



STMicroelectronics



STM32L4R7VIT6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L4R7VIT6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | ULTRA-LOW-POWER WITH FPU ARM COR                                                                             |
| Datasheets:         |  STM32L4R7VIT6.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.

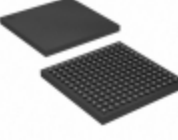
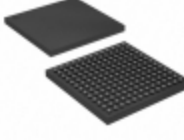
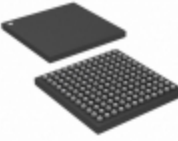
Specifications of STM32L4R7VIT6

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L4R7VIT6                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | ULTRA-LOW-POWER WITH FPU ARM COR                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| DATA SHEET                       |  STM32L4R7VIT6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                      |
| SPEED                            | 120MHz                                                                                                |
| SERIES                           | STM32L4R                                                                                              |
| RAM SIZE                         | 640K x 8                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 2MB (2M x 8)                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT                                                       |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 100-LQFP                                                                                              |
| OTHER NAMES                      | 497-17674                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                     |
| NUMBER OF I/O                    | 83                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| MANUFACTURER STANDARD LEAD TIME  | 12 Weeks                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | -                                                                                                     |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32L4R Microcontroller IC 32-Bit 120MHz 2MB (2M x 8) FLASH 100-LQFP (14x14)         |
| DATA CONVERTERS                  | A/D 16x12b, D/A 2x12b                                                                                 |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                       |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SD, SAI, SPI, UART/USART, USB OTG                             |

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Related Products

|                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                |
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| <div><div><b>STM32L4R5ZIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: ULTRA-LOW-POWER WITH FPU ARM COR<br/>In stock: 109 pcs<br/>RFQ</div></div>                 | <div><div><b>STM32L4R9VGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 100 14X14X1.4<br/>In stock: Out stock<br/>RFQ</div></div>                        |
| <div><div><b>STM32L4R7ZIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock<br/>RFQ</div></div>                           | <div><div><b>STM32L4R5ZGY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: WLCSP 144L DIE 470 P<br/>In stock: Out stock<br/>RFQ</div></div>                    |
| <div><div><b>STM32L4R9I-EVAL</b><br/>Manufacturers: STMicroelectronics<br/>Description: EVAL BOARD FOR STM32L4R9AI<br/>In stock: 48 pcs<br/>RFQ</div></div>                      | <div><div><b>STM32L4R7AII6</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 7X7X0.6 169L P<br/>In stock: Out stock<br/>RFQ</div></div>                      |
| <div><div><b>STM32L4R5ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock<br/>RFQ</div></div>                           | <div><div></div><div><b>STM32L4R5ZIT6P</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock<br/>RFQ</div></div>          |
| <div><div></div><div><b>STM32L4R9AII6</b><br/>Manufacturers: STMicroelectronics<br/>Description: ULTRA-LOW-POWER WITH FPU ARM COR<br/>In stock: 95 pcs<br/>RFQ</div></div>       | <div><div></div><div><b>STM32L4R9AGI6</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFBGA 7X7X0.6 169L P<br/>In stock: 200 pcs<br/>RFQ</div></div>             |
| <div><div></div><div><b>STM32L4R5ZIIY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: ULTRA-LOW-POWER WITH FPU ARM COR<br/>In stock: Out stock<br/>RFQ</div></div> | <div><div></div><div><b>STM32L4R9I-DISCO</b><br/>Manufacturers: STMicroelectronics<br/>Description: DISCOVERY KIT WITH STM32L4R9AI<br/>In stock: 68 pcs<br/>RFQ</div></div> |