



Image may be representation.  
See specifications for product details.



## STM32L496ZET6

Manufacturer Part Number	<b>STM32L496ZET6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L496ZET6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 144LQFP
Package	144-LQFP
Data sheet	<b>STM32L496xx.pdf</b>

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### Specifications

STM32L496ZET6 Tech Specifications  
STM32L496ZET6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	115
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	320K x 8	Data Converters	A/D 24x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Connectivity	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Package / Case	144-LQFP	Base Product Number	STM32L496
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L496ZET6

Product Attribute				
Part Number	STM32L496ZET6	STM32L4A6RGT6	STM32L4A6AGI6	STM32L4A6RGT7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Connectivity	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Number of I/O	115	52	136	52
Program Memory Size	512KB (512K x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Supplier Device Package	144-LQFP (20x20)	64-LQFP (10x10)	169-UFBGA (7x7)	64-LQFP (10x10)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT
RAM Size	320K x 8	320K x 8	320K x 8	320K x 8
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	STM32L4	STM32L4	STM32L4	STM32L4
Package / Case	144-LQFP	64-LQFP	169-UFBGA	64-LQFP
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
EEPROM Size	-	-	-	-
Package	Tray	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STM32L496	STM32L4A6	STM32L4A6	STM32L4A6
Data Converters	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Speed	80MHz	80MHz	80MHz	80MHz

### STM32L496ZET6 Datasheet PDF

Download STM32L496ZET6 pdf datasheets and STMicroelectronics documentation for STM32L496ZET6 - STMicroelectronics.

#### Datasheets

[STM32L496xx.pdf](#)


#### PCN Packaging

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

## PCN Design/Specification




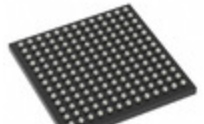




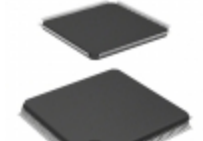

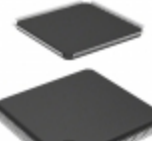
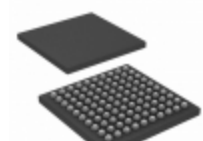
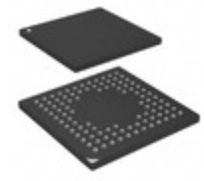





 STM32L4/4+ DS Update 30/May/2018.pdf

## PCN Assembly/Origin

 Mult Dev Assembly Source Add 5/Mar/2019.pdf

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### Recommended Products

					
<b>STM32L4A6RGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	<b>STM32L4A6AGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	<b>STM32L4A6RGT7</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	<b>STM32L4P5AGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	<b>STM32L496VGT3</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L496RGT3</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP
					
<b>STM32L496RGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	<b>STM32L496VGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L496ZGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L496VET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	<b>STM32L496ZGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L496VGY6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100WLCSP
					
<b>STM32L496VGY6PTR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100WLCSP	<b>STM32L496ZGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L4P5CGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 48LQFP	<b>STM32L496RGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	<b>STM32L4A6VGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L496VGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP

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In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### 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. Contact us if you have any questions.

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