



Image may be representation.  
See specifications for product details.



## PIC18LF45K50-I/PT

Manufacturer Part Number	<b>PIC18LF45K50-I/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC18LF45K50-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 32KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<b>PIC18(L)F2x,45K50 Brief.pdf</b> <b>PIC18(L)F2X/45K50.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

PIC18LF45K50-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC18LF45K50-I/PT datasheet/specifications on AllelcoElec.com. Request a quote for PIC18LF45K50-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC18LF45K50-I/PT Tech Specifications  
PIC18LF45K50-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	33
Speed	48MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18K	EEPROM Size	256 x 8
RAM Size	2K x 8	Data Converters	A/D 25x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART, USB
Package / Case	44-TQFP	Base Product Number	PIC18LF45
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18LF45K50-I/PT

Product Attribute				
Part Number	PIC18LF45K50-I/PT	<a href="#">PIC18LF45K40-I/ML</a>	<a href="#">PIC18LF45K42T-I/MV</a>	<a href="#">PIC18LF45K42-I/P</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Number of I/O	33	36	36	36
Core Processor	PIC	PIC	PIC	PIC
Supplier Device Package	44-TQFP (10x10)	44-QFN (8x8)	40-UQFN (5x5)	40-PDIP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Connectivity	I²C, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)
Package / Case	44-TQFP	44-VQFN Exposed Pad	40-UQFN Exposed Pad	40-DIP (0.600", 15.24mm)
Speed	48MHz	64MHz	64MHz	64MHz
Base Product Number	PIC18LF45	PIC18LF45	PIC18LF45	PIC18LF45
Package	Tray	Tube	Tape & Reel (TR)	Tube
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Data Converters	A/D 25x10b	A/D 35x10b; D/A 1x5b	A/D 35x12b; D/A 1x5b	A/D 35x12b; D/A 1x5b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	2.3V ~ 5.5V	1.8V ~ 3.6V
Series	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18K

### PIC18LF45K50-I/PT Datasheet PDF

Download PIC18LF45K50-I/PT pdf datasheets and Microchip Technology documentation for PIC18LF45K50-I/PT - Microchip Technology.

#### Datasheets

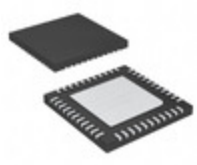




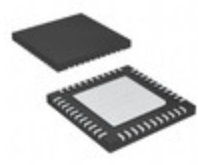


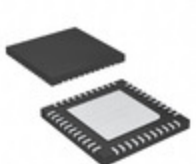
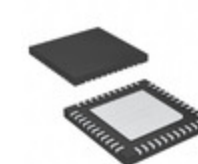
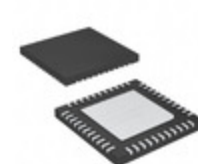
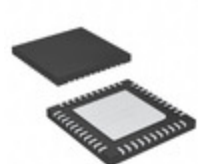






[PIC18\(L\)F2x,45K50 Brief.pdf](#)

[PIC18\(L\)F2X/45K50.pdf](#)

#### PCN Packaging

## Customers Also Interested in

### Recommended Products

					
<b>PIC18LF45K40-I/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN	<b>PIC18LF45K42T-I/MV</b> Microchip Technology IC MCU 8BIT 32KB FLASH 40UQFN	<b>PIC18LF45K42-I/P</b> Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	<b>PIC18LF45K42-I/MV</b> Microchip Technology IC MCU 8BIT 32KB FLASH 40UQFN	<b>PIC18LF4620T-I/PT</b> Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	<b>PIC18LF45K42-I/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN
					
<b>PIC18LF4620-I/P</b> Microchip Technology IC MCU 8BIT 64KB FLASH 40DIP	<b>PIC18LF4620-I/PT</b> Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	<b>PIC18LF4620T-I/ML</b> Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN	<b>PIC18LF45K42T-I/ML</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN	<b>PIC18LF4620-I/ML</b> Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN	<b>PIC18LF4685-I/ML</b> Microchip Technology IC MCU 8BIT 96KB FLASH 44QFN
					
<b>PIC18LF4610-I/P</b> Microchip Technology IC MCU 8BIT 64KB FLASH 40DIP	<b>PIC18LF4682-I/PT</b> Microchip Technology IC MCU 8BIT 80KB FLASH 44TQFP	<b>PIC18LF45K50-I/MV</b> Microchip Technology IC MCU 8BIT 32KB FLASH 40UQFN	<b>PIC18LF4680-I/P</b> Microchip Technology IC MCU 8BIT 64KB FLASH 40DIP	<b>PIC18LF45K40-I/P</b> Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	<b>PIC18LF45K22T-I/MV</b> Microchip Technology IC MCU 8BIT 32KB FLASH 40UQFN

## 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 Alleco 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
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Contact us if you have any questions.

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### Certifications & Memberships



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### Contact us

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