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See specifications for product details.



STM32F303R8T6

Manufacturer Part Number	STM32F303R8T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F303R8T6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F303x6, x8.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32F303R8T6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F303R8T6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F303R8T6 Tech Specifications

STM32F303R8T6 - 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	64-LQFP (10x10)	Number of I/O	51
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F3	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 15x12b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I ² S, POR, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-LQFP	Base Product Number	STM32F303
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F303R8T6

Product Attribute				
Part Number	STM32F303R8T6	STM32F303CBT7	STM32F303RBT6	STM32F303K6T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	72MHz	72MHz	72MHz	72MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Data Converters	A/D 15x12b; D/A 1x12b	A/D 15x12b; D/A 2x12b	A/D 22x12b; D/A 2x12b	A/D 9x12b; D/A 3x12b
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Base Product Number	STM32F303	STM32F303	STM32F303	STM32F303
Package / Case	64-LQFP	48-LQFP	64-LQFP	32-LQFP
Peripherals	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT	DMA, I ² S, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	51	37	52	25
Supplier Device Package	64-LQFP (10x10)	48-LQFP (7x7)	64-LQFP (10x10)	32-LQFP (7x7)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART
RAM Size	16K x 8	32K x 8	32K x 8	16K x 8
Package	Tray	Tray	Tray	Tray
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	-	-	-	-
Series	STM32F3	STM32F3	STM32F3	STM32F3
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	128KB (128K x 8)	32KB (32K x 8)

STM32F303R8T6 Datasheet PDF

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PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

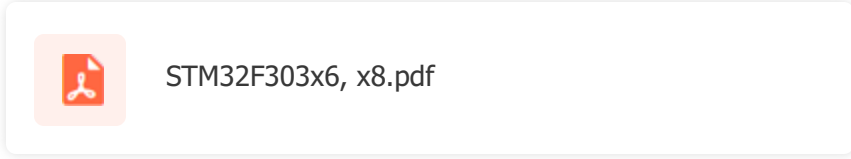
PCN Design/Specification

Mult Dev Assembly Chg 2/Jul/2019.pdf

MMS/15/9039 20/Jan/2015.pdf



HTML Datasheet



Customers Also Interested in

Recommended Products

STM32F303CBT7 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32F303RBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	STM32F303K6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP	STM32F303CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32F303CCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	STM32F303RBT7 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP
STM32F302ZET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP	STM32F303RET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP	STM32F303RCT7 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F303RCT6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F303RBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	STM32F303RET6TR STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP
STM32F303K8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 32LQFP	STM32F302VET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	STM32F303CBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32F303RCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32F303RDT6 STMicroelectronics IC MCU 32BIT 384KB FLASH 64LQFP	STM32F303C8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP

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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Efficient Supply Management	Cost-Saving Procurement	Fast Sourcing & Delivery
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Contact us if you have any questions.

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