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See specifications for product details.



STM32L152VBT6

Manufacturer Part Number	STM32L152VBT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L152VBT6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 128KB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32L15xx(6, 8, B).pdf
RoHs Status	ROHS3 Compliant

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STM32L152VBT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L152VBT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L152VBT6 Tech Specifications

STM32L152VBT6 - 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	100-LQFP (14x14)	Number of I/O	83
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L1	EEPROM Size	4K x 8
RAM Size	16K x 8	Data Converters	A/D 24x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, LCD, POR, PWM, WDT	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	STM32L152
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L152VBT6

Product Attribute				
Part Number	STM32L152VBT6	STM32L152VET6	STM32L152V8T6	STM32L152VCH6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Program Memory Size	128KB (128K x 8)	512KB (512K x 8)	64KB (64K x 8)	256KB (256K x 8)
Package / Case	100-LQFP	100-LQFP	100-LQFP	100-UFBGA
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
Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART, USB	I ² C, IrDA, LINbus, SPI, UART/USART, USB	I ² C, IrDA, LINbus, SPI, UART/USART, USB	I ² C, IrDA, LINbus, SPI, UART/USART, USB
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Data Converters	A/D 24x12b; D/A 2x12b	A/D 25x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b	A/D 25x12b; D/A 2x12b
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	16K x 8	80K x 8	10K x 8	32K x 8
Number of I/O	83	83	83	83
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	4K x 8	16K x 8	4K x 8	8K x 8
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, LCD, POR, PWM, WDT
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	STM32L1	STM32L1	STM32L1	STM32L1
Base Product Number	STM32L152	STM32L152	STM32L152	STM32L152
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	100-LQFP (14x14)	100-UFBGA (7x7)

STM32L152VBT6 Datasheet PDF

Download STM32L152VBT6 pdf datasheets and STMicroelectronics documentation for STM32L152VBT6 - STMicroelectronics.

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Design/Specification

[Mult Dev Des Improv 24/Nov/2022.pdf](#)

PCN Assembly/Origin

 STM32L1x 17/Nov/2022.pdf

HTML Datasheet

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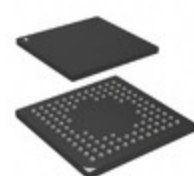
STM32L152VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



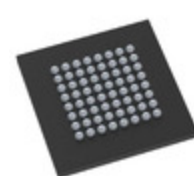
STM32L152V8T6

STMicroelectronics
IC MCU 32BIT 64KB FLASH 100LQFP



STM32L152VCH6

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IC MCU 32BIT 256KB FL5H
100UFBGA



STM32L152RDY6TR

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IC MCU 32BIT 384KB FLASH
64WLCSP



STM32L152RCT6A

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



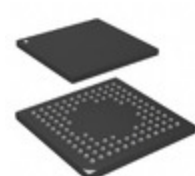
STM32L152VCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH
100LQFP



STM32L152V8T6A

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IC MCU 32BIT 64KB FLASH 100LQFP



STM32L152VBH6A

STMicroelectronics
IC MCU 32BIT 128KB FL5H
100UFBGA



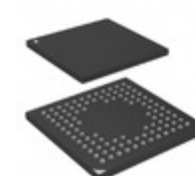
STM32L152VDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH
100LQFP



STM32L152VBH6,32

STMicroelectronics



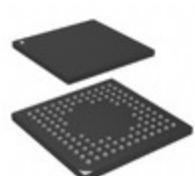
STM32L152VBH6

STMicroelectronics
IC MCU 32BIT 128KB FL5H
100UFBGA



STM32L152VET6TR

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



STM32L152V8H6

STMicroelectronics
IC MCU 32BIT 64KB FLASH
100UFBGA



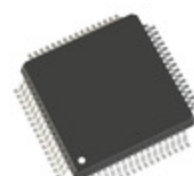
STM32L152VBT6ATR

STMicroelectronics
IC MCU 32BIT 128KB FLASH
100LQFP



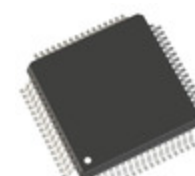
STM32L152VBT6A

STMicroelectronics
IC MCU 32BIT 128KB FLASH
100LQFP



STM32L152RET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



STM32L152RCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



STM32L152VBT6TR

STMicroelectronics
IC MCU 32BIT 128KB 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:

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.



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Certifications & Memberships



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