STM32F103ZET6TR

Manufacturer Part Number	STM32F103ZET6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F103ZET6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 144LQFP
Package	144-LQFP
Data sheet	STM32F103ZET6TR.pdf
RoHS Status	ROHS3 Compliant

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See specifications for product details.

STM32F103ZET6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F103ZET6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F103ZET6TR Tech Specifications
STM32F103ZET6TR - 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	144-LQFP (20x20)	Number of I/O	112
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 21x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K 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	144-LQFP	Base Product Number	STM32F103
Package	Tape & Reel (TR)		

Parts with Similar Specifications
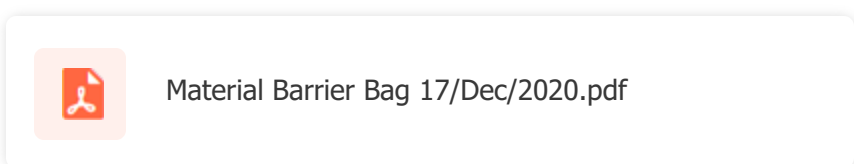
The three parts on the right have similar specifications to STMicroelectronics STM32F103ZET6TR

Product Attribute				
Part Number	STM32F103ZET6TR	STM32F103ZEH7	STM32F103ZDH6	STM32F103ZEH7TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Number of I/O	112	112	112	112
Speed	72MHz	72MHz	72MHz	72MHz
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
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
EEPROM Size	-	-	-	-
Package / Case	144-LQFP	144-LFBGA	144-LFBGA	144-LFBGA
Program Memory Size	512KB (512K x 8)	512KB (512K x 8)	384KB (384K x 8)	512KB (512K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	STM32F1	STM32F1	STM32F1	STM32F1
Base Product Number	STM32F103	STM32F103	STM32F103	STM32F103
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
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	144-LQFP (20x20)	144-LFBGA (10x10)	144-LFBGA (10x10)	144-LFBGA (10x10)
Data Converters	A/D 21x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b

STM32F103ZET6TR Datasheet PDF

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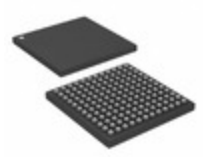
PCN Packaging

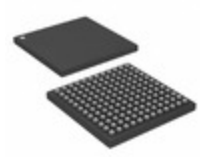Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

▣ Customers Also Interested in

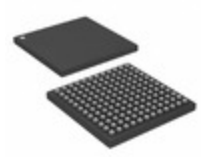### Recommended Products

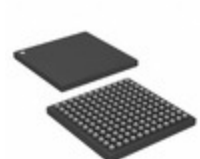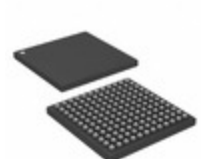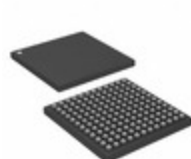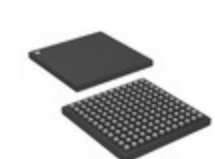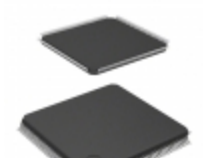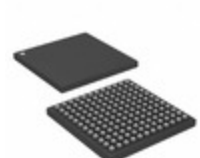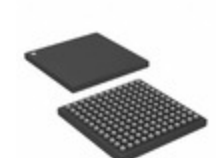|		
STM32F103ZEH7 STMicroelectronics IC MCU 32BIT 512KB FLSH 144LFBGA	**STM32F103ZDH6** STMicroelectronics IC MCU 32BIT 384KB FLSH 144LFBGA	**STM32F103ZEH7TR** STMicroelectronics IC MCU 32BIT 512KB FLSH 144LFBGA
STM32F103ZGT6 STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	**STM32F103ZGT6,32** STMicroelectronics	**Stm32f103zet6..** STMicroelectronics
STM32F103ZGT6TR STMicroelectronics IC MCU 32BIT 1MB FLASH 144LQFP	**STM32F103ZEH6TR** STMicroelectronics IC MCU 32BIT 512KB FLASH 144BGA	**STM32F103ZGH6** STMicroelectronics IC MCU 32BIT 1MB FLASH 144BGA
STM32F103ZEH6 STMicroelectronics IC MCU 32BIT 512KB FLASH 144BGA	**STM32F103ZFH6TR** STMicroelectronics IC MCU 32BIT 768KB FLASH 144LFBGA	**STM32F103ZET6** STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP
STM32F103ZFT6 STMicroelectronics IC MCU 32BIT 768KB FLASH 144LQFP	**STM32F103ZFH6** STMicroelectronics IC MCU 32BIT 768KB FLSH 144LFBGA	**STM32F103ZDT6** STMicroelectronics IC MCU 32BIT 384KB FLASH 144LQFP
STM32F103ZET7 STMicroelectronics IC MCU 32BIT 512KB FLASH 144LQFP	**STM32F105R8T6** STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	**STM32F103ZGH6TR** STMicroelectronics IC MCU 32BIT 1MB FLASH 144LFBGA

▣ 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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WESTERN UNION PayPal

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Cost-Saving Procurement

Fast Sourcing & Delivery

Contact us if you have any questions.

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Email
info@allelco.com

Certifications & Memberships

ISO 13485:2016 ISO 9001:2015 ISO 14001:2015

ISO 28000:2007 IPC Member SMTA

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