

Image may be representation.  
See specifications for product details.



## PIC18F2420-E/ML

Manufacturer Part Number	<a href="#">PIC18F2420-E/ML</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-PIC18F2420-E/ML
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC MCU 8BIT 16KB FLASH 28QFN
Package	28-VQFN Exposed Pad
Data sheet	<a href="#">PIC18F2x20, 4x20 Datasheet.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

PIC18F2420-E/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F2420-E/ML datasheet/specifications on AllelcoElec.com. Request a quote for PIC18F2420-E/ML, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC18F2420-E/ML Tech Specifications  
PIC18F2420-E/ML - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	28-QFN (6x6)	Number of I/O	25
Speed	25MHz	Mounting Type	Surface Mount
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	768 x 8	Data Converters	A/D 10x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC18F2420
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F2420-E/ML

Product Attribute				
Part Number	PIC18F2420-E/ML	<a href="#">PIC18F23K22T-I/SO</a>	<a href="#">PIC18F2410-I/SO</a>	<a href="#">PIC18F23K22-E/SS</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	768 x 8	512 x 8	768 x 8	512 x 8
EEPROM Size	256 x 8	256 x 8	-	256 x 8
Package / Case	28-VQFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 10x10b	A/D 19x10b	A/D 10x10b	A/D 19x10b
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	28-QFN (6x6)	28-SOIC	28-SOIC	28-SSOP
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	PIC	PIC	PIC	PIC
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Number of I/O	25	24	25	24
Program Memory Size	16KB (8K x 16)	8KB (4K x 16)	16KB (8K x 16)	8KB (4K x 16)
Speed	25MHz	64MHz	40MHz	48MHz
Package	Tube	Tape & Reel (TR)	Tube	Tube
Series	PIC® 18F	PIC® XLP™ 18K	PIC® 18F	PIC® XLP™ 18K
Base Product Number	PIC18F2420	PIC18F23	PIC18F2410	PIC18F23
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	2.3V ~ 5.5V	4.2V ~ 5.5V	2.3V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART

### PIC18F2420-E/ML Datasheet PDF

Download PIC18F2420-E/ML pdf datasheets and Microchip Technology documentation for PIC18F2420-E/ML - Microchip Technology.

#### Datasheets

[PIC18F2x20, 4x20 Datasheet.pdf](#)

#### PCN Packaging

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

[Packing Changes 10/Oct/2016.pdf](#)

## PCN Design/Specification



CuPdAu wire 25/Nov/2016.pdf



PIC18F2420/2520/4420/4520 02/Aug/2021.pdf

## PCN Assembly/Origin



2.73KHz.pdf

## Customers Also Interested in

### Recommended Products



#### PIC18F23K22T-I/SO

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28SOIC



#### PIC18F2410-I/SO

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SOIC



#### PIC18F23K22-E/SS

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28SSOP



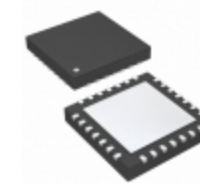
#### PIC18F23K22-I/SO

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28SOIC



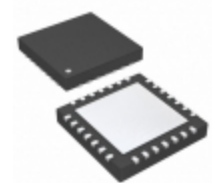
#### PIC18F23K22-I/SP

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28SPDIP



#### PIC18F23K22-I/ML

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28QFN



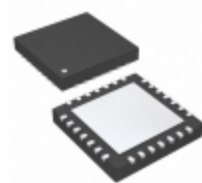
#### PIC18F2420-I/ML

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28QFN



#### PIC18F2420-I/SO

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SOIC



#### PIC18F23K22-E/MV

Microchip Technology  
IC MCU 8BIT 8KB FLASH 28UQFN



#### PIC18F2420T-I/SO

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SOIC



#### PIC18F2423-I/SP

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SPDIP



#### PIC18F2420-I/SP

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SPDIP



#### PIC18F242-I/SO

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SOIC



#### PIC18F2423-I/SO

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SOIC



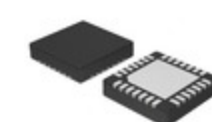
#### PIC18F242T-I/SO

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SOIC



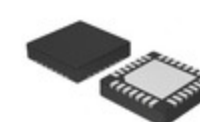
#### PIC18F2431-I/SO

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28SOIC



#### PIC18F2431-I/MM

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28QFN



#### PIC18F2431T-I/MM

Microchip Technology  
IC MCU 8BIT 16KB FLASH 28QFN

## 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



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