



STM32L4A6VGT6P

Manufacturer Part Number	STM32L4A6VGT6P
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L4A6VGT6P
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32L4A6xG Datasheet.pdf STM32L4x5, 4x6 Reference Manual.pdf
RoHS Status	ROHS3 Compliant

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Specifications

STM32L4A6VGT6P Tech Specifications
STM32L4A6VGT6P - 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	100-LQFP (14x14)	Number of I/O	83
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 ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Package / Case	100-LQFP	Base Product Number	STM32L4A6
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L4A6VGT6P

Product Attribute				
Part Number	STM32L4A6VGT6P	STM32L496ZGT6	STM32L4P5ZGT6P	STM32L496VGY6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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, SAI, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	80MHz	80MHz	120MHz	80MHz
RAM Size	320K x 8	320K x 8	320K x 8	320K x 8
Number of I/O	83	115	115	83
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Supplier Device Package	100-LQFP (14x14)	144-LQFP (20x20)	144-LQFP (20x20)	100-WLCSP (4.62x4.14)
Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	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
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	100-LQFP	144-LQFP	144-LQFP	100-UFBGA, WLCSP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Package	Tray	Tray	Tray	Tape & Reel (TR)
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Series	STM32L4	STM32L4	STM32L4	STM32L4
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Data Converters	A/D 16x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Base Product Number	STM32L4A6	STM32L496	STM32L4P5	STM32L496

STM32L4A6VGT6P Datasheet PDF

Download STM32L4A6VGT6P pdf datasheets and STMicroelectronics documentation for STM32L4A6VGT6P - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Design/Specification



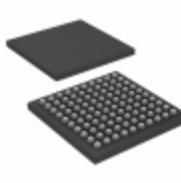
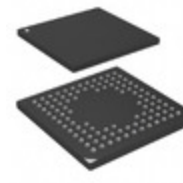



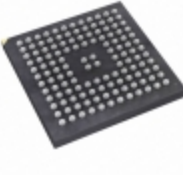


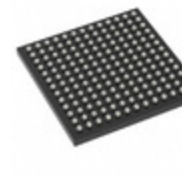

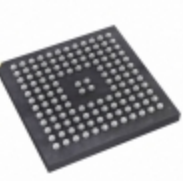



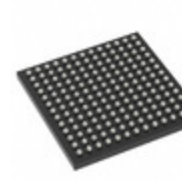

HTML Datasheet

STM32L4A6xG Datasheet.pdf

STM32L4x5, 4x6 Reference Manual.pdf

Customers Also Interested in

Recommended Products

					
STM32L496ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32L4P5ZGT6P STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32L496VGY6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 100WLCSP	STM32L496VGY6PTR STMicroelectronics IC MCU 32BIT 1MB FLASH 100WLCSP	STM32L496ZGT6P STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32L4P5ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP
					
STM32L4P5CGT6P STMicroelectronics IC MCU 32BIT 1MB FLASH 48LQFP	STM32L4R5QII6P STMicroelectronics IC MCU 32BIT 2MB FLASH 132UFBGA	STM32L496ZET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP	STM32L4A6RGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	STM32L4A6AGI6 STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	STM32L4Q5RGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP
					
STM32L4R5QII6 STMicroelectronics IC MCU 32BIT 2MB FLASH 132UFBGA	STM32L4A6RGT7 STMicroelectronics IC MCU 32BIT 1MB FLASH 64LQFP	STM32L496ZGT6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	STM32L4P5VGT6P STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP	STM32L4P5AGI6 STMicroelectronics IC MCU 32BIT 1MB FLASH 169UFBGA	STM32L4P5VGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 100LQFP

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

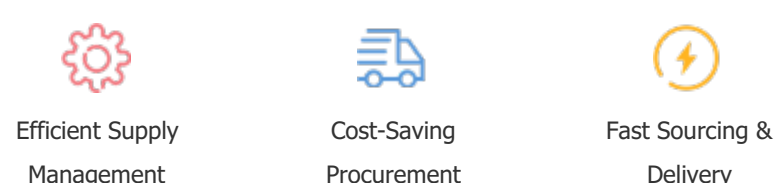
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
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Contact us if you have any questions.



Certifications & Memberships



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