



STMicroelectronics

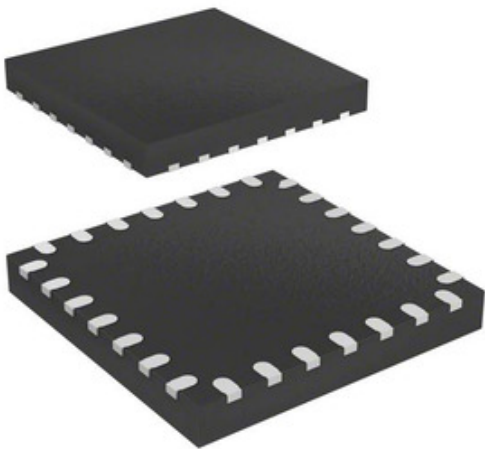


Image may be representation. See specifications for product details.

STM32F031G6U7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F031G6U7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 28UFQFPN                                                                             |
|                     | <a href="#">1.STM32F031G6U7.pdf</a>                                                                          |
|                     | <a href="#">2.STM32F031G6U7.pdf</a>                                                                          |
|                     | <a href="#">3.STM32F031G6U7.pdf</a>                                                                          |
|                     | <a href="#">4.STM32F031G6U7.pdf</a>                                                                          |
|                     | <a href="#">5.STM32F031G6U7.pdf</a>                                                                          |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 112120 pcs stock                                                                                             |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

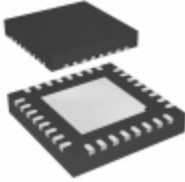
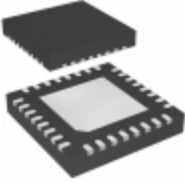
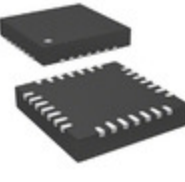
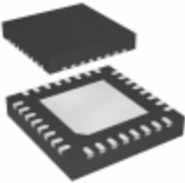
Specifications of STM32F031G6U7

|                                  |                                                                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F031G6U7                                                                                                                                                                                   |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 28UFQFPN                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                      |
| QUANTITY AVAILABLE               | 112120 pcs                                                                                                                                                                                      |
| DATA SHEET                       | <a href="#">1.STM32F031G6U7.pdf</a><br><a href="#">2.STM32F031G6U7.pdf</a><br><a href="#">3.STM32F031G6U7.pdf</a><br><a href="#">4.STM32F031G6U7.pdf</a><br><a href="#">5.STM32F031G6U7.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 28-UFQFPN (5x5)                                                                                                                                                                                 |
| SPEED                            | 48MHz                                                                                                                                                                                           |
| SERIES                           | STM32F0                                                                                                                                                                                         |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                           |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                                                                                  |
| PERIPHERALS                      | DMA, I²S, POR, PWM, WDT                                                                                                                                                                         |
| PACKAGING                        | Tray                                                                                                                                                                                            |
| PACKAGE / CASE                   | 28-UFQFN                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                              |
| NUMBER OF I/O                    | 23                                                                                                                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                      |
| EEPROM SIZE                      | -                                                                                                                                                                                               |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 STM32F0 Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 28-UFQFPN (5x5)                                                                                                    |
| DATA CONVERTERS                  | A/D 13x12b                                                                                                                                                                                      |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                          |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                                                                                                                 |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                              |

Related Tags

|                                  |                                  |                                      |
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| STMicroelectronics STM32F031G6U7 | STM32F031G6U7 Distributor        | STM32F031G6U7 Supplier               |
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Related Products

|                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><b>STM32F031G4U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 28UFQFPN<br/>In stock: 91263 pcs</div><div>RFQ</div></div>    | <div><div><b>STM32F031G4U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: ENTRY-LEVEL ARM CORTEX-M0 VALUE<br/>In stock: 95100 pcs</div><div>RFQ</div></div>   |
| <div><div><b>STM32F031K6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFPN<br/>In stock: 42125 pcs</div><div>RFQ</div></div>    | <div><div><b>STM32F031G4U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 28UFQFPN<br/>In stock: 109582 pcs</div><div>RFQ</div></div> |
| <div><div><b>STM32F031G6U7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 28UFQFPN<br/>In stock: 100994 pcs</div><div>RFQ</div></div> | <div><div><b>STM32F031K4U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFN<br/>In stock: 106174 pcs</div><div>RFQ</div></div>  |
| <div><div><b>STM32F031G6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 28UFQFN<br/>In stock: 49286 pcs</div><div>RFQ</div></div>     | <div><div><b>STM32F031K4U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFN<br/>In stock: 42709 pcs</div><div>RFQ</div></div>     |
| <div><div><b>STM32F031G6U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 28UFQFPN<br/>In stock: 93616 pcs</div><div>RFQ</div></div>  | <div><div><b>STM32F031G4U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 28UFQFPN<br/>In stock: 55048 pcs</div><div>RFQ</div></div>    |
| <div><div><b>STM32F031K6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: 38212 pcs</div><div>RFQ</div></div>      | <div><div><b>STM32F031K6T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: 70031 pcs</div><div>RFQ</div></div>      |