

# PIC16LF18424-E/P

#### PIC16LF18424-E/P Information



Part Number	PIC16LF18424-E/P	
Manufacturer	Microchip Technology	
Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
Description	COMPARATOR, DAC, 12-BIT ADCC	
Package	14-DIP (0.300", 7.62mm)	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



Request a Quote

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.



## PIC16LF18424-E/P Specifications

CategoryIntegrated Circuis (ICs)Embedded - MicrocontrollersPackage14-DIP (0.300", 7.62mm)SeriesPIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size526 x 8NAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP		
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage14-DIP (0.300", 7.62mm)SeriesPIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-DIP	Manufacturer Part Number	PIC16LF18424-E/P
Enbedded - MicrocontrollersPackage14-DIP (0.300", 7.62mm)SeriesPIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityFC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)PERPOM Size526 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator Type-Portaring Temperature440°C ~ 125°C (TA)Mounting Type-Package / Case14-PDIP	Manufacturer	Microchip Technology
Package14-DIP (0.300", 7.62mm)SeriesPIC® XLPTM 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)PERDM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature440°C ~ 125°C (TA)Mounting Type-Package / Case14-DDIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Category	Integrated Circuits (ICs)
SeriesPIC® XLP™ 16FCore ProcessorPICCore Size8-BitSpeed32MHzConnectivityFC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size526 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 11x12b, D/A 1x5bOscillator Type-Program Type-Program Size-Program Size-Program Size1.8 V ~ 3.6 VData ConvertersInternalOperating Temperature-Program Size-Program Size-Program Size-Size Size-Size Size-Data Converters-Operating Temperature-Prokage / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-DIP		Embedded - Microcontrollers
Core ProcessorPICCore Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPorpheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeELASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersAD 11x12b, D/A 1x5bOperating Temperature-Porting Temperature-Prokage / Case44-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Package	14-DIP (0.300", 7.62mm)
Core Size8-BitSpeed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeELASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)INErvalData ConvertersAD1 1x12b, D/A 1x5bOscillator Type-Operating Temperature-Prokage / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Series	PIC® XLP <sup>TM</sup> 16F
Speed32MHzConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator Type-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Core Processor	PIC
ConnectivityPC, LINbus, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator Type-Portaring Temperature-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Core Size	8-Bit
PeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O11Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator Type-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Speed	32MHz
Number of I/O 11   Program Memory Size 7KB (4K x 14)   Program Memory Type FLASH   EEPROM Size 256 x 8   RAM Size 512 x 8   Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V   Data Converters A/D 11x12b, D/A 1x5b   Oscillator Type Internal   Operating Temperature -40°C ~ 125°C (TA)   Mounting Type -   Package / Case 14-DIP (0.300", 7.62mm)	Connectivity	I <sup>2</sup> C, LINbus, SPI, UART/USART
Program Memory Size7KB (4K x 14)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Number of I/O	11
EEPROM Size256 x 8RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Program Memory Size	7KB (4K x 14)
RAM Size512 x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	EEPROM Size	256 x 8
Data ConvertersA/D 11x12b, D/A 1x5bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	RAM Size	512 x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Data Converters	A/D 11x12b, D/A 1x5b
Mounting Type-Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Oscillator Type	Internal
Package / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-PDIP	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 14-PDIP	Mounting Type	-
	Package / Case	14-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	14-PDIP
		Report errors?

#### PIC16LF18424-E/P 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.

#### PIC16LF18424-E/P Payment Methods



### PIC16LF18424-E/P Shipping Methods



If you have any question about PIC16LF18424-E/P, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com