

PIC16LF19196T-E/5LXVAO

PIC16LF19196T-E/5LXVAO Information



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For Reference Only

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.



PIC16LF19196T-E/5LXVAO Specifications

ManufacturerMicrochip TechnologyManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage64-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, PIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)Perpord Memory Size256 x 8RAM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VEQFN (9x9)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage $64-VFQFN$ Exposed PadSeriesAutomotive, AEC-Q100, PIC® XLP TM 16FCore ProcessorPICCore Size $8-Bit$ Speed $32MHz$ ConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O 59 Program Memory Size $28KB$ (16K x 14)EEPROM Size $256 x 8$ RAM Size $2K x 8$ Voltage - Supply (Vcc/Vdd) $1.8V ~ 3.6V$ Data Converters $A/D 45x12b; D/A 1x5b$ Oscillator TypeInternalOperating Temperature $-40^\circC ~ 125^\circC$ (TA)Mounting TypeSurface MountPackage / Case $64-VFQFN$ Exposed PadSupplier Device Package $64-VQFN$ (999)	Manufacturer Part Number	PIC16LF19196T-E/5LXVAO	
Endedded - MicrocontrollersPackage64-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, PIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)PerpMemory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Manufacturer	Microchip Technology	
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SeriesAutomotive, AEC-Q100, PIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)		Embedded - Microcontrollers	
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VQFN (Svs)	Package	64-VFQFN Exposed Pad	
Core Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltag - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Series	Automotive, AEC-Q100, PIC® XLP [™] 16F	
Speed32MHzConnectivityFC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Core Processor	PIC	
ConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Core Size	8-Bit	
PeripheralsBrown-out Detect/Reset, LCD, POR, PWM, WDTNumber of I/O59Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Speed	32MHz	
Number of I/O 59 Program Memory Size 28KB (16K x 14) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 2K x 8 Voltage - Supply (Vcc/Vdd) 1.8V ~ 3.6V Data Converters A/D 45x12b; D/A 1x5b Oscillator Type Internal Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 64-VFQFN Exposed Pad Supplier Device Package 64-VQFN (9x9)	Connectivity	I ² C, LINbus, SPI, UART/USART	
Program Memory Size28KB (16K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size2K x 8Voltage - Supply (Vcc/Vd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Number of I/O	59	
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Voltage - Supply (Vcc/Vdd)1.8V ~ 3.6VData ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	EEPROM Size	256 x 8	
Data ConvertersA/D 45x12b; D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	RAM Size	2K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Data Converters	A/D 45x12b; D/A 1x5b	
Mounting TypeSurface MountPackage / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Oscillator Type	Internal	
Package / Case64-VFQFN Exposed PadSupplier Device Package64-VQFN (9x9)	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package 64-VQFN (9x9)	Mounting Type	Surface Mount	
	Package / Case	64-VFQFN Exposed Pad	
Report errors?	Supplier Device Package	64-VQFN (9x9)	
			Report errors?

PIC16LF19196T-E/5LXVAO 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.

PIC16LF19196T-E/5LXVAO Payment Methods



If you have any question about PIC16LF19196T-E/5LXVAO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com