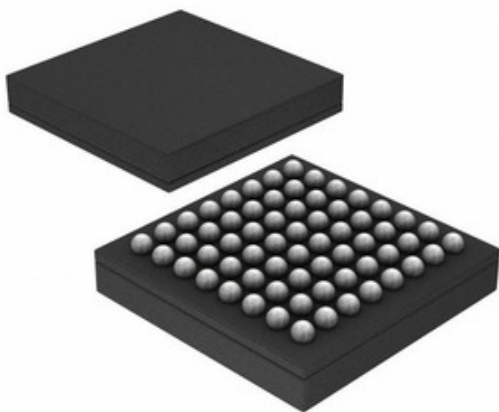




STMicroelectronics



STM32L051R6H6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L051R6H6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 64TFBGA                                                                              |
| Datasheets:         |  STM32L051R6H6.pdf          |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

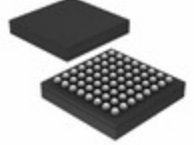
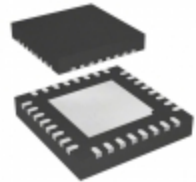
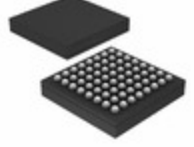
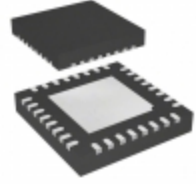
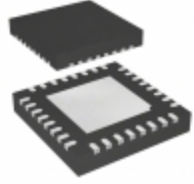
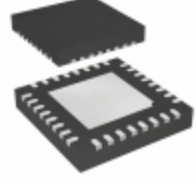
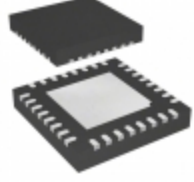
Specifications of STM32L051R6H6

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L051R6H6                                                                                         |
| MANUFACTURER                     | STMicroelectronics                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 64TFBGA                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| DATA SHEET                       |  STM32L051R6H6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 64-TFBGA (5x5)                                                                                        |
| SPEED                            | 32MHz                                                                                                 |
| SERIES                           | STM32L0                                                                                               |
| RAM SIZE                         | 8K x 8                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                 |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                          |
| PACKAGING                        | Tray                                                                                                  |
| PACKAGE / CASE                   | 64-TFBGA                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                     |
| NUMBER OF I/O                    | 51                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                         |
| MANUFACTURER STANDARD LEAD TIME  | 30 Weeks                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                            |
| EEPROM SIZE                      | 2K x 8                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ STM32L0 Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 64-TFBGA (5x5)          |
| DATA CONVERTERS                  | A/D 16x12b                                                                                            |
| CORE SIZE                        | 32-Bit                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-M0+                                                                                      |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, SPI, UART/USART                                                               |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32L051R6H6 | STM32L051R6H6 Distributor        | STM32L051R6H6 Supplier               |
| STM32L051R6H6 Price              | STM32L051R6H6 Pictures           | STM32L051R6H6 Image                  |
| STM32L051R6H6 PDF Datasheet      | STM32L051R6H6 Download Datasheet | STM32L051R6H6 Datasheet              |
| STM32L051R6H6 Stock              | Buy STM32L051R6H6                | Buy STMicroelectronics STM32L051R6H6 |
| STMicroelectronics STM32L051R6H6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STM32L051R6H6                    |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L051R8T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>STM32L051R8T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: Out stock</div> <div>RFQ</div>      |
|  <div><b>STM32L051R6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 64LQFP<br/>In stock: 656 pcs</div> <div>RFQ</div>     |  <div><b>STM32L051R8H6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64TFBGA<br/>In stock: Out stock</div> <div>RFQ</div>     |
|  <div><b>STM32L051K8U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>STM32L051R8H7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64TFBGA<br/>In stock: Out stock</div> <div>RFQ</div>     |
|  <div><b>STM32L051R8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: 566 pcs</div> <div>RFQ</div>     |  <div><b>STM32L051K8U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>STM32L051K8U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>STM32L051K8U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>STM32L051K8U3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>STM32L051K8U6DTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |