



STMicroelectronics



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STM32F205ZET6B

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F205ZET6B                                                                                               |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                             |
| Datasheets:         |  STM32F205ZET6B.pdf         |
| 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 STM32F205ZET6B

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F205ZET6B                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| DATA SHEET                       |  STM32F205ZET6B.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                          |
| SPEED                            | 120MHz                                                                                                 |
| SERIES                           | STM32F2                                                                                                |
| RAM SIZE                         | 132K x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                  |
| PROGRAM MEMORY SIZE              | 512KB (512K 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                    | 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®-M3 STM32F2 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH                        |
| DATA CONVERTERS                  | A/D 24x12b, D/A 2x12b                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                        |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, MMC, SPI, UART/USART, USB OTG                                               |

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Related Products

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|  <div><b>STM32F205ZCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 889 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F205ZET7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F205ZET6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>STM32F205ZCT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: 360 pcs<br/><div>RFQ</div></div>     |
|  <div><b>STM32F205ZGT6J</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>STM32F205ZCT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>STM32F205ZET7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 360 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F205VGT7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 100LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>STM32F205ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 359 pcs<br/><div>RFQ</div></div>     |  <div><b>STM32F205ZFT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br/>In stock: 412 pcs<br/><div>RFQ</div></div>     |
|  <div><b>STM32F205ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>     |  <div><b>STM32F205ZCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |