



Image may be representation.
See specifications for product details.



PIC18F45K50-I/PT

Manufacturer Part Number	PIC18F45K50-I/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F45K50-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 32KB FLASH 44TQFP
Package	44-TQFP
Data sheet	PIC18(L)F2X/45K50.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC18F45K50-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F45K50-I/PT datasheet/specifications on AllelcoElec.com. Request a quote for PIC18F45K50-I/PT, please send us email: info@allelco.com

Specifications

PIC18F45K50-I/PT Tech Specifications

PIC18F45K50-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)	2.3V ~ 5.5V	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	PIC18F45
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F45K50-I/PT

Product Attribute				
Part Number	PIC18F45K50-I/PT	PIC18F45K42-E/ML	PIC18F45Q10-I/PT	PIC18F4610-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18Q, Functional Safety (FuSa)	PIC® 18F
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Package	Tray	Tube	Tray	Tray
Speed	48MHz	64MHz	64MHz	40MHz
Data Converters	A/D 25x10b	A/D 35x12b; D/A 1x5b	A/D 35x10b; D/A 1x5b	A/D 13x10b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
RAM Size	2K x 8	2K x 8	2.25K x 8	3.8K x 8
Core Processor	PIC	PIC	PIC	PIC
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	44-TQFP	44-VQFN Exposed Pad	44-TQFP	44-TQFP
Base Product Number	PIC18F45	PIC18F45	PIC18F45	PIC18F4610
EEPROM Size	256 x 8	256 x 8	256 x 8	-
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (32K x 8)	64KB (32K x 16)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Number of I/O	33	36	36	36
Supplier Device Package	44-TQFP (10x10)	44-QFN (8x8)	44-TQFP (10x10)	44-TQFP (10x10)
Connectivity	I²C, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	1.8V ~ 5.5V	4.2V ~ 5.5V

PIC18F45K50-I/PT Datasheet PDF

Download PIC18F45K50-I/PT pdf datasheets and Microchip Technology documentation for PIC18F45K50-I/PT - Microchip Technology.

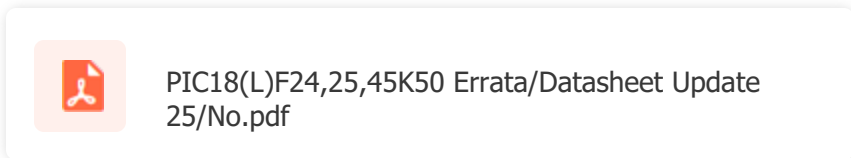
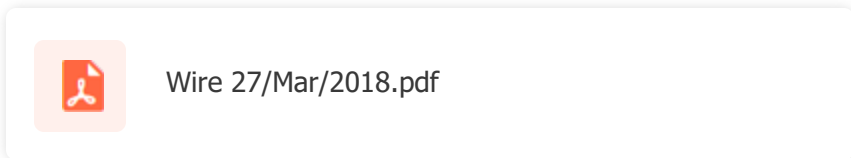
Datasheets

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

PCN Packaging

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

[MBB/Label Chgs 16/Nov/2018.pdf](#)



Customers Also Interested in

Recommended Products

PIC18F45K42-E/ML Microchip Technology IC MCU 8BIT 32KB FLASH 44QFN	PIC18F45Q10-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F4610-I/PT Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	PIC18F45K40-I/P Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	PIC18F45K22-I/P Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	PIC18F45K40-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP
PIC18F4620-E/P Microchip Technology IC MCU 8BIT 64KB FLASH 40DIP	PIC18F4680-E/PT Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	PIC18F4620-I/P Microchip Technology IC MCU 8BIT 64KB FLASH 40DIP	PIC18F45K22-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F4680-I/ML Microchip Technology IC MCU 8BIT 64KB FLASH 44QFN	PIC18F4680-I/PT Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP
PIC18F45K80-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP	PIC18F45K22-I/MV Microchip Technology IC MCU 8BIT 32KB FLASH 40UQFN	PIC18F45K42-I/P Microchip Technology IC MCU 8BIT 32KB FLASH 40DIP	PIC18F4682-E/ML Microchip Technology IC MCU 8BIT 80KB FLASH 44QFN	PIC18F4620-I/PT Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	PIC18F45K40T-I/PT Microchip Technology IC MCU 8BIT 32KB FLASH 44TQFP

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
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Contact us if you have any questions.

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Certifications & Memberships



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