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See specifications for product details.



STM32L496ZGT6

Manufacturer Part Number	STM32L496ZGT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L496ZGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 144LQFP
Package	144-LQFP
Data sheet	STM32L496xx.pdf

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Specifications

STM32L496ZGT6 Tech Specifications

STM32L496ZGT6 - 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	1MB (1M x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² 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 STM32L496ZGT6

Product Attribute				
Part Number	STM32L496ZGT6	STM32L496VGY6PTR	STM32L496ZGT6P	STM32L496VGT3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Number of I/O	115	83	115	83
Supplier Device Package	144-LQFP (20x20)	100-WLCSP (4.62x4.14)	144-LQFP (20x20)	100-LQFP (14x14)
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
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
Series	STM32L4	STM32L4	STM32L4	STM32L4
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
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
RAM Size	320K x 8	320K x 8	320K x 8	320K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	STM32L496	STM32L496	STM32L496	STM32L496
Package / Case	144-LQFP	100-UFBGA, WLCSP	144-LQFP	100-LQFP
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Package	Tray	Tape & Reel (TR)	Tray	Tray
Speed	80MHz	80MHz	80MHz	80MHz

STM32L496ZGT6 Datasheet PDF

Download STM32L496ZGT6 pdf datasheets and STMicroelectronics documentation for STM32L496ZGT6 - STMicroelectronics.

Datasheets

[STM32L496xx.pdf](#)


PCN Packaging

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

PCN Design/Specification

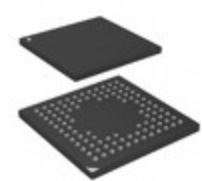
 STM32L4/4+ DS Update 30/May/2018.pdf

PCN Assembly/Origin

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

Customers Also Interested in

Recommended Products



STM32L496VGY6PTR

STMicroelectronics
IC MCU 32BIT 1MB FLASH
100WLCSP



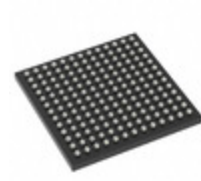
STM32L496ZGT6P

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32L496VGT3

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L4P5AGI6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 169UFBGA



STM32L496ZET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH
144LQFP



STM32L4A6VGT6P

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



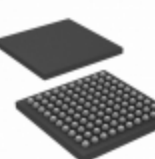
STM32L4P5VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L496VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



STM32L496VGY6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH
100WLCSP



STM32L4A6RGT7

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



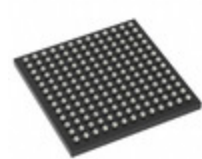
STM32L496RGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32L496VGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L4A6AGI6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 169UFBGA



STM32L496ZGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32L496VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L4P5CGT6P

STMicroelectronics
IC MCU 32BIT 1MB FLASH 48LQFP



STM32L496RGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32L4A6RGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP

Shipment

Delivery Time

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

- > 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.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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