

STM32L041K6U7

STM32L041K6U7 Information

Contraction of the second seco	 STM32L041K6U7 STMicroelectronics Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 32KB FLASH 32QFPN 32-UFQFN Exposed Pad For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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STM32L041K6U7 Specifications

Manufacturer Part Number STM32L041K6U7 Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 32-UFQFN Exposed Pad Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32-WIZ Connectivity Erown-out Detect/Reset, DMA, POR, PWM, WDT Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 27 Program Memory Size 3KB (32K x 8) Porgram Memory Type FLASH KAM Size K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Operating Temperature 4.0°C ~ 105°C (TA) Mounting Type - Package / Case 32-UFQFPN (Sx5)			
CategoryIntegrated Circuits (ICS)Embedded - MicrocontrollersPackage32-UFQFN Exposed PadSeriesSTM32 L0Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed32/HIzConnectivityICC, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory SizeIKA SAFARM SizeIKX SVoltage - Supply (Vcc/Vdd)ISV ~ 3.6 VData ConvertersADJ 10x12bOperating Temperature4.0°C ~ 105°C (TA)Mounting Type5.2Package / Case32-UFQFN (Szs)Supplier Device Package32-UFQFN (Szs)	Manufacturer Part Number	STM32L041K6U7	
Embedded - MicrocontrollersPackage32-UFQFN Exposed PadSeriesSTM32 L0Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type52UFQFN Exposed PadSupplier Device Package32UFQFN (55)	Manufacturer	STMicroelectronics	
Package32-UFQFN Exposed PadSeriesSTM32 L0Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed32MHzConectivityCC, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Porgram Memory SizeSIXB (32K x 8)FRASMKX 8RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type5.2 UFQFPN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Category	Integrated Circuits (ICs)	
SeriesSTM32 L0Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature40°C ~ 105°C (TA)Mounting Type32-UFQFN (Sz5)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed32MHzConnectivity12C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator Type-Porgating Temperature-Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Package	32-UFQFN Exposed Pad	
Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM SizeNK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 10x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFPN (Sz5)	Series	STM32 L0	
Speed32MHzConnectivityIC, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM SizeK x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Core Processor	ARM? Cortex?-M0+	
FreeInternationalConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator Type-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN (5x5)Supplier Device Package32-UFQFN (5x5)	Speed	32MHz	
Number of I/O27Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Connectivity	I2C, IrDA, LIN, SPI, UART/USART	
Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size1K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Number of I/O	27	
EEPROM SizeIK x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Program Memory Size	32KB (32K x 8)	
RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	EEPROM Size	1K x 8	
Data ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	RAM Size	8K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFN (5x5)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V	
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Data Converters	A/D 10x12b	
Mounting Type-Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Oscillator Type	Internal	
Package / Case32-UFQFN Exposed PadSupplier Device Package32-UFQFPN (5x5)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package32-UFQFPN (5x5)	Mounting Type	-	
	Package / Case	32-UFQFN Exposed Pad	
Report error	Supplier Device Package	32-UFQFPN (5x5)	
1			Report errors?

STM32L041K6U7 Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

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Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

STM32L041K6U7 Payment Methods





If you have any question about STM32L041K6U7, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com