



Image may be representation.  
See specifications for product details.



## STM32L031F6P6TR

Manufacturer Part Number	<b>STM32L031F6P6TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L031F6P6TR
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

STM32L031F6P6TR Tech Specifications  
STM32L031F6P6TR - 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	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L031F6P6TR

Product Attribute				
Part Number	STM32L031F6P6TR	STM32L011K4T6D	STM32L011K4T6	STM32L011K4T6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
RAM Size	8K x 8	2K x 8	2K x 8	2K x 8
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Base Product Number	STM32L031	STM32L011	STM32L011	STM32L011
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
EEPROM Size	1K x 8	512 x 8	512 x 8	512 x 8
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 10x12b
Speed	32MHz	32MHz	32MHz	32MHz
Number of I/O	15	26	26	26
Package / Case	20-TSSOP (0.173", 4.40mm Width)	32-LQFP	32-LQFP	32-LQFP
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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	STM32L0	STM32L0	STM32L0	STM32L0
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V
Supplier Device Package	20-TSSOP	32-LQFP (7x7)	32-LQFP (7x7)	32-LQFP (7x7)
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	32KB (32K x 8)	16KB (16K x 8)	16KB (16K x 8)	16KB (16K x 8)
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Program Memory Type	FLASH	FLASH	FLASH	FLASH

### STM32L031F6P6TR Datasheet PDF

Download STM32L031F6P6TR pdf datasheets and STMicroelectronics documentation for STM32L031F6P6TR - STMicroelectronics.

#### Datasheets




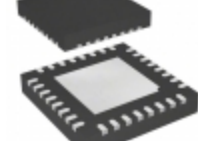


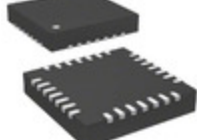
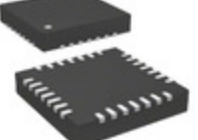







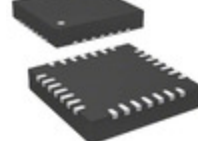
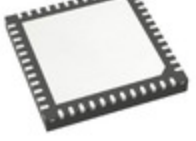
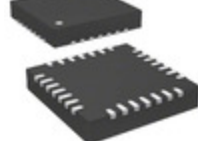
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#### PCN Assembly/Origin

[Multi Dev 28/Sep/2022.pdf](#)

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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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