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See specifications for product details.



STM32L031F6P7

Manufacturer Part Number **STM32L031F6P7**

Manufacturer **STMicroelectronics**

Allelco Part Number **32D-STM32L031F6P7**

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 **STM32L0 Series Programming Manual.pdf**

STM32L031x4 ,x6.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

STM32L031F6P7 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L031F6P7 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L031F6P7 Tech Specifications

STM32L031F6P7 - 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 ~ 105°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	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L031F6P7

Product Attribute				
Part Number	STM32L031F6P7	STM32L011K4T6D	STM32L031F6P6	STM32L011K4T6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
RAM Size	8K x 8	2K x 8	8K x 8	2K x 8
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package	Tray	Tray	Tube	Tape & Reel (TR)
Supplier Device Package	20-TSSOP	32-LQFP (7x7)	20-TSSOP	32-LQFP (7x7)
Number of I/O	15	26	15	26
Series	STM32L0	STM32L0	STM32L0	STM32L0
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	1K x 8	512 x 8	1K x 8	512 x 8
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 10x12b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STM32L031	STM32L011	STM32L031	STM32L011
Program Memory Size	32KB (32K x 8)	16KB (16K x 8)	32KB (32K x 8)	16KB (16K x 8)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.65V ~ 3.6V	1.8V ~ 3.6V	1.65V ~ 3.6V
Package / Case	20-TSSOP (0.173", 4.40mm Width)	32-LQFP	20-TSSOP (0.173", 4.40mm Width)	32-LQFP
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, SPI, UART/USART
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
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
Speed	32MHz	32MHz	32MHz	32MHz

STM32L031F6P7 Datasheet PDF

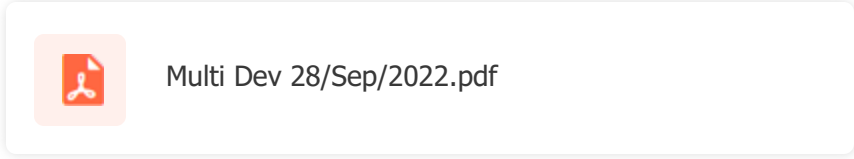
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Datasheets

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Recommended Products

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STM32L031G6U6TR STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	STM32L031G6U7TR STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	STM32L031G6U7 STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	STM32L011K4U6TR STMicroelectronics IC MCU 32BIT 16KB FLASH 32UFQFPN	STM32L031G6U3TR STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	STM32L031C6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP
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Delivery Cost

- > Use your express account for shipment if you have one.
 - > 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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