

# PIC16F18325T-E/STVAO

### PIC16F18325T-E/STVAO Information



For Reference Only

Part Number	PIC16F18325T-E/STVAO	
Manufacturer	Microchip Technology	
Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
Description	14KB FLASH 256B EEPROM 1KB RAM 1	
Package	14-TSSOP (0.173", 4.40mm Width)	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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### **Certified Quality**

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## PIC16F18325T-E/STVAO Specifications

Manufacturer Microchip Technology   Manufacturer Microchip Technology   Category Integrated Circuits (ICs)   Embedded - Microchtrollers Embedded - Microchtrollers   Package 14-TSSOP (0.173", 4.40mm Width)   Series Automotive, AEC-Q100, PIC® XLPTM 16F   Core Processor PIC   Core Size 8-Bit   Speed 32MHz   Connectivity PC, LINbus, SPI, UART/USART   Peripherals Brown-out Detect/Reset, POR, PWM, WDT   Number of I/O 12   Program Memory Size 14KB (8K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size IK x 8   Voltage - Supply (Vcc/Vdd) 2.3V ~ 5.5V   Data Converters A/D 11x10b   Oscillator Type Internal   Operating Temperature 40°C ~ 125°C (TA)   Mounting Type Surface Mount		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage14-TSSOP (0.173", 4.40mm Width)SeriesAutomotive, AEC-Q100, PIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)Pergram Memory TypeFLASHEEPROM Size256 x 8RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Manufacturer Part Number	PIC16F18325T-E/STVAO
Embedded - MicrocontrollersPackage14-TSSOP (0.173", 4.40mm Width)SeriesAutomotive, AEC-Q100, PIC® XLP™ 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)PERPOM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14TSSOP (0.173", 4.40mm Width)Supplier Device Package14TSSOP (0.173", 4.40mm Width)	Manufacturer	Microchip Technology
Package14-TSSOP (0.173", 4.40mm Width)SeriesAutomotive, AEC-Q100, PIC® XLP™ 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)PEROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14.TSSOP (0.173", 4.40mm Width)Supplier Device Package14.TSSOP (0.173", 4.40mm Width)	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100, PIC® XLP™ 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPrakage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8Nuber of LYCc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Package	14-TSSOP (0.173", 4.40mm Width)
Core Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)	Series	Automotive, AEC-Q100, PIC® XLP <sup>TM</sup> 16F
Speed32MHzConnectivityFC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)	Core Processor	PIC
ConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O12Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Speed	32MHz
Number of I/O12Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)	Connectivity	I <sup>2</sup> C, LINbus, SPI, UART/USART
Program Memory Size14KB (8K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size1K x 8Voltage - Supply (Vcc/Vd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Number of I/O	12
EEPROM Size256 x 8EEPROM Size1K x 8RAM Size1K x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Program Memory Size	14KB (8K x 14)
RAM SizeIK x 8Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.3V ~ 5.5VData ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	EEPROM Size	256 x 8
Data ConvertersA/D 11x10bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	RAM Size	1K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Data Converters	A/D 11x10b
Mounting TypeSurface MountPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Oscillator Type	Internal
Package / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 14-TSSOP	Mounting Type	Surface Mount
	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Report errors?	Supplier Device Package	14-TSSOP
		Report errors?

### PIC16F18325T-E/STVAO 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.

#### PIC16F18325T-E/STVAO Payment Methods



If you have any question about PIC16F18325T-E/STVAO, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com