



Image may be representation.
See specifications for product details.



PIC18F24Q10-I/SS

Manufacturer Part Number	PIC18F24Q10-I/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F24Q10-I/SS
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 28SSOP
Package	28-SSOP (0.209", 5.30mm Width)
Data sheet	PIC18F24/25Q10 Datasheet.pdf PIC18F2X/4XQ10 Brief.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC18F24Q10-I/SS - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F24Q10-I/SS datasheet/specifications on AllelcoElec.com.
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Specifications

PIC18F24Q10-I/SS Tech Specifications
PIC18F24Q10-I/SS - 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 ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SSOP	Number of I/O	25
Speed	64MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18Q, Functional Safety (FuSa)	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 24x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	28-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC18F24
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F24Q10-I/SS

Product Attribute				
Part Number	PIC18F24Q10-I/SS	PIC18F24K22T-I/ML	PIC18F24Q10T-I/SS	PIC18F24K22-I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Processor	PIC	PIC	PIC	PIC
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Program Memory Size	16KB (16K x 8)	16KB (8K x 16)	16KB (16K x 8)	16KB (8K x 16)
Series	PIC® XLP™ 18Q, Functional Safety (FuSa)	PIC® XLP™ 18K	PIC® XLP™ 18Q, Functional Safety (FuSa)	PIC® XLP™ 18K
RAM Size	1K x 8	768 x 8	1K x 8	768 x 8
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	28-SSOP	28-QFN (6x6)	28-SSOP	28-SOIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	2.3V ~ 5.5V	1.8V ~ 5.5V	2.3V ~ 5.5V
Speed	64MHz	64MHz	64MHz	64MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	28-SSOP (0.209", 5.30mm Width)	28-VQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)	28-SOIC (0.295", 7.50mm Width)
Number of I/O	25	24	25	24
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Base Product Number	PIC18F24	PIC18F24	PIC18F24	PIC18F24
Data Converters	A/D 24x10b; D/A 1x5b	A/D 19x10b	A/D 24x10b; D/A 1x5b	A/D 19x10b

PIC18F24Q10-I/SS Datasheet PDF

Download PIC18F24Q10-I/SS pdf datasheets and Microchip Technology documentation for PIC18F24Q10-I/SS - Microchip Technology.

Datasheets

[PIC18F24/25Q10 Datasheet.pdf](#)

[PIC18F2X/4XQ10 Brief.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

PCN Design/Specification



PIC18F26/45/46Q10 17/Sep/2019.pdf



PIC18F24/25Q10 11/Dec/2020.pdf

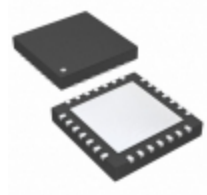
Errata



PIC18F24/25Q10 Errata.pdf

Customers Also Interested in

Recommended Products



PIC18F24K22T-I/ML

Microchip Technology
IC MCU 8BIT 16KB FLASH 28QFN



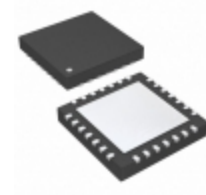
PIC18F24Q10T-I/SS

Microchip Technology
IC MCU 8BIT 16KB FLASH 28SSOP



PIC18F24K22-I/SO

Microchip Technology
IC MCU 8BIT 16KB FLASH 28SOIC



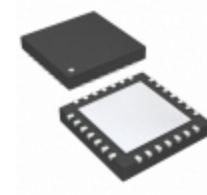
PIC18F24K22-E/ML

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IC MCU 8BIT 16KB FLASH 28QFN



PIC18F2520-I/SO

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IC MCU 8BIT 32KB FLASH 28SOIC



PIC18F2520-E/ML

Microchip Technology
IC MCU 8BIT 32KB FLASH 28QFN



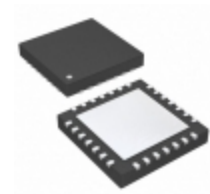
PIC18F2510-I/SO

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PIC18F24Q10-E/ML

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IC MCU 8BIT 16KB FLASH 28QFN



PIC18F24K50-I/ML

Microchip Technology
IC MCU 8BIT 16KB FLASH 28QFN



PIC18F24K22-I/SS

Microchip Technology
IC MCU 8BIT 16KB FLASH 28SSOP



PIC18F252-I/SO

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IC MCU 8BIT 32KB FLASH 28SOIC



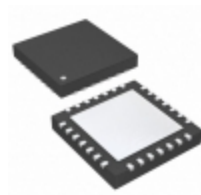
PIC18F2510T-I/SO

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IC MCU 8BIT 32KB FLASH 28SOIC



PIC18F2520-I/SP

Microchip Technology
IC MCU 8BIT 32KB FLASH 28SPDIP



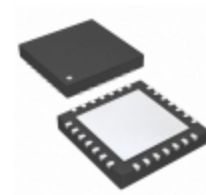
PIC18F24K50T-I/ML

Microchip Technology
IC MCU 8BIT 16KB FLASH 28QFN



PIC18F2520T-I/SO

Microchip Technology
IC MCU 8BIT 32KB FLASH 28SOIC



PIC18F24K22-I/ML

Microchip Technology
IC MCU 8BIT 16KB FLASH 28QFN



PIC18F252-I/SP

Microchip Technology
IC MCU 8BIT 32KB FLASH 28SPDIP



PIC18F2520-E/SO

Microchip Technology
IC MCU 8BIT 32KB 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

Contact us if you have any questions.



Phone

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Email

info@allelco.com

Certifications & Memberships



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