



Image may be representation.  
See specifications for product details.



## STM32L011E4Y6TR

Manufacturer Part Number	<b>STM32L011E4Y6TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L011E4Y6TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 16KB FLASH 25WLCSP
Package	25-UFBGA, WLCSP
Data sheet	<b>STM32L011x3, STM32L011x4.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STM32L011E4Y6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L011E4Y6TR datasheet/specifications on AllelcoElec.com.  
Request a quote for STM32L011E4Y6TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STM32L011E4Y6TR Tech Specifications  
STM32L011E4Y6TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	25-WLCSP	Number of I/O	21
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L0	EEPROM Size	512 x 8
RAM Size	2K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	16KB (16K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART
Package / Case	25-UFBGA, WLCSP	Base Product Number	STM32L011
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L011E4Y6TR

Product Attribute				
Part Number	STM32L011E4Y6TR	<b>STM32L010K8T6</b>	<b>STM32L011G4U6</b>	<b>STM32L011D3P6TR</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	STM32L011	STM32L010	STM32L011	STM32L011
Number of I/O	21	25	24	11
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 4x12b
Speed	32MHz	32MHz	32MHz	32MHz
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	25-WLCSP	32-LQFP (7x7)	28-UFQFPN (4x4)	14-TSSOP
Connectivity	I <sup>2</sup> C, IrDA, SPI, UART/USART	I <sup>2</sup> C, IrDA, SPI, UART/USART	I <sup>2</sup> C, IrDA, SPI, UART/USART	I <sup>2</sup> C, IrDA, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	STM32L0	STM32L0	STM32L0	STM32L0
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Package / Case	25-UFBGA, WLCSP	32-LQFP	28-UFQFN	14-TSSOP (0.173", 4.40mm Width)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
EEPROM Size	512 x 8	256 x 8	512 x 8	512 x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	2K x 8	8K x 8	2K x 8	2K x 8
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	16KB (16K x 8)	64KB (64K x 8)	16KB (16K x 8)	8KB (8K x 8)
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.8V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V

### STM32L011E4Y6TR Datasheet PDF

Download STM32L011E4Y6TR pdf datasheets and STMicroelectronics documentation for STM32L011E4Y6TR - STMicroelectronics.

#### HTML Datasheet


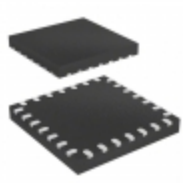





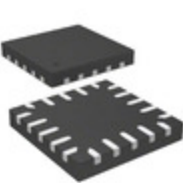


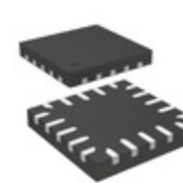
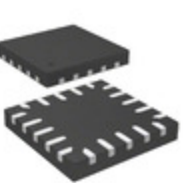
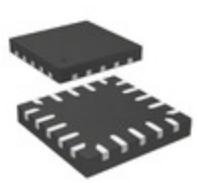



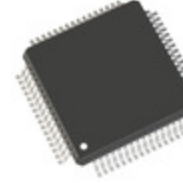

[STM32L011x3, STM32L011x4.pdf](#)

#### PCN Assembly/Origin

[STM32YYY 17/Apr/2019.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>STM32L010K8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 32LQFP	<b>STM32L011G4U6</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 28UFQFPN	<b>STM32L011D3P6TR</b> STMicroelectronics IC MCU 32BIT 8KB FLASH 14TSSOP	<b>STM32L011D4P6TR</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 14TSSOP	<b>STM32L010R8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	<b>STM32L010F4P6TR</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP
					
<b>STM32L011D3P6</b> STMicroelectronics IC MCU 32BIT 8KB FLASH 14TSSOP	<b>STM32L011F4U3TR</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 20UFQFPN	<b>STM32L011F4P6TR</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP	<b>STM32L011F4P6</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 20TSSOP	<b>STM32L011F3U3TR</b> STMicroelectronics IC MCU 32BIT 8KB FLASH 20UFQFPN	<b>STM32L011F4U6TR</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 20UFQFPN
					
<b>STM32L011F3U6TR</b> STMicroelectronics IC MCU 32BIT 8KB FLASH 20UFQFPN	<b>STM32L010RBT6TR</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	<b>STM32L010K4T6</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 32LQFP	<b>STM32L011D4P6</b> STMicroelectronics IC MCU 32BIT 16KB FLASH 14TSSOP	<b>STM32L010RBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	<b>STM32L011F3P6TR</b> STMicroelectronics IC MCU 32BIT 8KB FLASH 20TSSOP

## 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, PayPal.



### Your Faithful Supply Chain Partner -

		
Efficient Supply Management	Cost-Saving Procurement	Fast Sourcing & Delivery

Contact us if you have any questions.

	
Phone +00852 9146 4856	Email info@allelco.com

### Certifications & Memberships



View More