



Image may be representation.
See specifications for product details.



STM32F101C8T6

Manufacturer Part Number	STM32F101C8T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F101C8T6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32F101x8, STM32F101xB.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32F101C8T6 Tech Specifications

STM32F101C8T6 - 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	48-LQFP (7x7)	Number of I/O	37
Speed	36MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	10K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K 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	48-LQFP	Base Product Number	STM32F101
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F101C8T6

Product Attribute				
Part Number	STM32F101C8T6	STM32F101C6T6A	STM32F100ZCT6B	STM32F101CBT6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	STM32F1	STM32F1	STM32F1	STM32F1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	64KB (64K x 8)	32KB (32K x 8)	256KB (256K x 8)	128KB (128K x 8)
Speed	36MHz	36MHz	24MHz	36MHz
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	144-LQFP (20x20)	48-LQFP (7x7)
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
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
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	STM32F101	STM32F101	STM32F100	STM32F101
Package	Tray	Tray	Tray	Tape & Reel (TR)
RAM Size	10K x 8	6K x 8	24K x 8	16K x 8
Package / Case	48-LQFP	48-LQFP	144-LQFP	48-LQFP
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Number of I/O	37	37	112	37
Data Converters	A/D 10x12b	A/D 10x12b	A/D 16x12b; D/A 2x12b	A/D 10x12b
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

STM32F101C8T6 Datasheet PDF

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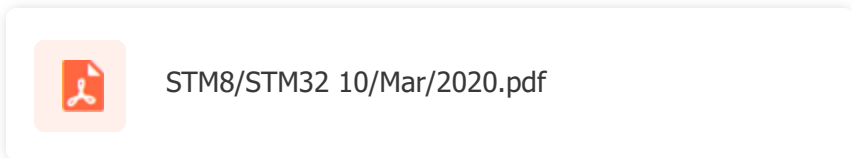
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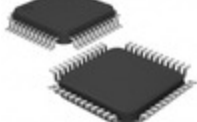








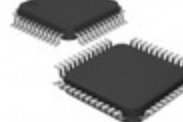

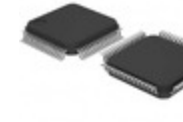


HTML Datasheet



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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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