



Image may be representation.  
See specifications for product details.



## STM32L496QGI6

Manufacturer Part Number	<b>STM32L496QGI6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L496QGI6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 132UFBGA
Package	132-UFBGA
Data sheet	<b>STM32L496xx.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STM32L496QGI6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L496QGI6 datasheet/specifications on AllelcoElec.com.  
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### Specifications

STM32L496QGI6 Tech Specifications

STM32L496QGI6 - 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	132-UFBGA (7x7)	Number of I/O	110
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	320K x 8	Data Converters	A/D 19x12b; 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 <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Package / Case	132-UFBGA	Base Product Number	STM32L496
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L496QGI6

Product Attribute				
Part Number	STM32L496QGI6	<b>STM32L496VGY6PTR</b>	<b>STM32L496RGT6</b>	<b>STM32L486QGI6TR</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Speed	80MHz	80MHz	80MHz	80MHz
Data Converters	A/D 19x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 19x12b; D/A 2x12b
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
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, 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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	STM32L496	STM32L496	STM32L496	STM32L486
RAM Size	320K x 8	320K x 8	320K x 8	128K x 8
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Supplier Device Package	132-UFBGA (7x7)	100-WLCSP (4.62x4.14)	64-LQFP (10x10)	132-UFBGA (7x7)
Package / Case	132-UFBGA	100-UFBGA, WLCSP	64-LQFP	132-UFBGA
Package	Tray	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
EEPROM Size	-	-	-	-
Series	STM32L4	STM32L4	STM32L4	STM32L4
Number of I/O	110	83	52	109
Program Memory Type	FLASH	FLASH	FLASH	FLASH

### STM32L496QGI6 Datasheet PDF

Download STM32L496QGI6 pdf datasheets and STMicroelectronics documentation for STM32L496QGI6 - STMicroelectronics.

#### Datasheets

STM32L496xx.pdf

#### PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

## PCN Design/Specification


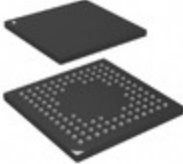

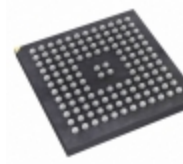

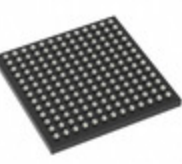
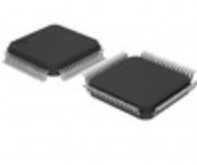


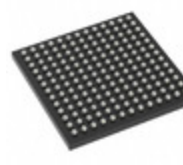








STM32L4/4+ DS Update 30/May/2018.pdf

## PCN Assembly/Origin

Mult Dev A/T Chgs 13/Dec/2021.pdf

## Customers Also Interested in

### Recommended Products

 <b>STM32L486QGI6,32</b> STMicroelectronics	 <b>STM32L496VGY6PTR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100WL CSP	 <b>STM32L496RGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	 <b>STM32L486QGI6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 132UF BGA	 <b>STM32L496VGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	 <b>STM32L496AGI3</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UF BGA
 <b>STM32L486RGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	 <b>STM32L486VGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	 <b>STM32L486QGI6TR,32</b> STMicroelectronics	 <b>STM32L496AGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UF BGA	 <b>STM32L496VGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	 <b>STM32L496RGT3</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP
 <b>STM32L496RET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP	 <b>STM32L496VGT3</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	 <b>STM32L496VET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	 <b>STM32L486VGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	 <b>STM32L486QGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 132UF BGA	 <b>STM32L496RGT6TR</b> 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

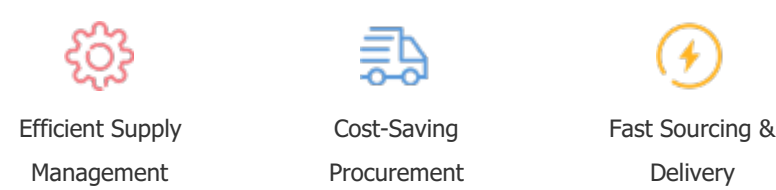
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

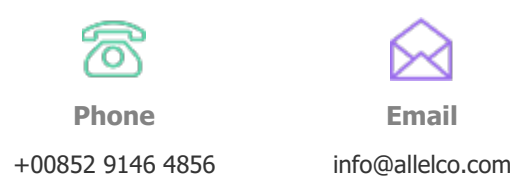
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Contact us if you have any questions.



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