



Image may be representation.
See specifications for product details.



STM32L496RET6

Manufacturer Part Number	STM32L496RET6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L496RET6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32L496xx.pdf

Get a Quote

STM32L496RET6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L496RET6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L496RET6 Tech Specifications

STM32L496RET6 - 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	64-LQFP (10x10)	Number of I/O	52
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	320K x 8	Data Converters	A/D 16x12b; 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, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Package / Case	64-LQFP	Base Product Number	STM32L496
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L496RET6

Product Attribute				
Part Number	STM32L496RET6	STM32L496VGT3	STM32L496VGT3	STM32L496RET6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	80MHz	80MHz	80MHz	80MHz
Base Product Number	STM32L496	STM32L496	STM32L496	STM32L496
EEPROM Size	-	-	-	-
Number of I/O	52	83	83	52
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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
Package	Tray	Tape & Reel (TR)	Tray	Tray
Supplier Device Package	64-LQFP (10x10)	100-WLCSP (4.62x4.14)	100-LQFP (14x14)	64-LQFP (10x10)
Series	STM32L4	STM32L4	STM32L4	STM32L4
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	512KB (512K x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Connectivity	CANbus, 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, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
RAM Size	320K x 8	320K x 8	320K x 8	320K x 8
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
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
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Package / Case	64-LQFP	100-UFBGA, WLCSP	100-LQFP	64-LQFP

STM32L496RET6 Datasheet PDF

Download STM32L496RET6 pdf datasheets and STMicroelectronics documentation for STM32L496RET6 - STMicroelectronics.

Datasheets

STM32L496xx.pdf

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Design/Specification

Mult Dev Material Chgs 28/Feb/2023.pdf

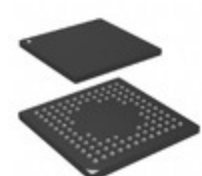
STM32L4/4+ DS Update 30/May/2018.pdf

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

Customers Also Interested in

Recommended Products



STM32L496VGY6PTR

STMicroelectronics
IC MCU 32BIT 1MB FLASH
100WL CSP



STM32L496VGT3

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L496RGT3

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



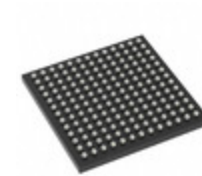
STM32L496RGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



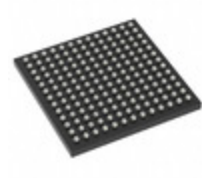
STM32L496VGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L496AGI3

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IC MCU 32BIT 1MB FLASH 169UFBGA



STM32L496AGI6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 169UFBGA



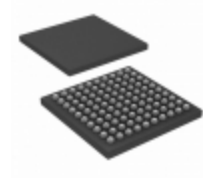
STM32L486RGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32L486QGI6,32

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STM32L496VGY6TR

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IC MCU 32BIT 1MB FLASH
100WL CSP



STM32L486VGT6

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IC MCU 32BIT 1MB FLASH 100LQFP



STM32L496VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



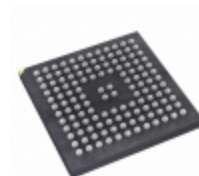
STM32L486VGT6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L496RGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 64LQFP



STM32L486QGI6TR

STMicroelectronics
IC MCU 32BIT 1MB FLASH 132UFBGA



STM32L486QGI6TR,32

STMicroelectronics



STM32L496VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32L496QGI6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 132UFBGA

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.

- Phone
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Certifications & Memberships



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