

Image may be representation.
See specifications for product details.



STM32L051T8Y6DTR

Manufacturer Part Number	STM32L051T8Y6DTR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L051T8Y6DTR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 36WLCSP
Package	36-UFBGA, WLCSP
Data sheet	STM32L051x6, x8 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32L051T8Y6DTR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L051T8Y6DTR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L051T8Y6DTR Tech Specifications
STM32L051T8Y6DTR - 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	36-WLCSP	Number of I/O	29
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L0	EEPROM Size	2K x 8
RAM Size	8K 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®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART
Package / Case	36-UFBGA, WLCSP	Base Product Number	STM32L051
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L051T8Y6DTR

Product Attribute				
Part Number	STM32L051T8Y6DTR	STM32L051R8T6	STM32L052K8U6TR	STM32L052C8T7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Connectivity	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART, USB	I²C, IrDA, SPI, UART/USART, USB
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Supplier Device Package	36-WLCSP	64-LQFP (10x10)	32-UFQFPN (5x5)	48-LQFP (7x7)
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Data Converters	A/D 10x12b	A/D 16x12b	A/D 10x12b; D/A 1x12b	A/D 10x12b; D/A 1x12b
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Package / Case	36-UFBGA, WLCSP	64-LQFP	32-UFQFN Exposed Pad	48-LQFP
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tray
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Number of I/O	29	51	27	37
Series	STM32L0	STM32L0	STM32L0	STM32L0
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	STM32L051	STM32L051	STM32L052	STM32L052

STM32L051T8Y6DTR Datasheet PDF

Download STM32L051T8Y6DTR pdf datasheets and STMicroelectronics documentation for STM32L051T8Y6DTR - STMicroelectronics.


PCN Design/Specification

[Datasheet Chg 07/Mar/2016.pdf](#)

[Die redesign/Mask set Chg 23/Feb/2016.pdf](#)

HTML Datasheet

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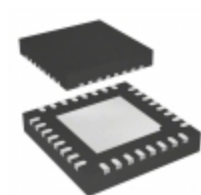
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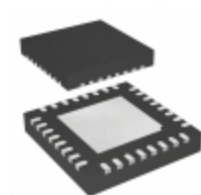
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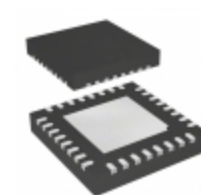
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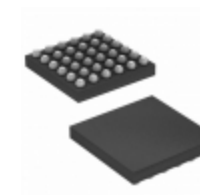
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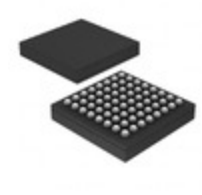
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STM32L051T8Y6TR

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IC MCU 32BIT 64KB FLASH 36WLCSP



STM32L051R6H6

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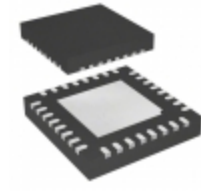
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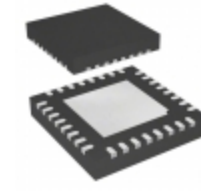
STM32L051K8U6,32

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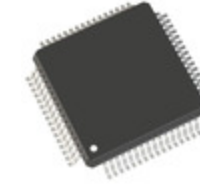
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IC MCU 32BIT 64KB FLASH 32UFQFPN



STM32L052K8U6

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STM32L051R8T6TR

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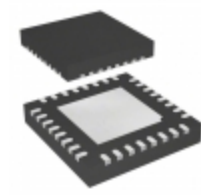
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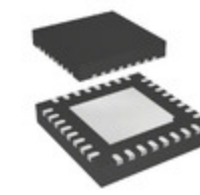
STM32L051K8U7

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STM32L052C8T6D

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STM32L052K6U6

STMicroelectronics
IC MCU 32BIT 32KB FLASH 32UFQFPN

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

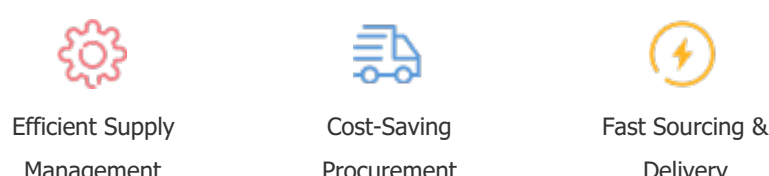
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

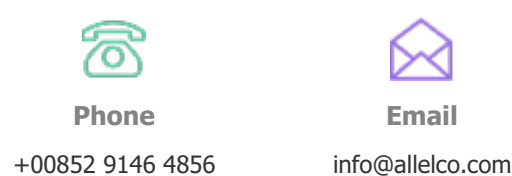
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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