



STMicroelectronics



life.augmented

STM32F446ZEJ7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F446ZEJ7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLASH 144FBGA                                                                             |
|                     | <a href="#">1.STM32F446ZEJ7.pdf</a>                                                                          |
|                     | <a href="#">2.STM32F446ZEJ7.pdf</a>                                                                          |
|                     | <a href="#">3.STM32F446ZEJ7.pdf</a>                                                                          |
|                     | <a href="#">4.STM32F446ZEJ7.pdf</a>                                                                          |
| Datasheets:         |                                                                                                              |
| 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.

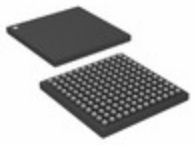
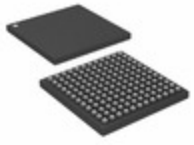
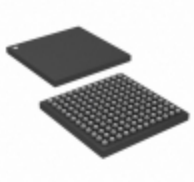
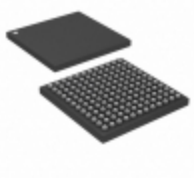
Specifications of STM32F446ZEJ7

|                                  |                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F446ZEJ7                                                                                                                                            |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144FBGA                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| DATA SHEET                       | <a href="#">1.STM32F446ZEJ7.pdf</a><br><a href="#">2.STM32F446ZEJ7.pdf</a><br><a href="#">3.STM32F446ZEJ7.pdf</a><br><a href="#">4.STM32F446ZEJ7.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                                                            |
| SPEED                            | 180MHz                                                                                                                                                   |
| SERIES                           | STM32F4                                                                                                                                                  |
| RAM SIZE                         | 128K x 8                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LVD, POR, PWM, WDT                                                                                                     |
| PACKAGING                        | Tray                                                                                                                                                     |
| PACKAGE / CASE                   | 144-UFBGA                                                                                                                                                |
| OTHER NAMES                      | 497-16777                                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                       |
| NUMBER OF I/O                    | 114                                                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                            |
| MANUFACTURER STANDARD LEAD TIME  | 14 Weeks                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| EEPROM SIZE                      | -                                                                                                                                                        |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH                                                                          |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                                                                    |
| CORE SIZE                        | 32-Bit                                                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                          |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, LINbus, SAI, SD, SPDIF-Rx, SPI, UART/USART, USB, USB OTG                                                                     |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F446ZEJ7 | STM32F446ZEJ7 Distributor        | STM32F446ZEJ7 Supplier               |
| STM32F446ZEJ7 Price              | STM32F446ZEJ7 Pictures           | STM32F446ZEJ7 Image                  |
| STM32F446ZEJ7 PDF Datasheet      | STM32F446ZEJ7 Download Datasheet | STM32F446ZEJ7 Datasheet              |
| STM32F446ZEJ7 Stock              | Buy STM32F446ZEJ7                | Buy STMicroelectronics STM32F446ZEJ7 |
| STMicroelectronics STM32F446ZEJ7 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STMicroelectronics STM32F446ZEJ7 |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F446ZEJ6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>STM32F469AGH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 7X7X0.6 169L P<br/>In stock: Out stock<br/><div>RFQ</div></div>             |
|  <div><b>STM32F469AGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 169BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F446ZEJ7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144UFBG<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F469AEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 169BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>STM32F446ZEH6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 7X7X0.60 144L<br/>In stock: Out stock<br/><div>RFQ</div></div>              |
|  <div><b>STM32F446ZCT6JTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock<br/><div>RFQ</div></div>          |  <div><b>STM32F446ZEH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144UBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>STM32F446ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F446ZEJ6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 614 pcs<br/><div>RFQ</div></div>      |
|  <div><b>STM32F446ZET7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F446ZEJ6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144UFBG<br/>In stock: Out stock<br/><div>RFQ</div></div> |