

Image may be representation.
See specifications for product details.



STM8L152K6U6

Manufacturer Part Number	STM8L152K6U6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM8L152K6U6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 32KB FLASH 32UFQFPN
Package	32-UFQFN Exposed Pad
Data sheet	STM8L15xx4, xx6 Datasheet.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM8L152K6U6 Tech Specifications

STM8L152K6U6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	32-UFQFPN (5x5)	Number of I/O	29
Speed	16MHz	Mounting Type	Surface Mount
Series	STM8L EnergyLite	EEPROM Size	1K x 8
RAM Size	2K x 8	Data Converters	A/D 21x12b; D/A 1x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	STM8
Peripherals	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT	Connectivity	I ² C, IrDA, SPI, UART/USART
Package / Case	32-UFQFN Exposed Pad	Base Product Number	STM8
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8L152K6U6

Product Attribute				
Part Number	STM8L152K6U6	STM8L162M8T6	STM8L152R8T6	STM8L152K4T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	16MHz	16MHz	16MHz	16MHz
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	1K x 8	2K x 8	2K x 8	1K 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	4K x 8	4K x 8	2K x 8
Core Processor	STM8	STM8	STM8	STM8
Package / Case	32-UFQFN Exposed Pad	80-LQFP	64-LQFP	32-LQFP
Connectivity	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART
Series	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite
Base Product Number	STM8	STM8	STM8	STM8
Supplier Device Package	32-UFQFPN (5x5)	80-LQFP (14x14)	64-LQFP (10x10)	32-LQFP (7x7)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	32KB (32K x 8)	64KB (64K x 8)	64KB (64K x 8)	16KB (16K x 8)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Number of I/O	29	68	54	29
Package	Tray	Tray	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 21x12b; D/A 1x12b	A/D 28x12b; D/A 2x12b	A/D 28x12b; D/A 2x12b	A/D 21x12b; D/A 1x12b
Peripherals	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT

STM8L152K6U6 Datasheet PDF

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PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)








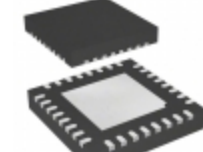


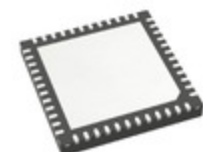
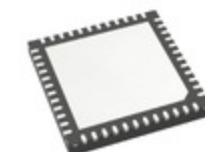






HTML Datasheet

[STM8L15xx4, xx6 Datasheet.pdf](#)

 Mult Dev Source Add 17/Nov/2020.pdf

Customers Also Interested in

Recommended Products

					
STM8L162M8T6 STMicroelectronics IC MCU 8BIT 64KB FLASH 80LQFP	STM8L152R8T6 STMicroelectronics IC MCU 8BIT 64KB FLASH 64LQFP	STM8L152K4T6 STMicroelectronics IC MCU 8BIT 16KB FLASH 32LQFP	STM8L152C6T6,32 STMicroelectronics	STM8S001J3M3 STMicroelectronics IC MCU 8BIT 8KB FLASH 8SO	STM8L152K6T6 STMicroelectronics IC MCU 8BIT 32KB FLASH 32LQFP
					
STM8L152R6T6 STMicroelectronics IC MCU 8BIT 32KB FLASH 64LQFP	STM8L152K4U6 STMicroelectronics IC MCU 8BIT 16KB FLASH 32UFQFPN	STM8L162R8T6 STMicroelectronics IC MCU 8BIT 64KB FLASH 64LQFP	STM8L152C8T6 STMicroelectronics IC MCU 8BIT 64KB FLASH 48LQFP	STM8L152C8U6 STMicroelectronics IC MCU 8BIT 64KB FLASH 48UFQFPN	STM8L152C6U6 STMicroelectronics IC MCU 8BIT 32KB FLASH 48UFQFPN
					
STM8L152K4T6TR STMicroelectronics IC MCU 8BIT 16KB FLASH 32LQFP	STM8L152M8T6TR STMicroelectronics IC MCU 8BIT 64KB FLASH 80LQFP	STM8L152C6T6TR STMicroelectronics IC MCU 8BIT 32KB FLASH 48LQFP	STM8S001J3M3TR STMicroelectronics IC MCU 8BIT 8KB FLASH 8SO	STM8L152C8T6TR STMicroelectronics IC MCU 8BIT 64KB FLASH 48LQFP	STM8L152M8T6 STMicroelectronics IC MCU 8BIT 64KB FLASH 80LQFP

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

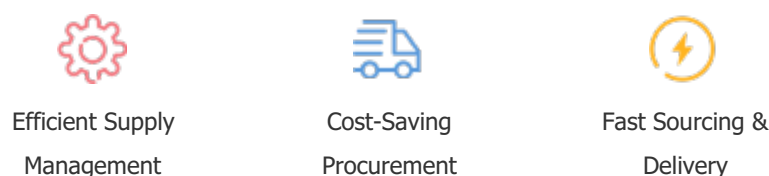
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

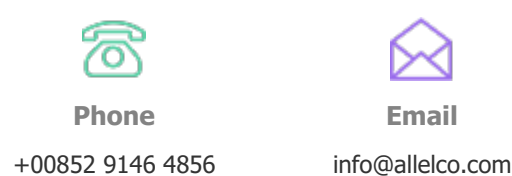
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Contact us if you have any questions.



Certifications & Memberships



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