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See specifications for product details.



STM32L412KBU6

Manufacturer Part Number	STM32L412KBU6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L412KBU6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLSH 32UFQFPN
Package	32-UFQFN Exposed Pad
Data sheet	STM32L412xx Datasheet.pdf STM32L412xx Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32L412KBU6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L412KBU6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L412KBU6 Tech Specifications

STM32L412KBU6 - 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	32-UFQFPN (5x5)	Number of I/O	26
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	40K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Connectivity	I²C, Infrared, IrDA, LINbus, Quad SPI, SPI, UART/USART, USB
Package / Case	32-UFQFN Exposed Pad	Base Product Number	STM32L412
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L412KBU6

Product Attribute				
Part Number	STM32L412KBU6	STM32L412KBT6	STM32L431CCT6	STM32L412CBT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT
Number of I/O	26	26	39	38
Package / Case	32-UFQFN Exposed Pad	32-LQFP	48-LQFP	48-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	32-UFQFPN (5x5)	32-LQFP (7x7)	48-LQFP (7x7)	48-LQFP (7x7)
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b; D/A 2x12b	A/D 10x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	256KB (256K x 8)	128KB (128K x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I²C, Infrared, IrDA, LINbus, Quad SPI, SPI, UART/USART, USB	I²C, Infrared, IrDA, LINbus, Quad SPI, SPI, UART/USART, USB	CANbus, I²C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART	I²C, Infrared, IrDA, LINbus, Quad SPI, SPI, UART/USART, USB
Series	STM32L4	STM32L4	STM32L4	STM32L4
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
EEPROM Size	-	-	-	-
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Base Product Number	STM32L412	STM32L412	STM32L431	STM32L412
RAM Size	40K x 8	40K x 8	64K x 8	40K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Package	Tray	Tray	Tray	Tray
Speed	80MHz	80MHz	80MHz	80MHz

STM32L412KBU6 Datasheet PDF

Download STM32L412KBU6 pdf datasheets and STMicroelectronics documentation for STM32L412KBU6 - STMicroelectronics.

Datasheets

STM32L412xx Datasheet.pdf

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin






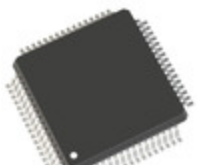
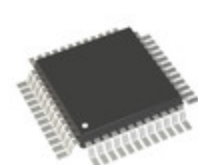




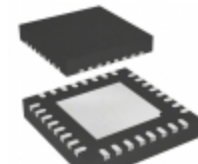

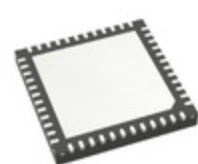

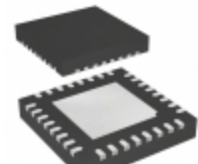
Multi Dev 21/Sep/2022.pdf

HTML Datasheet

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Customers Also Interested in

Recommended Products

					
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STM32L412RBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	STM32L422KBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 32LQFP	STM32L431CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32L422RBI6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64UFBGA	STM32L412RBT6P STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	STM32L412C8U6 STMicroelectronics IC MCU 32BIT 64KB FLASH 48UFQFPN
					
STM32L412CBU6 STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	STM32L412KBU3 STMicroelectronics IC MCU 32BIT 128KB FLSH 32UFQFPN	STM32L422CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32L431CBU6TR STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	STM32L412C8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	STM32L412K8U6 STMicroelectronics IC MCU 32BIT 64KB FLASH 32UFQFPN

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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Certifications & Memberships



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