



Image may be representation.  
See specifications for product details.



## STM32L072V8T6

Manufacturer Part Number **STM32L072V8T6**

Manufacturer **STMicroelectronics**

Allelco Part Number **32D-STM32L072V8T6**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 32BIT 64KB FLASH 100LQFP**

Package **100-LQFP**

Data sheet **STM32L0 Series Programming Manual.pdf**

**STM32L072x8,xB,xZ Datasheet.pdf**

RoHs Status **ROHS3 Compliant**

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## Specifications

STM32L072V8T6 Tech Specifications

STM32L072V8T6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	84
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L0	EEPROM Size	3K x 8
RAM Size	20K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	STM32L072
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L072V8T6

Product Attribute				
Part Number	STM32L072V8T6	STM32L072KZT6	STM32L073RZH6	STM32L073RBT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 16x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 15x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Series	STM32L0	STM32L0	STM32L0	STM32L0
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Base Product Number	STM32L072	STM32L072	STM32L073	STM32L073
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	20K x 8	20K x 8	20K x 8	20K x 8
Connectivity	I²C, IrDA, SPI, UART/USART, USB	I²C, IrDA, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB
EEPROM Size	3K x 8	6K x 8	6K x 8	6K x 8
Number of I/O	84	25	50	51
Package	Tray	Tray	Tray	Tray
Speed	32MHz	32MHz	32MHz	32MHz
Program Memory Size	64KB (64K x 8)	192KB (192K x 8)	192KB (192K x 8)	128KB (128K x 8)
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.65V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Package / Case	100-LQFP	32-LQFP	64-UFBGA	64-LQFP
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT
Supplier Device Package	100-LQFP (14x14)	32-LQFP (7x7)	64-UFBGA (5x5)	64-LQFP (10x10)

## STM32L072V8T6 Datasheet PDF

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### PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

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### PCN Assembly/Origin

2.73KHz.pdf

## PCN Design/Specification

Cylindrical Battery Holders.pdf







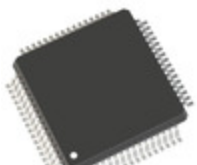
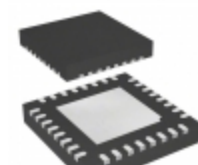
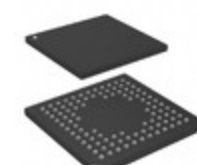
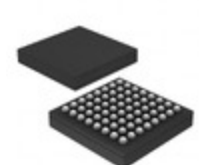
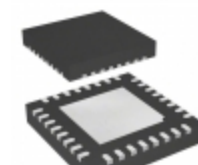

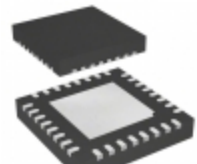





## HTML Datasheet

STM32L0 Series Programming Manual.pdf

STM32L072x8,xB,xZ Datasheet.pdf

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 <b>STM32L072KZU6</b> STMicroelectronics IC MCU 32BIT 192KB FL5H 32UFQFPN	 <b>STM32L073RBH6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64UFBGA	 <b>STM32L072RZT6</b> STMicroelectronics IC MCU 32BIT 192KB FLASH 64LQFP	 <b>STM32L073CZT6</b> STMicroelectronics IC MCU 32BIT 192KB FLASH 48LQFP	 <b>STM32L073V8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP	 <b>STM32L072CZY6TR</b> STMicroelectronics IC MCU 32BIT 192KB FLASH 49WLCSP

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- (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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