



STMicroelectronics



STM32L476QEI6TR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L476QEI6TR                                                                                              |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 512KB FLASH 132BGA                                                                              |
|                     |  1.STM32L476QEI6TR.pdf      |
|                     |  2.STM32L476QEI6TR.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 17297 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

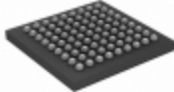
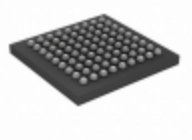
Specifications of STM32L476QEI6TR

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L476QEI6TR                                                                                                                                                                                                        |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 132BGA                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 17297 pcs                                                                                                                                                                                                              |
| DATA SHEET                       |  1.STM32L476QEI6TR.pdf<br> 2.STM32L476QEI6TR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                                                                                                                                         |
| SPEED                            | 80MHz                                                                                                                                                                                                                  |
| SERIES                           | STM32L4                                                                                                                                                                                                                |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, PWM, WDT                                                                                                                                                                             |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 109                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| EEPROM SIZE                      | -                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32L4 Microcontroller IC 32-Bit 80MHz 512KB (512K x 8) FLASH                                                                                                                                         |
| DATA CONVERTERS                  | A/D 19x12b, D/A 2x12b                                                                                                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                        |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG                                                                                                                                 |

Related Tags

|                                    |                                    |                                        |
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| STMicroelectronics STM32L476QEI6TR | STM32L476QEI6TR Distributor        | STM32L476QEI6TR Supplier               |
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Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L476JGY7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 72WLCSP<br/>In stock: 15127 pcs<br/><div>RFQ</div></div>  |  <div><b>STM32L476MGY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: STM32 32-BIT ARM CORTEX MCUS<br/>In stock: 10242 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32L476RCT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 23591 pcs<br/><div>RFQ</div></div> |  <div><b>STM32L476QGI6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 132UFBGA<br/>In stock: 14375 pcs<br/><div>RFQ</div></div> |
|  <div><b>STM32L476QEI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 132BGA<br/>In stock: 19117 pcs<br/><div>RFQ</div></div>   |  <div><b>STM32L476QGI6P</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 7X7X0.6 132L P<br/>In stock: 15796 pcs<br/><div>RFQ</div></div>             |
|  <div><b>STM32L476QGI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 132BGA<br/>In stock: 8683 pcs<br/><div>RFQ</div></div>      |  <div><b>STM32L476RCT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br/>In stock: 15301 pcs<br/><div>RFQ</div></div>   |
|  <div><b>STM32L476MEY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: STM32 32-BIT ARM CORTEX MCUS<br/>In stock: 11661 pcs<br/><div>RFQ</div></div>    |  <div><b>STM32L476QGI3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 132UFBGA<br/>In stock: 8208 pcs<br/><div>RFQ</div></div>    |
|  <div><b>STM32L476JGY6UTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 72WLCSP<br/>In stock: 14696 pcs<br/><div>RFQ</div></div> |  <div><b>STM32L476JGY6VTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 72WLCSP<br/>In stock: 14332 pcs<br/><div>RFQ</div></div> |