



STM32L081KZU6

|                     |                                 |
|---------------------|---------------------------------|
| Part Number:        | STM32L081KZU6                   |
| Manufacturer/Brand: | STMicroelectronics              |
| Product description | IC MCU 32BIT 192KB FLASH 32QFPN |
|                     | 1.STM32L081KZU6.pdf             |
|                     | 2.STM32L081KZU6.pdf             |
|                     | 3.STM32L081KZU6.pdf             |
|                     | 4.STM32L081KZU6.pdf             |
| Datasheets:         |                                 |
| RoHs Status         | Lead free / RoHS Compliant      |
| Stock Condition     | 46910 pcs stock                 |
| Ship From           | Hong Kong                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS           |

REQUEST FOR QUOTATION

Specifications of STM32L081KZU6

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L081KZU6                                                                                   |
| MANUFACTURER                     | STMicroelectronics                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 192KB FLASH 32QFPN                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| QUANTITY AVAILABLE               | 46910 pcs                                                                                       |
| DATA SHEET                       | 1.STM32L081KZU6.pdf<br>2.STM32L081KZU6.pdf<br>3.STM32L081KZU6.pdf<br>4.STM32L081KZU6.pdf        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 32-UFQFPN (5x5)                                                                                 |
| SPEED                            | 32MHz                                                                                           |
| SERIES                           | STM32L0                                                                                         |
| RAM SIZE                         | 20K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                           |
| PROGRAM MEMORY SIZE              | 192KB (192K x 8)                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                 |
| PACKAGING                        | Tray                                                                                            |
| PACKAGE / CASE                   | 32-UFQFN Exposed Pad                                                                            |
| OTHER NAMES                      | 497-16833                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                               |
| NUMBER OF I/O                    | 25                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                      |
| EEPROM SIZE                      | 6K x 8                                                                                          |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ STM32L0 Microcontroller IC 32-Bit 32MHz 192KB (192K x 8) FLASH 32-UFQFPN (5x5) |
| DATA CONVERTERS                  | A/D 10x12b                                                                                      |
| CORE SIZE                        | 32-Bit                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                              |

Related Tags

|                                  |                                  |                                      |
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| STMicroelectronics STM32L081KZU6 | STM32L081KZU6 Distributor        | STM32L081KZU6 Supplier               |
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| STMicroelectronics STM32L081KZU6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STM32L081KZU6                    |                                  |                                      |

Related Products

|                                                                                                                                                      |                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>STM32L073VZT6U</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 192KB FLASH 100LQFP<br>In stock: 23702 pcs<br><b>RFQ</b> | <br><b>STM32L073Z-EVAL</b><br>Manufacturers: STMicroelectronics<br>Description: BOARD EVAL MCU STM32L073VZ<br>In stock: 393 pcs<br><b>RFQ</b>         |
| <br><b>STM32L081CBT6</b><br>Manufacturers: STMicroelectronics<br>Description: LQFP 48 7X7X1.4 1<br>In stock: 50061 pcs<br><b>RFQ</b>                 | <br><b>STM32L082KZU6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 192KB FLASH 32QFPN<br>In stock: 39944 pcs<br><b>RFQ</b>    |
| <br><b>STM32L081CBT6TR</b><br>Manufacturers: STMicroelectronics<br>Description: LQFP 48 7X7X1.4 1<br>In stock: 52464 pcs<br><b>RFQ</b>               | <br><b>STM32L081CZT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 192KB FLASH 48LQFP<br>In stock: 45893 pcs<br><b>RFQ</b>    |
| <br><b>STM32L082KBU6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 128KB FLASH 32QFPN<br>In stock: 59626 pcs<br><b>RFQ</b>   | <br><b>STM32L082CZY6TR</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 192KB FLASH 49WLCSP<br>In stock: 42565 pcs<br><b>RFQ</b> |
| <br><b>STM32L082KZT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 192KB FLASH 32LQFP<br>In stock: 48793 pcs<br><b>RFQ</b>   | <br><b>STM32L083CZT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 192KB FLASH 48LQFP<br>In stock: 33818 pcs<br><b>RFQ</b>    |
| <br><b>STM32L083CBT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br>In stock: 43021 pcs<br><b>RFQ</b>   | <br><b>STM32L081KZT6</b><br>Manufacturers: STMicroelectronics<br>Description: IC MCU 32BIT 192KB FLASH 32LQFP<br>In stock: 49196 pcs<br><b>RFQ</b>    |