



Image may be representation.  
See specifications for product details.



## PIC16LF15375-I/PT

Manufacturer Part Number	<a href="#">PIC16LF15375-I/PT</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-PIC16LF15375-I/PT
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC MCU 8BIT 14KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<a href="#">PIC16(L)F153xx Product Brief.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

PIC16LF15375-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC16LF15375-I/PT datasheet/specifications on AllelcoElec.com. Request a quote for PIC16LF15375-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC16LF15375-I/PT Tech Specifications  
PIC16LF15375-I/PT - 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	44-TQFP (10x10)	Number of I/O	36
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	224 x 8
RAM Size	1K x 8	Data Converters	A/D 35x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	14KB (8K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	PIC16LF15375
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF15375-I/PT

Product Attribute				
Part Number	PIC16LF15375-I/PT	<a href="#">PIC16LF1554-I/SL</a>	<a href="#">PIC16LF15345-I/SS</a>	<a href="#">PIC16LF1554T-I/ST</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	44-TQFP (10x10)	14-SOIC	20-SSOP	14-TSSOP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	14KB (8K x 14)	7KB (4K x 14)	14KB (8K x 14)	7KB (4K x 14)
Package	Tray	Tube	Tube	Tape & Reel (TR)
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 35x10b; D/A 1x5b	A/D 11x10b	A/D 17x10b; D/A 1x5b	A/D 11x10b
Number of I/O	36	11	18	11
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
RAM Size	1K x 8	256 x 8	1K x 8	256 x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART
Base Product Number	PIC16LF15375	PIC16LF1554	PIC16LF15345	PIC16LF1554
Core Processor	PIC	PIC	PIC	PIC
Package / Case	44-TQFP	14-SOIC (0.154", 3.90mm Width)	20-SSOP (0.209", 5.30mm Width)	14-TSSOP (0.173", 4.40mm Width)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	224 x 8	-	224 x 8	-
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

### PIC16LF15375-I/PT Datasheet PDF

Download PIC16LF15375-I/PT pdf datasheets and Microchip Technology documentation for PIC16LF15375-I/PT - Microchip Technology.

#### Datasheets

[PIC16\(L\)F153xx Product Brief.pdf](#)



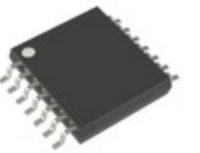
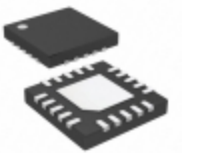
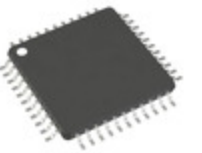
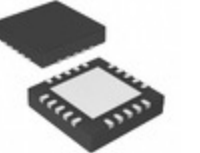




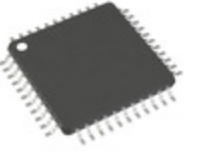







#### PCN Design/Specification

[PIC16\(L\)F15313/23 16/Feb/2022.pdf](#)

[PIC16\(L\)F15356/75/76/85/86 17/Mar/2022.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>PIC16LF1554-I/SL</b> Microchip Technology IC MCU 8BIT 7KB FLASH 14SOIC	<b>PIC16LF15345-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP	<b>PIC16LF1554T-I/ST</b> Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	<b>PIC16LF15344-I/GZ</b> Microchip Technology IC MCU 8BIT 7KB FLASH 20UQFN	<b>PIC16LF15376-I/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	<b>PIC16LF1559-I/ML</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20QFN
					
<b>PIC16LF15344-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	<b>PIC16LF15356T-I/SS</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	<b>PIC16LF1554-I/ST</b> Microchip Technology IC MCU 8BIT 7KB FLASH 14TSSOP	<b>PIC16LF15344T-I/MLVAO</b> Micrel / Microchip Technology	<b>PIC16LF15376T-I/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	<b>PIC16LF15386-I/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 48TQFP
					
<b>PIC16LF1559-E/MLVAO</b> Micrel / Microchip Technology	<b>PIC16LF15386T-I/PT</b> Microchip Technology IC MCU 8BIT 28KB FLASH 48TQFP	<b>PIC16LF1559-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 20SSOP	<b>PIC16LF15356-I/SS</b> Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	<b>PIC16LF15344T-I/SS</b> Microchip Technology IC MCU 8BIT 7KB FLASH 20SSOP	<b>PIC16LF15355T-I/SS</b> Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP

## 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 -

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| <br>Efficient Supply Management | <br>Cost-Saving Procurement | <br>Fast Sourcing & Delivery |
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Contact us if you have any questions.

- |  |  |
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### Certifications & Memberships



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