



Image may be representation.  
See specifications for product details.



## STM32L4A6RGT6

Manufacturer Part Number	<b>STM32L4A6RGT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L4A6RGT6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 1MB FLASH 64LQFP
Package	64-LQFP
Data sheet	<b>STM32L4A6xG Datasheet.pdf</b>
	<b>STM32L4x5, 4x6 Reference Manual.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STM32L4A6RGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L4A6RGT6 datasheet/specifications on AllelcoElec.com.  
Request a quote for STM32L4A6RGT6, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

STM32L4A6RGT6 Tech Specifications

STM32L4A6RGT6 - 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	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	64-LQFP	Base Product Number	STM32L4A6
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L4A6RGT6

Product Attribute				
Part Number	STM32L4A6RGT6	STM32L4Q5RGT6	STM32L496VGY6TR	STM32L4A6RGT7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	100-WLCSP (4.62x4.14)	64-LQFP (10x10)
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tape & Reel (TR)	Tray
Base Product Number	STM32L4A6	STM32L4Q5	STM32L496	STM32L4A6
Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT
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
Series	STM32L4	STM32L4	STM32L4	STM32L4
RAM Size	320K x 8	320K x 8	320K x 8	320K x 8
Package / Case	64-LQFP	64-LQFP	100-UFBGA, WLCSP	64-LQFP
Speed	80MHz	120MHz	80MHz	80MHz
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	52	-	83	52
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
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, SAI, SPI, 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

## STM32L4A6RGT6 Datasheet PDF

Download STM32L4A6RGT6 pdf datasheets and STMicroelectronics documentation for STM32L4A6RGT6 - STMicroelectronics.

### PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

### PCN Design/Specification

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf


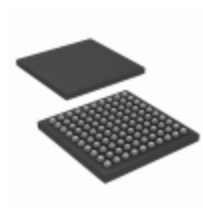








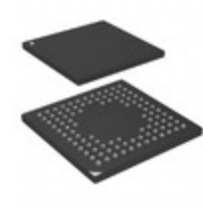


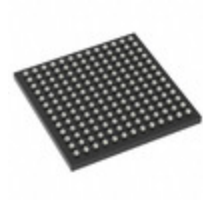



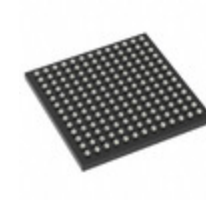
HTML Datasheet

STM32L4A6xG Datasheet.pdf

STM32L4x5, 4x6 Reference Manual.pdf

Customers Also Interested in

Recommended Products

					
<b>STM32L4Q5RGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	<b>STM32L496VGY6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100WL CSP	<b>STM32L4A6RGT7</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP		<b>STM32L496ZGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L4P5CGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 48LQFP
					
<b>STM32L4P5VGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L496VGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L496ZGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP		<b>STM32L496VGY6PTR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100WL CSP	<b>STM32L496ZET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP
					
<b>STM32L496VGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L4P5AGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	<b>STM32L4P5ZGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L496ZGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L4P5ZGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L4A6AGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA

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 Alleco 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 +00852 9146 4856	 Email info@alleco.com
--	---

Certifications & Memberships



View More

