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See specifications for product details.



PIC18F27K40-I/ML

Manufacturer Part Number **PIC18F27K40-I/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC18F27K40-I/ML**

ECAD Model Request Free CAD Models

Parts Description **IC MCU 8BIT 128KB FLASH 28QFN**

Package **28-VQFN Exposed Pad**

Data sheet **PIC18(L)F2x/4xK40 Memory Programming Specification.pdf**

PIC18(L)F27/47K40 Datasheet.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC18F27K40-I/ML - Microchip Technology.New Original in Stock. Download Linear Technology PIC18F27K40-I/ML datasheet/specifications on AllelcoElec.com.
Request a quote for PIC18F27K40-I/ML, please send us email: info@allelco.com

Specifications

PIC18F27K40-I/ML Tech Specifications

PIC18F27K40-I/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)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-QFN (6x6)	Number of I/O	25
Speed	64MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18K	EEPROM Size	1K x 8
RAM Size	3.6K x 8	Data Converters	A/D 24x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	128KB (64K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC18F27
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F27K40-I/ML

Product Attribute				
Part Number	PIC18F27K40-I/ML	PIC18F27J53-I/SS	PIC18F27J53T-I/SS	PIC18F26K83-E/SSVAO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART, USB	CANbus, I²C, LINbus, SPI, UART/USART
Series	PIC® XLP™ 18K	PIC® XLP™ 18J	PIC® XLP™ 18J	Automotive, AEC-Q100, PIC® 18K, Functional Safety (FuSa)
Number of I/O	25	22	22	25
Package / Case	28-VQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Program Memory Size	128KB (64K x 16)	128KB (64K x 16)	128KB (64K x 16)	64KB (32K x 16)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	3.6K x 8	3.8K x 8	3.8K x 8	4K x 8
EEPROM Size	1K x 8	-	-	1K x 8
Core Processor	PIC	PIC	PIC	PIC
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.15V ~ 3.6V	2.15V ~ 3.6V	2.3V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tube	Tube	Tape & Reel (TR)	Tube
Supplier Device Package	28-QFN (6x6)	28-SSOP	28-SSOP	28-SSOP
Data Converters	A/D 24x10b; D/A 1x5b	A/D 10x10b/12b	A/D 10x10b/12b	A/D 24x12b; D/A 1x5b
Base Product Number	PIC18F27	PIC18F27	PIC18F27	PIC18F26
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Speed	64MHz	48MHz	48MHz	64MHz

PIC18F27K40-I/ML Datasheet PDF

Download PIC18F27K40-I/ML pdf datasheets and Microchip Technology documentation for PIC18F27K40-I/ML - Microchip Technology.

Datasheets

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

[PIC18\(L\)F27/47K40 Datasheet.pdf](#)


PCN Packaging

[2.73KHz.pdf](#)

PCN Assembly/Origin

 PIC16xxx/PIC18xxx 18/Jun/2021.pdf

PCN Design/Specification

 PIC18(L)F27/47K40 01/Nov/2017.pdf

 PIC18(L)F27/47K40 29/May/2018.pdf

Customers Also Interested in

Recommended Products



PIC18F27J53-I/SS

Microchip Technology
IC MCU 8BIT 128KB FLASH 28SSOP



PIC18F27J53T-I/SS

Microchip Technology
IC MCU 8BIT 128KB FLASH 28SSOP



PIC18F26K83-E/SSVAO

Microchip Technology
IC MCU 8BIT 64KB FLASH 28SSOP



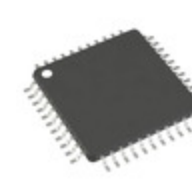
PIC18F27K42-I/SS

Microchip Technology
IC MCU 8BIT 128KB FLASH 28SSOP



PIC18F4220-I/PT

Microchip Technology
IC MCU 8BIT 4KB FLASH 44TQFP



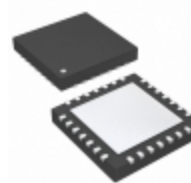
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IC MCU 8BIT 8KB FLASH 44TQFP



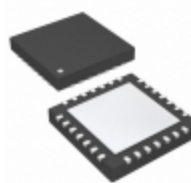
PIC18F4320-I/P

Microchip Technology
IC MCU 8BIT 8KB FLASH 40DIP



PIC18F26Q10-E/STX

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IC MCU 8BIT 64KB FLASH 28VQFN



PIC18F26K83-I/ML

Microchip Technology
IC MCU 8BIT 64KB FLASH 28QFN



PIC18F27Q84-I/SS

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IC MCU 8BIT 128KB FLASH 28SSOP



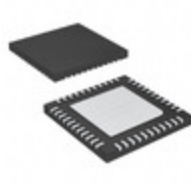
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IC MCU 8BIT 64KB FLASH 28SSOP



PIC18F26Q10-E/SS

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IC MCU 8BIT 64KB FLASH 28SSOP



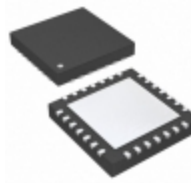
PIC18F4320-I/ML

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IC MCU 8BIT 8KB FLASH 44QFN



PIC18F27K40T-I/SS

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IC MCU 8BIT 128KB FLASH 28SSOP



PIC18F27Q10-I/STX

Microchip Technology
IC MCU 8BIT 128KB FLASH 28VQFN



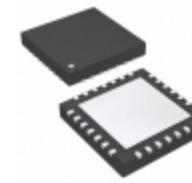
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IC MCU 8BIT 128KB FLASH 28SSOP



PIC18F26K83-I/SS

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IC MCU 8BIT 64KB FLASH 28SSOP



PIC18F26K83-E/ML

Microchip Technology
IC MCU 8BIT 64KB 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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