

Image may be representation.
See specifications for product details.



STM32F101ZET6

Manufacturer Part Number	STM32F101ZET6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F101ZET6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 144LQFP
Package	144-LQFP
Data sheet	STM32F101ZET6.pdf
RoHS Status	ROHS3 Compliant

Get a Quote

STM32F101ZET6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F101ZET6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F101ZET6 Tech Specifications
STM32F101ZET6 - 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)
Speed	36MHz	Number of I/O	112
Series	STM32F1	Mounting Type	Surface Mount
RAM Size	48K x 8	EEPROM Size	-
Program Memory Type	FLASH	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Size	512KB (512K x 8)	Core Size	32-Bit Single-Core
Peripherals	DMA, PDR, POR, PVD, PWM, Temp Sensor, WDT	Core Processor	ARM® Cortex®-M3
Package / Case	144-LQFP	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package	Tray	Base Product Number	STM32F101

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F101ZET6

Product Attribute				
Part Number	STM32F101ZET6	STM32F101ZCT6	STM32F101ZDT6	STM32F101VDT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F1	STM32F1	STM32F1	STM32F1
RAM Size	48K x 8	32K x 8	48K x 8	48K x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	112	112	112	80
Speed	36MHz	36MHz	36MHz	36MHz
Program Memory Size	512KB (512K x 8)	256KB (256K x 8)	384KB (384K x 8)	384KB (384K x 8)
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
Package	Tray	Tray	Tray	Tray
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	STM32F101	STM32F101	STM32F101	STM32F101
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
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
EEPROM Size	-	-	-	-
Package / Case	144-LQFP	144-LQFP	144-LQFP	100-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

STM32F101ZET6 Datasheet PDF

Download STM32F101ZET6 pdf datasheets and STMicroelectronics documentation for STM32F101ZET6 - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

Mult Dev Assembly Source Add 5/Mar/2019.pdf

Customers Also Interested in

Recommended Products



STM32F101ZCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH
144LQFP



STM32F101ZDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH
144LQFP



STM32F101VDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH
100LQFP



STM32F102C6T6A,32

STMicroelectronics



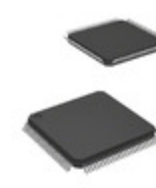
STM32F102C6T6ATR

STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP



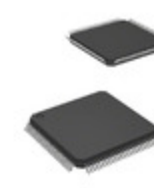
STM32F101VCT6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH
100LQFP



STM32F101VCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH
100LQFP



STM32F101VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP



STM32F101VCT6,32

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STM32F102C6T6A

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IC MCU 32BIT 32KB FLASH 48LQFP



STM32F102C4T6A

STMicroelectronics
IC MCU 32BIT 16KB FLASH 48LQFP



STM32F101ZGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 144LQFP



STM32F101VFT6

STMicroelectronics
IC MCU 32BIT 768KB FLASH
100LQFP



STM32F102C8T6

STMicroelectronics
IC MCU 32BIT 64KB FLASH 48LQFP



STM32F101VBT6,32

STMicroelectronics



STM32F102CBT6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 48LQFP



STM32F101VET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH
100LQFP



STM32F102C8T6TR

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,
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Procurement



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