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See specifications for product details.



## STM32L031F6P6

Manufacturer Part Number	<b>STM32L031F6P6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L031F6P6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 32KB FLASH 20TSSOP
Package	20-TSSOP (0.173", 4.40mm Width)
Data sheet	<b>STM32L031x4 ,x6.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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## Specifications

STM32L031F6P6 Tech Specifications

STM32L031F6P6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-TSSOP	Number of I/O	15
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L0	EEPROM Size	1K x 8
RAM Size	8K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	32KB (32K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	20-TSSOP (0.173", 4.40mm Width)	Base Product Number	STM32L031
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L031F6P6

Product Attribute				
Part Number	STM32L031F6P6	<b>STM32L031C6U6</b>	<b>STM32L031G6U3</b>	<b>STM32L031F4P6</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32L0	STM32L0	STM32L0	STM32L0
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Supplier Device Package	20-TSSOP	48-UFQFPN (7x7)	28-UFQFPN (4x4)	20-TSSOP
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 10x12b
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	20-TSSOP (0.173", 4.40mm Width)	48-UFQFN Exposed Pad	28-UFQFN	20-TSSOP (0.173", 4.40mm Width)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tube	Tray	Tape & Reel (TR)	Tube
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	16KB (16K x 8)
Number of I/O	15	38	21	15
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STM32L031	STM32L031	STM32L031	STM32L031
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.65V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V

## STM32L031F6P6 Datasheet PDF

Download STM32L031F6P6 pdf datasheets and STMicroelectronics documentation for STM32L031F6P6 - STMicroelectronics.

### Datasheets

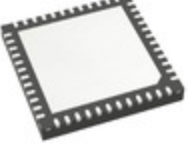
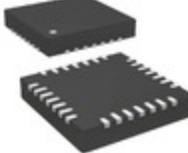






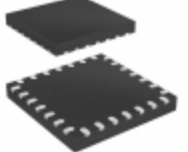



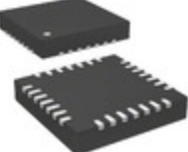

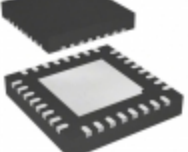
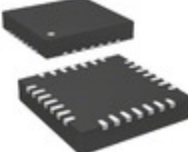
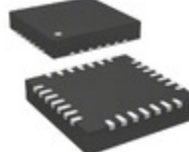

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### PCN Assembly/Origin

[2.73KHz.pdf](#)

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<b>STM32L031G6U7</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	<b>STM32L031F6P7</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 20TSSOP	<b>STM32L011K4U6TR</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 32UFQFPN	<b>STM32L031G6U6TR</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	<b>STM32L031G6U6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	<b>STM32L031G6U3TR</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN

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### Delivery Cost

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  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
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