STM32F101C6T6ATR

Manufacturer Part Number	STM32F101C6T6ATR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F101C6T6ATR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 32KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM32F101x(4,6) Datasheet.pdf
RoHs Status	ROHS3 Compliant

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Image may be representation.
See specifications for product details.

STM32F101C6T6ATR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32F101C6T6ATR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32F101C6T6ATR Tech Specifications
STM32F101C6T6ATR - 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	6K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	32KB (32K 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	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F101C6T6ATR

Product Attribute				
Part Number	STM32F101C6T6ATR	STM32F101R4T6A	STM32F101CBT6TR	STM32F100ZCT6B
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F1	STM32F1	STM32F1	STM32F1
Supplier Device Package	48-LQFP (7x7)	64-LQFP (10x10)	48-LQFP (7x7)	144-LQFP (20x20)
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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
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
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
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tray
Base Product Number	STM32F101	STM32F101	STM32F101	STM32F100
RAM Size	6K x 8	4K x 8	16K x 8	24K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Speed	36MHz	36MHz	36MHz	24MHz
Data Converters	A/D 10x12b	A/D 16x12b	A/D 10x12b	A/D 16x12b; D/A 2x12b
Program Memory Size	32KB (32K x 8)	16KB (16K x 8)	128KB (128K x 8)	256KB (256K x 8)
Number of I/O	37	51	37	112
Package / Case	48-LQFP	64-LQFP	48-LQFP	144-LQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V

STM32F101C6T6ATR Datasheet PDF

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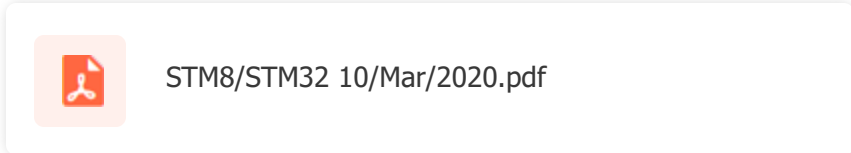
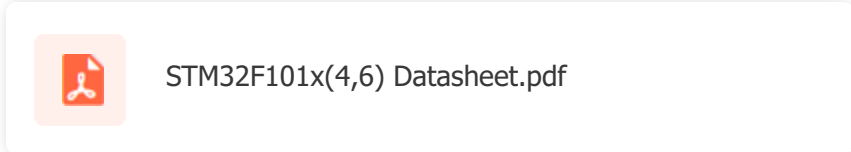## PCN Packaging

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Recommended Products

STM32F101R4T6A	**STM32F101CBT6TR**	**STM32F100ZCT6B**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 32BIT 16KB FLASH 64LQFP	IC MCU 32BIT 128KB FLASH 48LQFP	IC MCU 32BIT 256KB FLASH 144LQFP

STM32F101C6T6	**STM32F101R6T6A**	**STM32F100ZET6B**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 32BIT 32KB FLASH 48LQFP	IC MCU 32BIT 32KB FLASH 64LQFP	IC MCU 32BIT 512KB FLASH 144LQFP

STM32F101B6	**STM32F101R6T6**	**STM32F101CBT6**
STMicroelectronics	STMicroelectronics	STMicroelectronics
	IC MCU 32BIT 32KB FLASH 64LQFP	IC MCU 32BIT 128KB FLASH 48LQFP

STM32F101C8T6	**STM32F101C4T6A,32**	**STM32F101C8T6,32**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 32BIT 64KB FLASH 48LQFP		

STM32F101	**STM32F101C6T6A**	**STM32F101R8T6**
STMicroelectronics	STMicroelectronics	STMicroelectronics
	IC MCU 32BIT 32KB FLASH 48LQFP	IC MCU 32BIT 64KB FLASH 64LQFP

STM32F101R8T6TR	**STM32F101C4T6A**	**STM32F100ZET6BTR,32**
STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 32BIT 64KB FLASH 64LQFP	IC MCU 32BIT 16KB 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.

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