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See specifications for product details.



STM32L152C8U6A

Manufacturer Part Number **STM32L152C8U6A**

Manufacturer **STMicroelectronics**

Allelco Part Number 32D-STM32L152C8U6A

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 32BIT 64KB FLASH 48UFQFPN**

Package **48-UFQFN Exposed Pad**

Data sheet **STM32F(10,20,21,L1)zzz Prog. Manual.pdf**

STM32L(151,152)x(6,8,B-A).pdf

RoHs Status **ROHS3 Compliant**

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Specifications

STM32L152C8U6A Tech Specifications

STM32L152C8U6A - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-UFQFPN (7x7)	Number of I/O	37
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L1	EEPROM Size	4K x 8
RAM Size	32K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I²S, LCD, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	48-UFQFN Exposed Pad	Base Product Number	STM32L152
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L152C8U6A

Product Attribute				
Part Number	STM32L152C8U6A	STM32L152RBT6	STM32L152CCU6	STM32L151VET7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	256KB (256K x 8)	512KB (512K x 8)
RAM Size	32K x 8	16K x 8	32K x 8	80K x 8
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDT
Speed	32MHz	32MHz	32MHz	32MHz
Data Converters	A/D 16x12b; D/A 2x12b	A/D 20x12b; D/A 2x12b	A/D 14x12b; D/A 2x12b	A/D 25x12b; D/A 2x12b
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB
Number of I/O	37	51	37	83
Package	Tray	Tray	Tray	Tray
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Supplier Device Package	48-UFQFPN (7x7)	64-LQFP (10x10)	48-UFQFPN (7x7)	100-LQFP (14x14)
EEPROM Size	4K x 8	4K x 8	8K x 8	16K x 8
Base Product Number	STM32L152	STM32L152	STM32L152	STM32L151
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Series	STM32L1	STM32L1	STM32L1	STM32L1
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	48-UFQFN Exposed Pad	64-LQFP	48-UFQFN Exposed Pad	100-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3

STM32L152C8U6A Datasheet PDF

Download STM32L152C8U6A pdf datasheets and STMicroelectronics documentation for STM32L152C8U6A - STMicroelectronics.

PCN Packaging



PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

PCN Design/Specification

Cylindrical Battery Holders.pdf

HTML Datasheet

STM32F(10,20,21,L1)zzz Prog. Manual.pdf

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Customers Also Interested in

Recommended Products



STM32L152RBT6
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32L152CCU6
STMicroelectronics
IC MCU 32BIT 256KB FLSH 48UFQFPN



STM32L151VET7
STMicroelectronics
IC MCU 32BIT 512KB FLASH 100LQFP



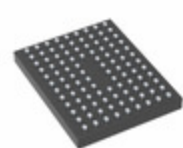
STM32L152C8T6
STMicroelectronics
IC MCU 32BIT 64KB FLASH 48LQFP



STM32L152CBT6A
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IC MCU 32BIT 128KB FLASH 48LQFP



STM32L152C6T6
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STM32L151VEY6TR
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IC MCU 32BIT 64KB FLASH 64LQFP



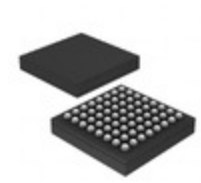
STM32L152CBT6
STMicroelectronics
IC MCU 32BIT 128KB FLASH 48LQFP



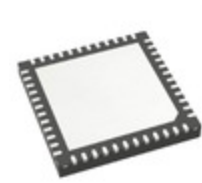
STM32L152CCT6
STMicroelectronics
IC MCU 32BIT 256KB FLASH 48LQFP



STM32L151ZDT6
STMicroelectronics
IC MCU 32BIT 384KB FLASH 144LQFP



STM32L152RBH6
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64BGA



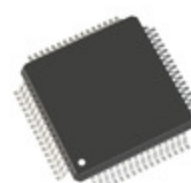
STM32L152C6U6A
STMicroelectronics
IC MCU 32BIT 32KB FLASH 48UFQFPN



STM32L152RCT6
STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



STM32L152C8T6A
STMicroelectronics
IC MCU 32BIT 64KB FLASH 48LQFP



STM32L152RBT6A
STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP

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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