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See specifications for product details.



## STM32F301K8U6

Manufacturer Part Number	<b>STM32F301K8U6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F301K8U6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 32UFQFPN
Package	32-UFQFN Exposed Pad
Data sheet	<b>STM32F301x6, 301x8.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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### Specifications

STM32F301K8U6 Tech Specifications

STM32F301K8U6 - 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	32-UFQFPN (5x5)	Number of I/O	24
Speed	72MHz	Mounting Type	Surface Mount
Series	STM32F3	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 11x12b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	32-UFQFN Exposed Pad	Base Product Number	STM32F301
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F301K8U6

Product Attribute				
Part Number	STM32F301K8U6	STM32F302C8T7	STM32F301K6T6TR	STM32F301K8U6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F3	STM32F3	STM32F3	STM32F3
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Speed	72MHz	72MHz	72MHz	72MHz
Data Converters	A/D 11x12b; D/A 1x12b	A/D 11x12b; D/A 1x12b	A/D 8x12b; D/A 1x12b	A/D 11x12b; D/A 1x12b
Base Product Number	STM32F301	STM32F302	STM32F301	STM32F301
RAM Size	16K x 8	16K x 8	16K x 8	16K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	32-UFQFPN (5x5)	48-LQFP (7x7)	32-LQFP (7x7)	32-UFQFPN (5x5)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tape & Reel (TR)	Tape & Reel (TR)
Peripherals	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT	DMA, I²S, POR, PWM, WDT
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
EEPROM Size	-	-	-	-
Number of I/O	24	37	25	24
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	32KB (32K x 8)	64KB (64K x 8)
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Package / Case	32-UFQFN Exposed Pad	48-LQFP	32-LQFP	32-UFQFN Exposed Pad
Oscillator Type	Internal	Internal	Internal	Internal

### STM32F301K8U6 Datasheet PDF

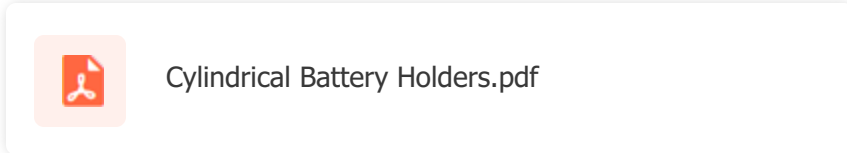
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#### PCN Packaging

2.73KHz.pdf

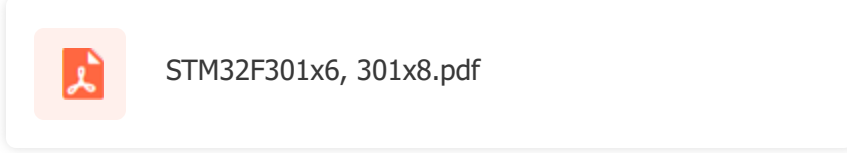
#### PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf



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<b>STM32F301K6U6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 32UFQFPN	<b>STM32F301K8T6</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 32LQFP	<b>STM32F301K8T7</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 32LQFP	<b>STM32F302CBT6TR,32</b> STMicroelectronics	<b>STM32F301C8Y6TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 49WLCSP	<b>STM32F301C8T6TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP

Shipment

Delivery Time

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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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Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Efficient Supply Management	Cost-Saving Procurement	Fast Sourcing & Delivery
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Contact us if you have any questions.

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