

Image may be representation.
See specifications for product details.



PIC16LF1824-I/ML

Manufacturer Part Number	PIC16LF1824-I/ML
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16LF1824-I/ML
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 7KB FLASH 16QFN
Package	16-VQFN Exposed Pad
Data sheet	PIC112F,PIC16F182X Overview.pdf PIC16F(L)1824,28.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16LF1824-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC16LF1824-I/ML datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16LF1824-I/ML, please send us email: info@allelco.com

Specifications

PIC16LF1824-I/ML Tech Specifications

PIC16LF1824-I/ML - 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 ~ 85°C (TA)
Supplier Device Package	16-QFN (4x4)	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	I²C, SPI, UART/USART
Package / Case	16-VQFN Exposed Pad	Base Product Number	PIC16LF1824
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF1824-I/ML

Product Attribute				
Part Number	PIC16LF1824-I/ML	PIC16LF1823-I/SL	PIC16LF1824-E/ST	PIC16LF1824-I/SL
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Connectivity	I²C, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Base Product Number	PIC16LF1824	PIC16LF1823	PIC16LF1824	PIC16LF1824
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
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	11	12	11	11
Package / Case	16-VQFN Exposed Pad	14-SOIC (0.154", 3.90mm Width)	14-TSSOP (0.173", 4.40mm Width)	14-SOIC (0.154", 3.90mm Width)
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
RAM Size	256 x 8	128 x 8	256 x 8	256 x 8
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	16-QFN (4x4)	14-SOIC	14-TSSOP	14-SOIC
Core Processor	PIC	PIC	PIC	PIC
Program Memory Size	7KB (4K x 14)	3.5KB (2K x 14)	7KB (4K x 14)	7KB (4K x 14)
Series	PIC® XLP™ mTouch™ 16F	PIC® XLP™ 16F	PIC® XLP™ mTouch™ 16F	PIC® XLP™ mTouch™ 16F
Speed	32MHz	32MHz	32MHz	32MHz
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tube	Tube	Tube	Tube

PIC16LF1824-I/ML Datasheet PDF

Download PIC16LF1824-I/ML pdf datasheets and Microchip Technology documentation for PIC16LF1824-I/ML - Microchip Technology.

PCN Packaging

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

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

HTML Datasheet

[PIC112F,PIC16F182X Overview.pdf](#)

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

PCN Design/Specification



CuPdAu bond wire 14/Dec/2016.pdf

PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products



PIC16LF1823-I/SL

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14SOIC



PIC16LF1824-E/ST

Microchip Technology
IC MCU 8BIT 7KB FLASH 14TSSOP



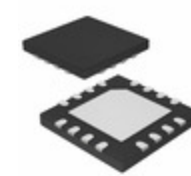
PIC16LF1824-I/SL

Microchip Technology
IC MCU 8BIT 7KB FLASH 14SOIC



PIC16LF1824T-I/ST

Microchip Technology
IC MCU 8BIT 7KB FLASH 14TSSOP



PIC16LF1825-I/JQ

Microchip Technology
IC MCU 8BIT 14KB FLASH 16UQFN



PIC16LF1786-I/SS

Microchip Technology
IC MCU 8BIT 14KB FLASH 28SSOP



PIC16LF1825-I/ML

Microchip Technology
IC MCU 8BIT 14KB FLASH 16QFN



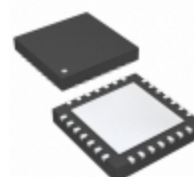
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Microchip Technology
IC MCU 8BIT 14KB FLASH 14SOIC



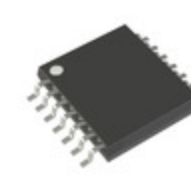
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Microchip Technology
IC MCU 8BIT 7KB FLASH 20TSSOP



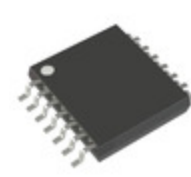
PIC16LF1786-I/ML

Microchip Technology
IC MCU 8BIT 14KB FLASH 28QFN



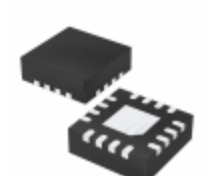
PIC16LF1824-I/ST

Microchip Technology
IC MCU 8BIT 7KB FLASH 14TSSOP



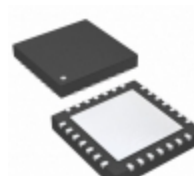
PIC16LF1823-I/ST

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14TSSOP



PIC16LF1823T-I/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 16QFN



PIC16LF1788-I/ML

Microchip Technology
IC MCU 8BIT 28KB FLASH 28QFN



PIC16LF1825-I/ST

Microchip Technology
IC MCU 8BIT 14KB FLASH 14TSSOP



PIC16LF1823T-I/SL

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 14SOIC



PIC16LF1824T-I/SL

Microchip Technology
IC MCU 8BIT 7KB FLASH 14SOIC



PIC16LF1825-E/SL

Microchip Technology
IC MCU 8BIT 14KB FLASH 14SOIC

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

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Certifications & Memberships



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