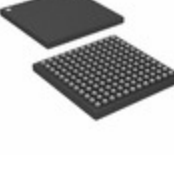
Specifications of STM32F103ZEH6TR

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F103ZEH6TR                                                                |
| MANUFACTURER                     | STMicroelectronics                                                             |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLSH 144LFBGA                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                     |
| DATA SHEET                       | <a href="#">PDF STM32F103ZEH6TR.pdf</a>                                        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                    |
| 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                        | Tape & Reel (TR)                                                               |
| PACKAGE / CASE                   | 144-LFBGA                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                              |
| NUMBER OF I/O                    | 112                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                  |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                       |
| 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 |
| 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

|                                    |                                    |                                        |
|------------------------------------|------------------------------------|----------------------------------------|
| STMicroelectronics STM32F103ZEH6TR | STM32F103ZEH6TR Distributor        | STM32F103ZEH6TR Supplier               |
| STM32F103ZEH6TR Price              | STM32F103ZEH6TR Pictures           | STM32F103ZEH6TR Image                  |
| STM32F103ZEH6TR PDF Datasheet      | STM32F103ZEH6TR Download Datasheet | STM32F103ZEH6TR Datasheet              |
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| STMicroelectronics STM32F103ZEH6TR | STMicroelectronics Supplier        | STMicroelectronics Distributor         |
| STM32F103ZEH6TR                    |                                    |                                        |

Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F103ZCT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F103ZET7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 412 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32F103ZDT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 144LQFP<br/>In stock: 26 pcs<br/><div>RFQ</div></div>    |  <div><b>STM32F103ZCT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock<br/><div>RFQ</div></div>            |
|  <div><b>STM32F103ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F103ZEH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 43 pcs<br/><div>RFQ</div></div>      |
|  <div><b>STM32F103ZFH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 144BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>STM32F103ZEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 963 pcs<br/><div>RFQ</div></div>     |
|  <div><b>STM32F103ZDH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 144BGA<br/>In stock: 508 pcs<br/><div>RFQ</div></div>    |  <div><b>STM32F103ZET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 330 pcs<br/><div>RFQ</div></div>  |
|  <div><b>STM32F103ZEH7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LFBGA 10X10X1.7 144<br/>In stock: Out stock<br/><div>RFQ</div></div>            |  <div><b>STM32F103ZDH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 384KB FLASH 144BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |