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See specifications for product details.



PIC16F1938-I/ML

Manufacturer Part Number **PIC16F1938-I/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1938-I/ML**

ECAD Model PCB Symbol, Footprint & 3D Model

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

Package **28-VQFN Exposed Pad**

Data sheet **[Next Generation Peripherals Brochure.pdf](#)**

[PIC16\(L\)F19xx Programming Spec.pdf](#)

[PIC16\(L\)F1938,39 Datasheet.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16F1938-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC16F1938-I/ML datasheet/specifications on AllelcoElec.com. Request a quote for PIC16F1938-I/ML, please send us email: info@allelco.com

Specifications

PIC16F1938-I/ML Tech Specifications

PIC16F1938-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	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 16F	EEPROM Size	256 x 8
RAM Size	1K x 8	Data Converters	A/D 11x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	28KB (16K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC16F1938
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1938-I/ML

Product Attribute				
Part Number	PIC16F1938-I/ML	PIC16F1939-E/PT	PIC16F1938-I/SS	PIC16F1938-I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	25	36	25	25
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Program Memory Size	28KB (16K x 14)	28KB (16K x 14)	28KB (16K x 14)	28KB (16K x 14)
Supplier Device Package	28-QFN (6x6)	44-TQFP (10x10)	28-SSOP	28-SOIC
Speed	32MHz	32MHz	32MHz	32MHz
Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Data Converters	A/D 11x10b	A/D 14x10b	A/D 11x10b	A/D 11x10b
Core Processor	PIC	PIC	PIC	PIC
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Oscillator Type	Internal	Internal	Internal	Internal
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
Package / Case	28-VQFN Exposed Pad	44-TQFP	28-SSOP (0.209", 5.30mm Width)	28-SOIC (0.295", 7.50mm Width)
RAM Size	1K x 8	1K x 8	1K x 8	1K x 8
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	PIC16F1938	PIC16F1939	PIC16F1938	PIC16F1938
Package	Tube	Tray	Tube	Tube

PIC16F1938-I/ML Datasheet PDF

Download PIC16F1938-I/ML pdf datasheets and Microchip Technology documentation for PIC16F1938-I/ML - Microchip Technology.

Datasheets

[Next Generation Peripherals Brochure.pdf](#)

[PIC16\(L\)F19xx Programming Spec.pdf](#)





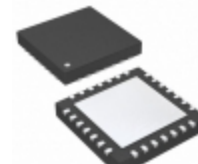
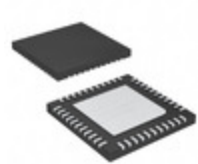
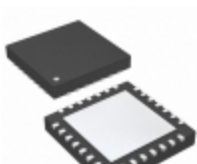

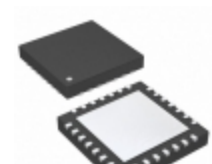
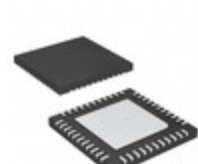


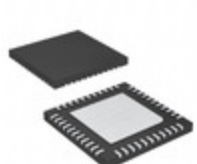



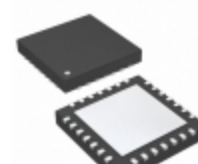

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PCN Packaging

PCN Design/Specification

Customers Also Interested in

Recommended Products

					
PIC16F1939-E/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	PIC16F1938-I/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	PIC16F1938-I/SO Microchip Technology IC MCU 8BIT 28KB FLASH 28SOIC	PIC16F1938T-I/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	PIC16F1936T-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN	PIC16F1937T-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 44QFN
					
PIC16F1938T-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	PIC16F1936T-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	PIC16F1938T-I/ML Microchip Technology IC MCU 8BIT 28KB FLASH 28QFN	PIC16F1939-I/ML Microchip Technology IC MCU 8BIT 28KB FLASH 44QFN	PIC16F1938-E/SS Microchip Technology IC MCU 8BIT 28KB FLASH 28SSOP	PIC16F1937-E/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP
					
PIC16F1937-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 44QFN	PIC16F1937-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16F1936T-I/SO Microchip Technology IC MCU 8BIT 14KB FLASH 28SOIC	PIC16F1937-I/MV Microchip Technology IC MCU 8BIT 14KB FLASH 40UQFN	PIC16F1938-I/MV Microchip Technology IC MCU 8BIT 28KB FLASH 28UQFN	PIC16F1938T-I/SO Microchip Technology IC MCU 8BIT 28KB 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.

	
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Certifications & Memberships



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