



STM32L031F4P6 Information

Part Number STM32L031F4P6
Manufacturer STMicroelectronics
Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 16KB FLASH 20TSSOP **Package** 20-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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.









STM32L031F4P6 Specifications

Manufacturer Part Number STM32L031F4P6 Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Package 20-TSSOP (0.173", 4.40mm Width) Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32-Mtz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 12-TSSOP	•		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 20-TSSOP (0.173", 4.40mm Width) Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Manufacturer Part Number	STM32L031F4P6	
Embedded - Microcontrollers Package 20-TSSOP (0.173", 4.40mm Width) Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Manufacturer	STMicroelectronics	
Package 20-TSSOP (0.173", 4.40mm Width) Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Category	Integrated Circuits (ICs)	
Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed32MHzConnectivity12C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O15Program Memory Size16KB (16K 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 ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Package	20-TSSOP (0.173", 4.40mm Width)	
Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Series	STM32 L0	
Speed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O15Program Memory Size16KB (16K 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 ~ 85°C (TA)Mounting Type-Package / Case20-TSSOP (0.173", 4.40mm Width)Supplier Device Package20-TSSOP	Core Processor	ARM? Cortex?-M0+	
Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Core Size	32-Bit	
Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 15 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Speed	32MHz	
Number of I/O Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Connectivity	I2C, IrDA, LIN, SPI, UART/USART	
Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	
Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Number of I/O	15	
EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Program Memory Size	16KB (16K x 8)	
RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $10x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 20-TSSOP (0.173° , 4.40mm Width)Supplier Device Package 20-TSSOP	EEPROM Size	1K x 8	
Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	RAM Size	8K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V	
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Data Converters	A/D 10x12b	
Mounting Type - Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Oscillator Type	Internal	
Package / Case 20-TSSOP (0.173", 4.40mm Width) Supplier Device Package 20-TSSOP	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 20-TSSOP	Mounting Type	-	
	Package / Case	20-TSSOP (0.173", 4.40mm Width)	
Report errors?	Supplier Device Package	20-TSSOP	
			Report errors?

STM32L031F4P6 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.

STM32L031F4P6 Payment Methods



















STM32L031F4P6 Shipping Methods













If you have any question about STM32L031F4P6, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com