

Image may be representation.  
See specifications for product details.



## PIC16LF1824-E/ST

Manufacturer Part Number **PIC16LF1824-E/ST**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16LF1824-E/ST**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 8BIT 7KB FLASH 14TSSOP**

Package **14-TSSOP (0.173", 4.40mm Width)**

Data sheet **[PIC112F,PIC16F182X Overview.pdf](#)**

**[PIC16F\(L\)1824,28.pdf](#)**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

PIC16LF1824-E/ST - Microchip Technology.New Original in Stock. Download Linear Technology PIC16LF1824-E/ST datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16LF1824-E/ST, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC16LF1824-E/ST Tech Specifications

PIC16LF1824-E/ST - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	14-TSSOP	Number of I/O	11
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ mTouch™ 16F	EEPROM Size	256 x 8
RAM Size	256 x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, SPI, UART/USART
Package / Case	14-TSSOP (0.173", 4.40mm Width)	Base Product Number	PIC16LF1824
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF1824-E/ST

Product Attribute				
Part Number	PIC16LF1824-E/ST	<a href="#">PIC16LF1825-I/ML</a>	<a href="#">PIC16LF1823-I/ML</a>	<a href="#">PIC16LF1779-I/PT</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	256 x 8	1K x 8	128 x 8	2K x 8
Package / Case	14-TSSOP (0.173", 4.40mm Width)	16-VQFN Exposed Pad	16-VQFN Exposed Pad	44-TQFP
Number of I/O	11	11	12	36
EEPROM Size	256 x 8	256 x 8	256 x 8	128 x 8
Supplier Device Package	14-TSSOP	16-QFN (4x4)	16-QFN (4x4)	44-TQFP (10x10)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Core Processor	PIC	PIC	PIC	PIC
Program Memory Size	7KB (4K x 14)	14KB (8K x 14)	3.5KB (2K x 14)	28KB (16K x 14)
Speed	32MHz	32MHz	32MHz	32MHz
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 28x10b; D/A 4x5b, 4x10b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Package	Tube	Tube	Tape & Reel (TR)	Tray
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Connectivity	I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART	I <sup>2</sup> C, LINbus, SPI, UART/USART
Base Product Number	PIC16LF1824	PIC16LF1825	PIC16LF1823	PIC16LF1779
Series	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Program Memory Type	FLASH	FLASH	FLASH	FLASH

## PIC16LF1824-E/ST Datasheet PDF

Download PIC16LF1824-E/ST pdf datasheets and Microchip Technology documentation for PIC16LF1824-E/ST - Microchip Technology.

### Datasheets



[PIC112F,PIC16F182X Overview.pdf](#)



[PIC16F\(L\)1824,28.pdf](#)

### PCN Packaging



[Label and Packing Changes 23/Sep/2015.pdf](#)



[Packing Changes 10/Oct/2016.pdf](#)



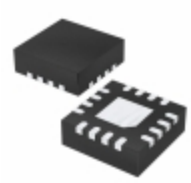
Lead Frame Cancel 08/Feb/2017.pdf



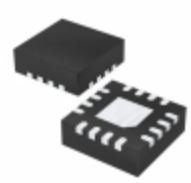
Wire Chg 13/Jan/2016.pdf

## Customers Also Interested in

### Recommended Products



**PIC16LF1825-I/ML**  
Microchip Technology  
IC MCU 8BIT 14KB FLASH 16QFN



**PIC16LF1823T-I/ML**  
Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 16QFN



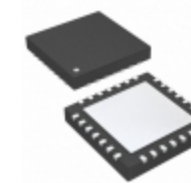
**PIC16LF1779-I/PT**  
Microchip Technology  
IC MCU 8BIT 28KB FLASH 44TQFP



**PIC16LF1825-I/SL**  
Microchip Technology  
IC MCU 8BIT 14KB FLASH 14SOIC



**PIC16LF1786-I/SS**  
Microchip Technology  
IC MCU 8BIT 14KB FLASH 28SSOP



**PIC16LF1786-I/ML**  
Microchip Technology  
IC MCU 8BIT 14KB FLASH 28QFN



**PIC16LF1823-I/SL**  
Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14SOIC



**PIC16LF1823-I/ST**  
Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14TSSOP



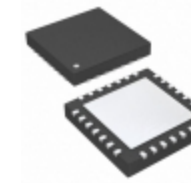
**PIC16LF1824T-I/SL**  
Microchip Technology  
IC MCU 8BIT 7KB FLASH 14SOIC



**PIC16LF1825-E/SL**  
Microchip Technology  
IC MCU 8BIT 14KB FLASH 14SOIC



**PIC16LF1824-I/SL**  
Microchip Technology  
IC MCU 8BIT 7KB FLASH 14SOIC



**PIC16LF1788-I/ML**  
Microchip Technology  
IC MCU 8BIT 28KB FLASH 28QFN



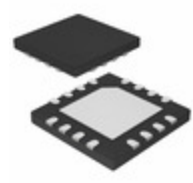
**PIC16LF1823T-I/SL**  
Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 14SOIC



**PIC16LF1824T-I/ST**  
Microchip Technology  
IC MCU 8BIT 7KB FLASH 14TSSOP



**PIC16LF1824T39AT-I/ST**  
Microchip Technology  
IC MCU 8BIT 7KB FLASH 20TSSOP



**PIC16LF1825-I/JQ**  
Microchip Technology  
IC MCU 8BIT 14KB FLASH 16UQFN



**PIC16LF1788-I/SS**  
Microchip Technology  
IC MCU 8BIT 28KB FLASH 28SSOP



**PIC16LF1824-I/ST**  
Microchip Technology  
IC MCU 8BIT 7KB FLASH 14TSSOP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

### Certifications & Memberships



[View More](#)

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com