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See specifications for product details.



## STM32L4A6AGI6

Manufacturer Part Number **STM32L4A6AGI6**

Manufacturer **STMicroelectronics**

Allelco Part Number **32D-STM32L4A6AGI6**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 32BIT 1MB FLASH 169UFBGA**

Package **169-UFBGA**

Data sheet **STM32L4A6xG Datasheet.pdf**

**STM32L4x5, 4x6 Reference Manual.pdf**

RoHs Status **ROHS3 Compliant**

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## Specifications

STM32L4A6AGI6 Tech Specifications

STM32L4A6AGI6 - 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	169-UFBGA (7x7)	Number of I/O	136
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 <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Package / Case	169-UFBGA	Base Product Number	STM32L4A6
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L4A6AGI6

Product Attribute				
Part Number	STM32L4A6AGI6	STM32L4P5ZGT6	STM32L496VGT6	STM32L4P5ZGT6P
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Base Product Number	STM32L4A6	STM32L4P5	STM32L496	STM32L4P5
Speed	80MHz	120MHz	80MHz	120MHz
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	169-UFBGA (7x7)	144-LQFP (20x20)	100-LQFP (14x14)	144-LQFP (20x20)
Package	Tray	Tray	Tray	Tray
RAM Size	320K x 8	320K x 8	320K x 8	320K x 8
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, SAI, SPI, UART/USART, USB OTG
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	136	115	83	115
Package / Case	169-UFBGA	144-LQFP	100-LQFP	144-LQFP
Data Converters	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
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, POR, PWM, WDT
Series	STM32L4	STM32L4	STM32L4	STM32L4
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V

## STM32L4A6AGI6 Datasheet PDF

Download STM32L4A6AGI6 pdf datasheets and STMicroelectronics documentation for STM32L4A6AGI6 - STMicroelectronics.

### 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





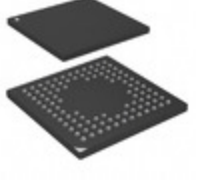








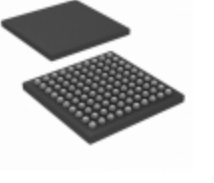
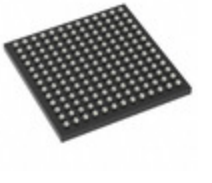



### HTML Datasheet

STM32L4A6xG Datasheet.pdf

STM32L4x5, 4x6 Reference Manual.pdf

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<b>STM32L4A6RGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	<b>STM32L496VGY6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100WLCS	<b>STM32L4P5AGI6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	<b>STM32L496VGT6TR</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	<b>STM32L496ZGT6P</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	<b>STM32L496ZGT6</b> STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP

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### 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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