STM32F100ZET6B

Manufacturer Part Number	STM32F100ZET6B
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F100ZET6B
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 144LQFP
Package	144-LQFP
Data sheet	STM32F100xC,D,E Datasheet.pdf
RoHs Status	ROHS3 Compliant

Image may be representation.
See specifications for product details.

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STM32F100ZET6B - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F100ZET6B datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F100ZET6B Tech Specifications
STM32F100ZET6B - 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	24MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 16x12b; 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, PDR, POR, PVD, PWM, Temp Sensor, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	144-LQFP	Base Product Number	STM32F100
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F100ZET6B

Product Attribute				
Part Number	STM32F100ZET6B	STM32F100VDT6	STM32F100VCT6BTR	STM32F100VDT6BTR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Package / Case	144-LQFP	100-LQFP	100-LQFP	100-LQFP
RAM Size	32K x 8	32K x 8	24K x 8	32K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	144-LQFP (20x20)	100-LQFP (14x14)	100-LQFP (14x14)	100-LQFP (14x14)
Series	STM32F1	STM32F1	STM32F1	STM32F1
Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	24MHz	24MHz	24MHz	24MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Program Memory Size	512KB (512K x 8)	384KB (384K x 8)	256KB (256K x 8)	384KB (384K x 8)
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	112	80	80	80
Base Product Number	STM32F100	STM32F100	STM32F100	STM32F100

STM32F100ZET6B Datasheet PDF

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HTML Datasheet

STM32F100xC,D,E Datasheet.pdf

PCN Packaging

2.73KHz.pdf

PCN Design/Specification
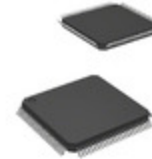
📄 STM32F100 DataSheet/Errata Update 22/Apr/2016.pdf

PCN Assembly/Origin

📄 2.73KHz.pdf

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STM32F101C6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F100VCT6B** STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	**STM32F101** STMicroelectronics
STM32F101C6T6A STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F101B6** STMicroelectronics	**STM32F100VDT6B** STMicroelectronics IC MCU 32BIT 384KB FLASH 100LQFP
STM32F101C6T6ATR STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	**STM32F101C8T6** STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	**STM32F101C4T6A,32** STMicroelectronics
STM32F100ZCT6B STMicroelectronics IC MCU 32BIT 256KB FLASH 144LQFP	**STM32F100VET6** STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	**STM32F100VET6B** STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP
STM32F100ZET6BTR,32 STMicroelectronics	**STM32F101C4T6A** STMicroelectronics IC MCU 32BIT 16KB FLASH 48LQFP	**STM32F100VCT6,32** STMicroelectronics

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▌ 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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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

Email: info@Allelco.com