



Image may be representation.
See specifications for product details.



STM32L151QDH6TR

Manufacturer Part Number	STM32L151QDH6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L151QDH6TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 384KB FLSH 132UFBGA
Package	132-UFBGA
Data sheet	STM32F(10,20,21,L1)zzz Prog. Manual.pdf STM32L151xD,152xD Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32L151QDH6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L151QDH6TR datasheet/specifications on AllelcoElec.com.
Request a quote for STM32L151QDH6TR, please send us email: info@allelco.com

Specifications

STM32L151QDH6TR Tech Specifications
STM32L151QDH6TR - 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	132-UFBGA (7x7)	Number of I/O	109
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L1	EEPROM Size	12K x 8
RAM Size	48K x 8	Data Converters	A/D 40x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	384KB (384K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	132-UFBGA	Base Product Number	STM32L151
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L151QDH6TR

Product Attribute				
Part Number	STM32L151QDH6TR	STM32L151R6H6	STM32L151R8T6A	STM32L151RBH6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tape & Reel (TR)	Tray	Tray	Tray
Data Converters	A/D 40x12b; D/A 2x12b	A/D 20x12b; D/A 2x12b	A/D 20x12b; D/A 2x12b	A/D 20x12b; D/A 2x12b
Series	STM32L1	STM32L1	STM32L1	STM32L1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	132-UFBGA	64-TFBGA	64-LQFP	64-TFBGA
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT
EEPROM Size	12K x 8	4K x 8	4K x 8	4K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	109	51	51	51
Program Memory Size	384KB (384K x 8)	32KB (32K x 8)	64KB (64K x 8)	128KB (128K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
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
RAM Size	48K x 8	10K x 8	32K x 8	16K x 8
Base Product Number	STM32L151	STM32L151	STM32L151	STM32L151
Oscillator Type	Internal	Internal	Internal	Internal
Speed	32MHz	32MHz	32MHz	32MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Supplier Device Package	132-UFBGA (7x7)	64-TFBGA (5x5)	64-LQFP (10x10)	64-TFBGA (5x5)

STM32L151QDH6TR Datasheet PDF

Download STM32L151QDH6TR pdf datasheets and STMicroelectronics documentation for STM32L151QDH6TR - STMicroelectronics.

PCN Packaging



PCN Design/Specification

Mult Dev Des Improv 24/Nov/2022.pdf

Die Revision 21/Dec/2015.pdf

HTML Datasheet

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

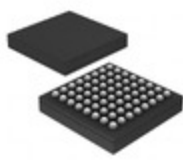

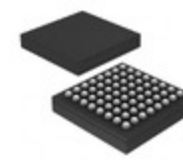
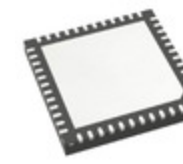
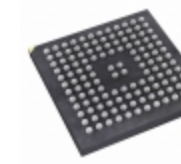
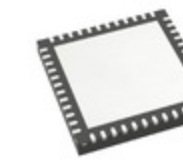


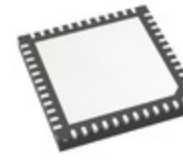


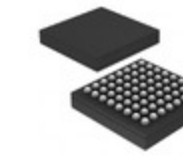

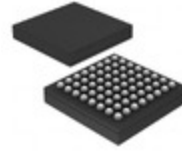

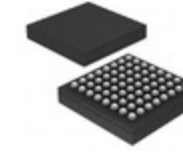
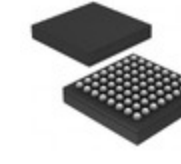
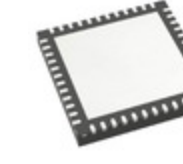
STM32L151xD,152xD Datasheet.pdf

PCN Assembly/Origin

STM32L1x 17/Nov/2022.pdf

Customers Also Interested in

Recommended Products

					
STM32L151R6H6 STMicroelectronics IC MCU 32BIT 32KB FLASH 64BGA	STM32L151R8T6A STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	STM32L151RBH6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64BGA	STM32L151CCU6 STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN	STM32L151QDH6 STMicroelectronics IC MCU 32BIT 384KB FLASH 132BGA	STM32L151CBU6A STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN
					
STM32L151QDH6/VG STMicroelectronics	STM32L151CBT6A STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32L151CBU6 STMicroelectronics IC MCU 32BIT 128KB FLSH 48UFQFPN	STM32L151QCH6 STMicroelectronics IC MCU 32BIT 256KB FLASH 132BGA	STM32L151CCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	STM32L151RBH6A STMicroelectronics IC MCU 32BIT 128KB FLASH 64TFBGA
					
STM32L151R6T6TR STMicroelectronics IC MCU 32BIT 32KB FLASH 64LQFP	STM32L151RBH6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 64BGA	STM32L151CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32L151R8H6 STMicroelectronics IC MCU 32BIT 64KB FLASH 64BGA	STM32L151RBH6ATR STMicroelectronics IC MCU 32BIT 128KB FLASH 64TFBGA	STM32L151CCU6TR STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN

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.

 Phone +00852 9146 4856	 Email info@allelco.com
--	--

Certifications & Memberships



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510

