



Image may be representation.
See specifications for product details.



PIC18F46K42-E/PT

Manufacturer Part Number	PIC18F46K42-E/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F46K42-E/PT
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 64KB FLASH 44TQFP
Package	44-TQFP
Data sheet	PIC18(L)F26 to 57K42 Datasheet.pdf PIC18(L)F26 to 57K42 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC18F46K42-E/PT - Microchip Technology.New Original in Stock. Download Linear Technology PIC18F46K42-E/PT datasheet/specifications on AllelcoElec.com.
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Specifications

PIC18F46K42-E/PT Tech Specifications

PIC18F46K42-E/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 ~ 125°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	36
Speed	64MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18K	EEPROM Size	1K x 8
RAM Size	4K x 8	Data Converters	A/D 35x12b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	64KB (32K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	PIC18F46
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F46K42-E/PT

Product Attribute				
Part Number	PIC18F46K42-E/PT	PIC18F46K22-I/P	PIC18F46K42-I/PT	PIC18F46K22-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	PIC18F46	PIC18F46	PIC18F46	PIC18F46
Number of I/O	36	35	36	35
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Tube	Tray	Tray
Peripherals	Brown-out Detect/Reset, DMA, HLVD, 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
Core Processor	PIC	PIC	PIC	PIC
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Package / Case	44-TQFP	40-DIP (0.600", 15.24mm)	44-TQFP	44-TQFP
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Program Memory Size	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)	64KB (32K x 16)
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART
Supplier Device Package	44-TQFP (10x10)	40-PDIP	44-TQFP (10x10)	44-TQFP (10x10)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Oscillator Type	Internal	Internal	Internal	Internal
Series	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18K
RAM Size	4K x 8	3.8K x 8	4K x 8	3.8K x 8
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	64MHz	64MHz	64MHz	64MHz
Data Converters	A/D 35x12b; D/A 1x5b	A/D 30x10b	A/D 35x12b; D/A 1x5b	A/D 30x10b

PIC18F46K42-E/PT Datasheet PDF

Download PIC18F46K42-E/PT pdf datasheets and Microchip Technology documentation for PIC18F46K42-E/PT - Microchip Technology.

Datasheets

PIC18(L)F26 to 57K42 Datasheet.pdf

PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

HTML Datasheet

PIC18(L)F26 to 57K42 Datasheet.pdf

PCN Design/Specification

PIC18(L)F26/27/45/46/47/55/56/57K42
03/Jun/2019.pdf

PIC18(L)F26/27/45/46/47/55/56/57K42
11/Nov/2020.pdf

Customers Also Interested in

Recommended Products



PIC18F46K22-I/P

Microchip Technology
IC MCU 8BIT 64KB FLASH 40DIP



PIC18F46K42-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46K22-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46Q10T-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46Q84-E/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46Q84-E/P

Microchip Technology
IC MCU 8BIT 64KB FLASH 40DIP



PIC18F46K40T-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46K22T-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46K40-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46K80-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46K22T-I/MV

Microchip Technology
IC MCU 8BIT 64KB FLASH 40UQFN



PIC18F46K80-E/P

Microchip Technology
IC MCU 8BIT 64KB FLASH 40DIP



PIC18F46K80-E/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46K22-I/MV

Microchip Technology
IC MCU 8BIT 64KB FLASH 40UQFN



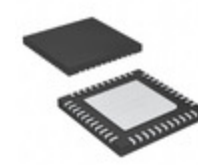
PIC18F46Q10-I/PT

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



PIC18F46K22-I

Micrel / Microchip Technology



PIC18F46K80T-I/ML

Microchip Technology
IC MCU 8BIT 64KB FLASH 44QFN



PIC18F46K42T-I/MV

Microchip Technology
IC MCU 8BIT 64KB 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 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

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Email

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Certifications & Memberships



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