

Image may be representation.  
See specifications for product details.



## PIC18F25Q10T-I/ML

Manufacturer Part Number	<a href="#">PIC18F25Q10T-I/ML</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-PIC18F25Q10T-I/ML
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 32KB FLASH 28QFN
Package	28-VQFN Exposed Pad
Data sheet	<a href="#">PIC18F24/25Q10 Datasheet.pdf</a> <a href="#">PIC18F2X/4XQ10 Brief.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

PIC18F25Q10T-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F25Q10T-I/ML datasheet/specifications on AllelcoElec.com. Request a quote for PIC18F25Q10T-I/ML, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC18F25Q10T-I/ML Tech Specifications  
PIC18F25Q10T-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)	1.8V ~ 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™ 18Q	EEPROM Size	256 x 8
RAM Size	2K x 8	Data Converters	A/D 24x10b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC18F25
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F25Q10T-I/ML

Product Attribute				
Part Number	PIC18F25Q10T-I/ML	<a href="#">PIC18F26J11-I/SO</a>	<a href="#">PIC18F26J11-I/ML</a>	<a href="#">PIC18F25K83T-I/SS</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Speed	64MHz	48MHz	48MHz	64MHz
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	28-VQFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)	28-VQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)
Data Converters	A/D 24x10b; D/A 1x5b	A/D 10x10b	A/D 10x10b	A/D 24x12b; D/A 1x5b
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	2.15V ~ 3.6V	2.15V ~ 3.6V	2.3V ~ 5.5V
Core Processor	PIC	PIC	PIC	PIC
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	PIC® XLP™ 18Q	PIC® XLP™ 18J	PIC® XLP™ 18J	PIC® XLP™ 18K, Functional Safety (FuSa)
Supplier Device Package	28-QFN (6x6)	28-SOIC	28-QFN (6x6)	28-SSOP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	CANbus, I²C, LINbus, SPI, UART/USART
EEPROM Size	256 x 8	-	-	1K x 8
Program Memory Size	32KB (32K x 8)	64KB (32K x 16)	64KB (32K x 16)	32KB (16K x 16)
Base Product Number	PIC18F25	PIC18F26	PIC18F26	PIC18F25
Number of I/O	25	16	16	25
RAM Size	2K x 8	3.8K x 8	3.8K x 8	2K x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Peripherals	Brown-out Detect/Reset, 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
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)

## PIC18F25Q10T-I/ML Datasheet PDF

Download PIC18F25Q10T-I/ML pdf datasheets and Microchip Technology documentation for PIC18F25Q10T-I/ML - 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


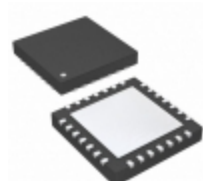







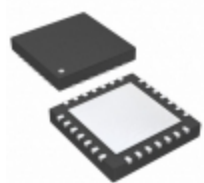

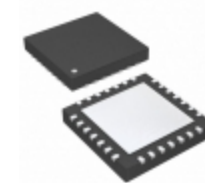


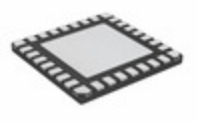



 PIC18F24/25Q10 11/Dec/2020.pdf

## Errata

 PIC18F24/25Q10 Errata.pdf

## Customers Also Interested in

### Recommended Products

					
<b>PIC18F26J11-I/SO</b>	<b>PIC18F26J11-I/ML</b>	<b>PIC18F25K83T-I/SS</b>	<b>PIC18F25K80T-I/SS</b>	<b>PIC18F2682-I/SO</b>	<b>PIC18F25Q10-I/SO</b>
Microchip Technology IC MCU 8BIT 64KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 64KB FLASH 28QFN	Microchip Technology IC MCU 8BIT 32KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 32KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 80KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC
					
<b>PIC18F25Q10-I/SS</b>	<b>PIC18F25K83-E/SO</b>	<b>PIC18F26J11-I/SP</b>	<b>PIC18F25K83-E/ML</b>	<b>PIC18F25K83-E/SS</b>	<b>PIC18F25Q10-I/ML</b>
Microchip Technology IC MCU 8BIT 32KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 64KB FLASH 28SPDIP	Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN	Microchip Technology IC MCU 8BIT 32KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 32KB FLASH 28QFN
					
<b>PIC18F25Q10T-I/SO</b>	<b>PIC18F2685-E/SP</b>	<b>PIC18F25K83-I/MX</b>	<b>PIC18F25Q10T-I/SS</b>	<b>PIC18F25K83-I/SS</b>	<b>PIC18F26J11-I/SS</b>
Microchip Technology IC MCU 8BIT 32KB FLASH 28SOIC	Microchip Technology IC MCU 8BIT 96KB FLASH 28SPDIP	Microchip Technology IC MCU 8BIT 32KB FLASH 28UQFN	Microchip Technology IC MCU 8BIT 32KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 32KB FLASH 28SSOP	Microchip Technology IC MCU 8BIT 64KB FLASH 28SSOP

## 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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