



Image may be representation.
See specifications for product details.



PIC18F23K20-E/ML

Manufacturer Part Number	PIC18F23K20-E/ML
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F23K20-E/ML
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 8KB FLASH 28QFN
Package	28-VQFN Exposed Pad
Data sheet	PIC18F(2,4)xK20 Programming Spec.pdf PIC18FxxK20 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC18F23K20-E/ML - Microchip Technology.New Original in Stock. Download Linear Technology PIC18F23K20-E/ML datasheet/specifications on AllelcoElec.com.
Request a quote for PIC18F23K20-E/ML, please send us email: info@allelco.com

Specifications

PIC18F23K20-E/ML Tech Specifications

PIC18F23K20-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)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	28-QFN (6x6)	Number of I/O	24
Speed	48MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18K	EEPROM Size	256 x 8
RAM Size	512 x 8	Data Converters	A/D 11x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	8KB (4K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Connectivity	I ² C, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC18F23
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F23K20-E/ML

Product Attribute					
Part Number	PIC18F23K20-E/ML	PIC18F2221-I/SO	PIC18F2321-E/SS	PIC18F2321-I/ML	
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology	
Core Size	8-Bit	8-Bit	8-Bit	8-Bit	
Series	PIC® XLP™ 18K	PIC® 18F	PIC® 18F	PIC® 18F	
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	
Package	Tube	Tube	Tube	Tube	
Data Converters	A/D 11x10b	A/D 10x10b	A/D 10x10b	A/D 10x10b	
Package / Case	28-VQFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)	28-VQFN Exposed Pad	
Oscillator Type	Internal	Internal	Internal	Internal	
Connectivity	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	
Program Memory Size	8KB (4K x 16)	4KB (2K x 16)	8KB (4K x 16)	8KB (4K x 16)	
Supplier Device Package	28-QFN (6x6)	28-SOIC	28-SSOP	28-QFN (6x6)	
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	
Core Processor	PIC	PIC	PIC	PIC	
Program Memory Type	FLASH	FLASH	FLASH	FLASH	
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount	
Base Product Number	PIC18F23	PIC18F2221	PIC18F2321	PIC18F2321	
Speed	48MHz	40MHz	25MHz	40MHz	
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8	
Number of I/O	24	25	25	25	
RAM Size	512 x 8	512 x 8	512 x 8	512 x 8	

PIC18F23K20-E/ML Datasheet PDF

Download PIC18F23K20-E/ML pdf datasheets and Microchip Technology documentation for PIC18F23K20-E/ML - Microchip Technology.

Datasheets

[PIC18F\(2,4\)xK20 Programming Spec.pdf](#)

[PIC18FxxK20 Datasheet.pdf](#)

PCN Packaging

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

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



Qualification QFN-28,20,16 with Copper 09/Jan/2014.pdf

Customers Also Interested in

Recommended Products

 PIC18F2221-I/SO Microchip Technology IC MCU 8BIT 4KB FLASH 28SOIC	 PIC18F2321-E/SS Microchip Technology IC MCU 8BIT 8KB FLASH 28SSOP	 PIC18F2321-I/ML Microchip Technology IC MCU 8BIT 8KB FLASH 28QFN	 PIC18F2320-I/SO Microchip Technology IC MCU 8BIT 8KB FLASH 28SOIC	 PIC18F23K22-I/SO Microchip Technology IC MCU 8BIT 8KB FLASH 28SOIC	 PIC18F23K22-E/SS Microchip Technology IC MCU 8BIT 8KB FLASH 28SSOP
 PIC18F2320T-I/SO Microchip Technology IC MCU 8BIT 8KB FLASH 28SOIC	 PIC18F23K22-I/SP Microchip Technology IC MCU 8BIT 8KB FLASH 28SPDIP	 PIC18F23K20-I/MV Microchip Technology IC MCU 8BIT 8KB FLASH 28UQFN	 PIC18F23K22-I/ML Microchip Technology IC MCU 8BIT 8KB FLASH 28QFN	 PIC18F23K22T-I/SO Microchip Technology IC MCU 8BIT 8KB FLASH 28SOIC	 PIC18F23K20-I/ML Microchip Technology IC MCU 8BIT 8KB FLASH 28QFN
 PIC18F2320-I/SP Microchip Technology IC MCU 8BIT 8KB FLASH 28SPDIP	 PIC18F23K20T-I/SS Microchip Technology IC MCU 8BIT 8KB FLASH 28SSOP	 PIC18F23K20-I/SS Microchip Technology IC MCU 8BIT 8KB FLASH 28SSOP	 PIC18F23K22-E/MV Microchip Technology IC MCU 8BIT 8KB FLASH 28UQFN	 PIC18F2321-I/SO Microchip Technology IC MCU 8BIT 8KB FLASH 28SOIC	 PIC18F2331-I/SO Microchip Technology IC MCU 8BIT 8KB FLASH 28SOIC

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.

Phone +00852 9146 4856	Email info@allelco.com
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Certifications & Memberships



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