



STMicroelectronics

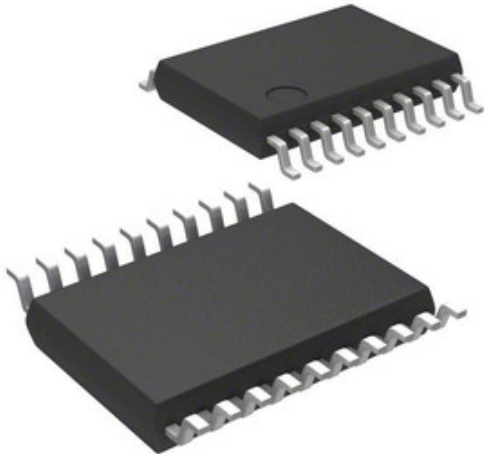


Image may be representation. See specifications for product details.

STM32L041F6P7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32L041F6P7                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 20TSSOP                                                                              |
|                     | <a href="#">1.STM32L041F6P7.pdf</a>                                                                          |
|                     | <a href="#">2.STM32L041F6P7.pdf</a>                                                                          |
|                     | <a href="#">3.STM32L041F6P7.pdf</a>                                                                          |
|                     | <a href="#">4.STM32L041F6P7.pdf</a>                                                                          |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

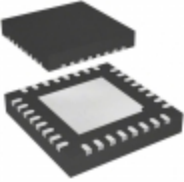
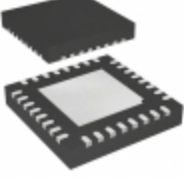
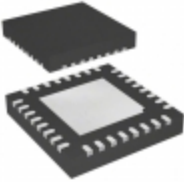
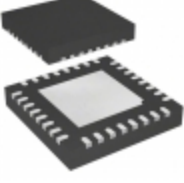
Specifications of STM32L041F6P7

|                                  |                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32L041F6P7                                                                                                                                            |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 20TSSOP                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| DATA SHEET                       | <a href="#">1.STM32L041F6P7.pdf</a><br><a href="#">2.STM32L041F6P7.pdf</a><br><a href="#">3.STM32L041F6P7.pdf</a><br><a href="#">4.STM32L041F6P7.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 20-TSSOP                                                                                                                                                 |
| 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, POR, PWM, WDT                                                                                                               |
| PACKAGING                        | Tray                                                                                                                                                     |
| PACKAGE / CASE                   | 20-TSSOP (0.173", 4.40mm Width)                                                                                                                          |
| OTHER NAMES                      | 497-16810                                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                       |
| NUMBER OF I/O                    | 15                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                            |
| MANUFACTURER STANDARD LEAD TIME  | 30 Weeks                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| EEPROM SIZE                      | 1K x 8                                                                                                                                                   |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0+ STM32L0 Microcontroller IC 32-Bit 32MHz 32KB (32K x 8) FLASH 20-TSSOP                                                                   |
| 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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Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32L041K4U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>STM32L031K6U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32QFPN<br/>In stock: Out stock</div> <div>RFQ</div> |
|  <div><b>STM32L041E6Y6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 25WLCSP<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>STM32L031K6U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32QFPN<br/>In stock: Out stock</div> <div>RFQ</div>   |
|  <div><b>STM32L041K6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32QFPN<br/>In stock: Out stock</div> <div>RFQ</div>     |  <div><b>STM32L041G6U6STR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFQFPN 4X4X0.55 28L<br/>In stock: Out stock</div> <div>RFQ</div>           |
|  <div><b>STM32L041G6U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 28QFPN<br/>In stock: Out stock</div> <div>RFQ</div>     |  <div><b>STM32L041K6U6D</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32QFPN<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>STM32L041C6T6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 48 7X7X1.4 1<br/>In stock: Out stock</div> <div>RFQ</div>                |  <div><b>STM32L041K6T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: Out stock</div> <div>RFQ</div>   |
|  <div><b>STM32L031K6U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32UFQFN<br/>In stock: Out stock</div> <div>RFQ</div>    |  <div><b>STM32L041C6T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 48LQFP<br/>In stock: Out stock</div> <div>RFQ</div>   |