



Image may be representation.  
See specifications for product details.



## STM32F101R4T6A

Manufacturer Part Number	<a href="#">STM32F101R4T6A</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STM32F101R4T6A
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 16KB FLASH 64LQFP
Package	64-LQFP
Data sheet	<a href="#">STM32F101x(4,6) Datasheet.pdf</a>
RoHs Status	ROHS3 Compliant

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### Specifications

STM32F101R4T6A Tech Specifications

STM32F101R4T6A - 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	64-LQFP (10x10)	Number of I/O	51
Speed	36MHz	Mounting Type	Surface Mount
Series	STM32F1	EEPROM Size	-
RAM Size	4K x 8	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	16KB (16K 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	64-LQFP	Base Product Number	STM32F101
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F101R4T6A

Product Attribute				
Part Number	STM32F101R4T6A	<a href="#">STM32F101C4T6A</a>	<a href="#">STM32F101C6T6A</a>	<a href="#">STM32F101RBT6</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Series	STM32F1	STM32F1	STM32F1	STM32F1
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	STM32F101	STM32F101	STM32F101	STM32F101
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
Supplier Device Package	64-LQFP (10x10)	48-LQFP (7x7)	48-LQFP (7x7)	64-LQFP (10x10)
Package / Case	64-LQFP	48-LQFP	48-LQFP	64-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
Number of I/O	51	37	37	51
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
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
Speed	36MHz	36MHz	36MHz	36MHz
Data Converters	A/D 16x12b	A/D 10x12b	A/D 10x12b	A/D 16x12b
RAM Size	4K x 8	4K x 8	6K x 8	16K x 8
Program Memory Size	16KB (16K x 8)	16KB (16K x 8)	32KB (32K x 8)	128KB (128K x 8)
EEPROM Size	-	-	-	-
Package	Tray	Tray	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH

### STM32F101R4T6A Datasheet PDF

Download STM32F101R4T6A pdf datasheets and STMicroelectronics documentation for STM32F101R4T6A - STMicroelectronics.

#### PCN Packaging

2.73KHz.pdf

#### PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf



STM32F101x(4,6) Datasheet.pdf

## Customers Also Interested in

### Recommended Products

**STM32F101C4T6A**STMicroelectronics  
IC MCU 32BIT 16KB FLASH 48LQFP**STM32F101C6T6A**STMicroelectronics  
IC MCU 32BIT 32KB FLASH 48LQFP**STM32F101RBT6**STMicroelectronics  
IC MCU 32BIT 128KB FLASH 64LQFP**STM32F101CBT6**STMicroelectronics  
IC MCU 32BIT 128KB FLASH 48LQFP**STM32F101R8T6TR**STMicroelectronics  
IC MCU 32BIT 64KB FLASH 64LQFP**STM32F101R8T6**STMicroelectronics  
IC MCU 32BIT 64KB FLASH 64LQFP**STM32F101C6T6ATR**STMicroelectronics  
IC MCU 32BIT 32KB FLASH 48LQFP**STM32F101C8T6**STMicroelectronics  
IC MCU 32BIT 64KB FLASH 48LQFP**STM32F101C6T6**STMicroelectronics  
IC MCU 32BIT 32KB FLASH 48LQFP**STM32F101C8T6,32**

STMicroelectronics

**STM32F101CBT6,32**

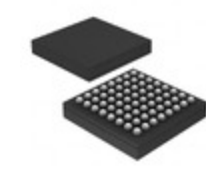
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**STM32F101C4T6A,32**

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**STM32F101RBH6,32**

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**STM32F101RBT6TR**STMicroelectronics  
IC MCU 32BIT 128KB FLASH 64LQFP**STM32F101R6T6**STMicroelectronics  
IC MCU 32BIT 32KB FLASH 64LQFP**STM32F101CBT6TR**STMicroelectronics  
IC MCU 32BIT 128KB FLASH 48LQFP**STM32F101RBH6**STMicroelectronics  
IC MCU 32BIT 128KB FLASH 64BGA**STM32F101R6T6A**STMicroelectronics  
IC MCU 32BIT 32KB FLASH 64LQFP

## 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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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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