



Image may be representation.
See specifications for product details.



PIC18F45K40-I/P

Manufacturer Part Number **PIC18F45K40-I/P**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC18F45K40-I/P**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 8BIT 32KB FLASH 40DIP**

Package **40-DIP (0.600", 15.24mm)**

Data sheet **[PIC18\(L\)F26/45/46K40 Datasheet.pdf](#)**

[PIC18\(L\)F2x/4xK40 Memory Programming Specification.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC18F45K40-I/P - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F45K40-I/P datasheet/specifications on AllelcoElec.com.
Request a quote for PIC18F45K40-I/P, please send us email: info@allelco.com

Specifications

PIC18F45K40-I/P Tech Specifications

PIC18F45K40-I/P - 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	40-PDIP	Number of I/O	36
Speed	64MHz	Mounting Type	Through Hole
Series	PIC® XLP™ 18K	EEPROM Size	256 x 8
RAM Size	2K x 8	Data Converters	A/D 35x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (16K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	40-DIP (0.600", 15.24mm)	Base Product Number	PIC18F45
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F45K40-I/P

Product Attribute				
Part Number	PIC18F45K40-I/P	PIC18F45K20-I/ML	PIC18F45K42-E/ML	PIC18F45Q10-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Processor	PIC	PIC	PIC	PIC
RAM Size	2K x 8	1.5K x 8	2K x 8	2.25K x 8
Supplier Device Package	40-PDIP	44-QFN (8x8)	44-QFN (8x8)	44-TQFP (10x10)
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	64MHz	64MHz	64MHz	64MHz
Data Converters	A/D 35x10b; D/A 1x5b	A/D 14x10b	A/D 35x12b; D/A 1x5b	A/D 35x10b; D/A 1x5b
Program Memory Size	32KB (16K x 16)	32KB (16K x 16)	32KB (16K x 16)	32KB (32K x 8)
Package / Case	40-DIP (0.600", 15.24mm)	44-VQFN Exposed Pad	44-VQFN Exposed Pad	44-TQFP
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	36	35	36	36
Series	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18Q, Functional Safety (FuSa)
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	1.8V ~ 3.6V	2.3V ~ 5.5V	1.8V ~ 5.5V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Package	Tube	Tube	Tube	Tray
Base Product Number	PIC18F45	PIC18F45	PIC18F45	PIC18F45
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)

PIC18F45K40-I/P Datasheet PDF

Download PIC18F45K40-I/P pdf datasheets and Microchip Technology documentation for PIC18F45K40-I/P - Microchip Technology.

Datasheets



[PIC18\(L\)F26/45/46K40 Datasheet.pdf](#)



[PIC18\(L\)F2x/4xK40 Memory Programming Specification.pdf](#)

PCN Packaging

Packing Changes 10/Oct/2016.pdf

MBB/Label Chgs 16/Nov/2018.pdf

PCN Assembly/Origin

Mult Dev 13/Apr/2020.pdf

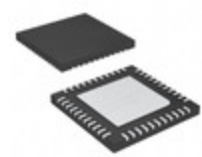
PCN Design/Specification

PIC18(L)F26/45/46K40 03/Nov/2017.pdf

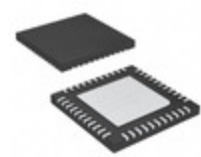
PIC18(L)F26/45/46K40 19/Apr/2017.pdf

Customers Also Interested in

Recommended Products



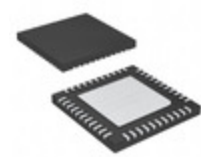
PIC18F45K20-I/ML
Microchip Technology
IC MCU 8BIT 32KB FLASH 44QFN



PIC18F45K42-E/ML
Microchip Technology
IC MCU 8BIT 32KB FLASH 44QFN



PIC18F45Q10-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



PIC18F45K20T-I/ML
Microchip Technology
IC MCU 8BIT 32KB FLASH 44QFN



PIC18F45K42T-E/MVV02
Micrel / Microchip Technology

PIC18F45K80-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



PIC18F45K40-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



PIC18F45K20T-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



PIC18F45K22-I/P
Microchip Technology
IC MCU 8BIT 32KB FLASH 40DIP



PIC18F45K42-I/P
Microchip Technology
IC MCU 8BIT 32KB FLASH 40DIP



PIC18F45K50-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP

PIC18F45K22-I/MV
Microchip Technology
IC MCU 8BIT 32KB FLASH 40UQFN



PIC18F4620-E/P
Microchip Technology
IC MCU 8BIT 64KB FLASH 40DIP



PIC18F45K20-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



PIC18F4610-I/PT
Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F45K40T-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



PIC18F45K22-I/PT
Microchip Technology
IC MCU 8BIT 32KB FLASH 44TQFP



PIC18F45K20-E/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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



View More

