STM32F103VBT6TR

Manufacturer Part Number	STM32F103VBT6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F103VBT6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 100LQFP
Package	100-LQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

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Image may be representation.
See specifications for product details.

STM32F103VBT6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F103VBT6TR datasheet/specifications on AllelcoElec.com. Request a quote for STM32F103VBT6TR, please send us email: info@allelco.com

Specifications

STM32F103VBT6TR Tech Specifications
STM32F103VBT6TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	80
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	20K x 8	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	STM32F103
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F103VBT6TR

Product Attribute		STM32F103VBT6TR	STM32F103VBT6	STM32F103TBU6	STM32F103VCT6
Part Number		STM32F103VBT6TR	STM32F103VBT6	STM32F103TBU6	STM32F103VCT6
Manufacturer		STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters		A/D 16x12b	A/D 16x12b	A/D 10x12b	A/D 16x12b; D/A 2x12b
Program Memory Type		FLASH	FLASH	FLASH	FLASH
Base Product Number		STM32F103	STM32F103	STM32F103	STM32F103
Core Processor		ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
EEPROM Size		-	-	-	-
Speed		72MHz	72MHz	72MHz	72MHz
Operating Temperature		-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type		Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series		STM32F1	STM32F1	STM32F1	STM32F1
Package		Tape & Reel (TR)	Tray	Tray	Tray
Core Size		32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O		80	80	26	80
Oscillator Type		Internal	Internal	Internal	Internal
Connectivity		CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB
Voltage - Supply (Vcc/Vdd)		2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Package / Case		100-LQFP	100-LQFP	36-VFQFN Exposed Pad	100-LQFP
Supplier Device Package		100-LQFP (14x14)	-	36-VFQFPN (6x6)	-
Peripherals		DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, Motor Control PWM, PDR, POR, PVD, PWM, Temp Sensor, WDT
Program Memory Size		128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	256KB (256K x 8)
RAM Size		20K x 8	20K x 8	20K x 8	48K x 8

STM32F103VBT6TR Datasheet PDF

Download STM32F103VBT6TR pdf datasheets and STMicroelectronics documentation for STM32F103VBT6TR - STMicroelectronics.

Datasheets

Cylindrical Battery Holders.pdf

PCN Packaging
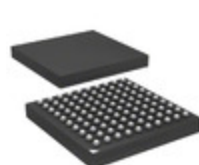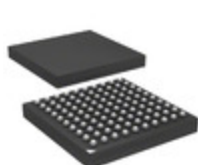
📄 2.73KHz.pdf

PCN Assembly/Origin

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PCN Design/Specification

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📄 STM32Fx 24/Jun/2022.pdf

◢ Customers Also Interested in

Recommended Products

STM32F103VBI6,32 STMicroelectronics	**STM32F103VBT6** STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	**STM32F103TBU6** STMicroelectronics IC MCU 32BIT 128KB FLSH 36VFQFPN
STM32F103VBT6,32 STMicroelectronics	**STM32F103VCT6** STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	**STM32F103VDH6** STMicroelectronics IC MCU 32BIT 384KB FLSH 100LFBGA
STM32F103VBT7 STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	**STM32F103T8U7TR** STMicroelectronics IC MCU 32BIT 64KB FLASH 36VFQFPN	**STM32F103VCT6,32** STMicroelectronics
STM32F103VCH6 STMicroelectronics IC MCU 32BIT 256KB FLSH 100LFBGA	**STM32F103VBI6** STMicroelectronics IC MCU 32BIT 128KB FLSH 100UFBGA	**STM32F103VBH6** STMicroelectronics IC MCU 32BIT 128KB FLASH 100BGA
STM32F103V8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP	**STM32F103VCT6TR** STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	**STM32F103VBH6,32** STMicroelectronics
STM32F103T8U7 STMicroelectronics IC MCU 32BIT 64KB FLASH 36VFQFPN	**STM32F103VCH6,32** STMicroelectronics	**STM32F103VDT6** STMicroelectronics IC MCU 32BIT 384KB 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.

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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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