

STM32L052K8T7

STM32L052K8T7 Information

www.hereene.com	Part Number Manufacturer Category	STM32L052K8T7 STMicroelectronics Integrated Circuits (ICs) Embedded - Microcontrollers	
	Description Package	IC MCU 32BIT 64KB FLASH 32LQFP 32-LQFP For the pricing/inventory/lead time, please contact	
For Reference Only		website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



STM32L052K8T7 Specifications

Anufacturer STMicroelectronics Anufacturer STMicroelectronics Benbedded - Microcontrollers Embedded - Microcontrollers ackage 32-LQFP eries STM32 L0 core Processor ARM? Cortex?-M0+ core Size 32-Bit peed 32MHz connectivity IzC, IrDA, SPI, UART/USART, USB veripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT veripherals 64KB (64K x 8) rogram Memory Size 64KB (64K x 8) veriphon Size 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) Internal voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) Internal voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V voltage - Supply (Vcc/Vdd) 1.65 V ~ 3.6 V <		
LategoryIntegrated Circuits (ICs)Embedded - Microcontrollersackage32-LQFPeriesSTM32 L0Core ProcessorARM? Cortex?-M0+Core Size32-Bitpeed32MHzConnectivityI2C, IrDA, SPI, UART/USART, USBVeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTVorgam Memory Size64KB (64K x 8)Corgam Memory TypeFLASHVoltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VVoltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VVoltage - Supply (Vcc/Vdd)InternalVoltage TypeInternalVoltage Type4.0°C ~ 105°C (TA)Voltagi Type-	Manufacturer Part Number	STM32L052K8T7
Enhedded - Microcontrollersackage32-LQFPeriesSTM32 L0bore ProcessorARM? Cortex?-M0+core Size32-Bitpeed32MHzconnectivityI2C, IrDA, SPI, UART/USART, USBberipheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTAumber of I/O27trogram Memory Size64KB (64K x 8)tePROM Size2K x 8KAM Size8K x 8Add ConvertersA/D 10x12b, D/A 1x12bData Converters-40°C ~ 105°C (TA)Aunting Type-	Manufacturer	STMicroelectronics
ackage32-LQFPeriesSTM32 L0core ProcessorARM? Cortex?-M0+core Size32-Bitpeed32MHzconnectivityI2C, IrDA, SPI, UART/USART, USBcore of I/O27trogram Memory Size64KB (64K x 8)tZPROM Size2K x 8EVEROM SizeKx s8ConvertersAKD 10x12b, D/A 1x12bData ConvertersA/D 10x12b, D/A 1x12bDepending Temperature-40°C ~ 105°C (TA)Aunting Type-	Category	Integrated Circuits (ICs)
ARM? Cortex?-M0+Core ProcessorARM? Cortex?-M0+Core Size32-Bitpeed32MHzConnectivityI2C, IrDA, SPI, UART/USART, USBCornectivityBrown-out Detect/Reset, DMA, POR, PWM, WDTVamber of I/O27Arogram Memory Size64KB (64K x 8)Cortegar Memory TypeFLASHEPROM Size2K x 8AM Size8K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VActorvertersA/D 10x12b, D/A 1x12bDerating Temperature-40°C ~ 105°C (TA)Aunting Type-		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M0+Core Size32-Bitpeed32MHzConnectivityI2C, IrDA, SPI, UART/USART, USBConnectivityI2C, IrDA, SPI, UART/USART, USBVeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTVumber of I/O27Arogram Memory Size64KB (64K x 8)Program Memory TypeFLASHEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VAta ConvertersA/D 10x12b, D/A 1x12bDerating Temperature-40°C ~ 105°C (TA)Mounting Type-	Package	32-LQFP
Core Size32-Bitpeed32MHzConnectivityI2C, IrDA, SPI, UART/USART, USBbereipheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTbereipherals64KB (64K x 8)brogram Memory Size64KB (64K x 8)brogram Memory TypeFLASHberePROM Size2K x 8brogram Verce/Vdd)1.65 V ~ 3.6 Vboard ConvertersA/D 10x12b, D/A 1x12bboard TypeInternalboard Type-brogram Size-	Series	STM32 L0
peed32MHzConnectivityI2C, IrDA, SPI, UART/USART, USBberipheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTAumber of I/O27brogram Memory Size64KB (64K x 8)brogram Memory TypeFLASHCEPROM Size2K x 8&AM Size8K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bDerating Temperature-40°C ~ 105°C (TA)Aunting Type-	Core Processor	ARM? Cortex?-M0+
ProductionFinalConnectivityI2C, IrDA, SPI, UART/USART, USBVeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Vorogram Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VOtage - Supply (Vcc/Vdd)InternalOperating Temperature-40°C ~ 105°C (TA)Aunting Type-	Core Size	32-Bit
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O27Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEPROM Size2K x 8AM Size8K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-	Speed	32MHz
Number of I/O27Yogram Memory Size64KB (64K x 8)Yogram Memory TypeFLASHEEPROM Size2K x 8EAM Size8K x 8Yoltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bDerating TypeInternalOperating Type-	Connectivity	I2C, IrDA, SPI, UART/USART, USB
Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEPROM Size2K x 8AM Size8K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bDerating Temperature-40°C ~ 105°C (TA)Aunting Type-	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory TypeFLASHEPROM Size2K x 8AM Size8K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bDerating TypeInternalOperating Type-40°C ~ 105°C (TA)Aunting Type-	Number of I/O	27
Bernol Size2K x 8Bernol Size2K x 8Bernol Size8K x 8Coltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bDecillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Aunting Type-	Program Memory Size	64KB (64K x 8)
AAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bDecillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Aunting Type-	Program Memory Type	FLASH
Yoltage - Supply (Vcc/Vdd)1.65 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 1x12bDecillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Aounting Type-	EEPROM Size	2K x 8
Data ConvertersA/D 10x12b, D/A 1x12bDecillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Aounting Type-	RAM Size	8K x 8
Descillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Aounting Type-	Voltage - Supply (Vcc/Vdd)	1.65 V ~ 3.6 V
Operating Temperature -40°C ~ 105°C (TA) Aounting Type -	Data Converters	A/D 10x12b, D/A 1x12b
Aounting Type -	Oscillator Type	Internal
	Operating Temperature	-40°C ~ 105°C (TA)
	Mounting Type	-
ackage / Case 32-LQFP	Package / Case	32-LQFP
upplier Device Package32-LQFP (7x7)	Supplier Device Package	32-LQFP (7x7)
Report errors?		Report errors?

STM32L052K8T7 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.



Service Guarantees

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

STM32L052K8T7 Payment Methods





If you have any question about STM32L052K8T7, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com