

Image may be representation.
See specifications for product details.



PIC16LF1933-I/ML

Manufacturer Part Number **PIC16LF1933-I/ML**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16LF1933-I/ML**

ECAD Model **PCB Symbol, Footprint & 3D Model**

Parts Description **IC MCU 8BIT 7KB FLASH 28QFN**

Package **28-VQFN Exposed Pad**

Data sheet **[PIC16\(L\)F1933 Datasheet.pdf](#)**

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

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16LF1933-I/ML - Microchip Technology. New Original in Stock. Download Linear Technology PIC16LF1933-I/ML datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16LF1933-I/ML, please send us email: info@allelco.com

Specifications

PIC16LF1933-I/ML Tech Specifications

PIC16LF1933-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 ~ 3.6V	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	256 x 8	Data Converters	A/D 11x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	7KB (4K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Connectivity	I ² C, LINbus, SPI, UART/USART
Package / Case	28-VQFN Exposed Pad	Base Product Number	PIC16LF1933
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF1933-I/ML

Product Attribute				
Part Number	PIC16LF1933-I/ML	PIC16LF1934-I/ML	PIC16LF1933T-I/SS	PIC16LF1933-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	28-QFN (6x6)	44-QFN (8x8)	28-SSOP	28-SSOP
RAM Size	256 x 8	256 x 8	256 x 8	256 x 8
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package / Case	28-VQFN Exposed Pad	44-VQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)	28-SSOP (0.209", 5.30mm Width)
Speed	32MHz	32MHz	32MHz	32MHz
Connectivity	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART
Data Converters	A/D 11x10b	A/D 14x10b	A/D 11x10b	A/D 11x10b
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	7KB (4K x 14)	7KB (4K x 14)	7KB (4K x 14)	7KB (4K x 14)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Tube	Tape & Reel (TR)	Tube
Base Product Number	PIC16LF1933	PIC16LF1934	PIC16LF1933	PIC16LF1933
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Number of I/O	25	36	25	25
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F
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, 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
Core Processor	PIC	PIC	PIC	PIC
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V

PIC16LF1933-I/ML Datasheet PDF

Download PIC16LF1933-I/ML pdf datasheets and Microchip Technology documentation for PIC16LF1933-I/ML - Microchip Technology.

PCN Packaging

2.73KHz.pdf


PCN Design/Specification

CuPdAu bond wire 14/Dec/2016.pdf

PCN Assembly/Origin

 2.73KHz.pdf

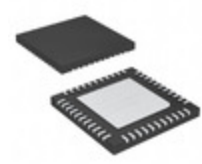






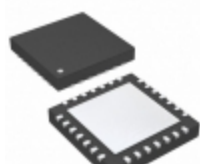





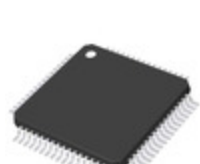
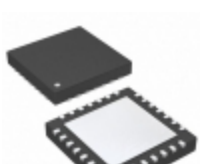
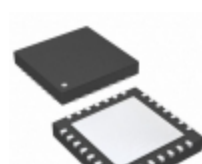


HTML Datasheet

 PIC16(L)F1933 Datasheet.pdf

 PIC16(L)F19xx Programming Spec.pdf

Customers Also Interested in

Recommended Products

					
PIC16LF1934-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 44QFN	PIC16LF1933T-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	PIC16LF1933-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP		PIC16LF1904-I/P Microchip Technology IC MCU 8BIT 7KB FLASH 40DIP	PIC16LF1934-I/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP
					
PIC16LF1903-E/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	PIC16LF1906-I/MV Microchip Technology IC MCU 8BIT 14KB FLASH 28UQFN	PIC16LF19197-I/PT Microchip Technology FLASH	PIC16LF1903-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	PIC16LF1902-I/SS Microchip Technology IC MCU 8BIT 3.5KB FLASH 28SSOP	PIC16LF1936-I/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP
					
PIC16LF1907-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP	PIC16LF19195-I/PT Microchip Technology FLASH	PIC16LF1936-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN	PIC16LF1933-I/MV Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	PIC16LF1936-E/SS Microchip Technology IC MCU 8BIT 14KB FLASH 28SSOP	PIC16LF1936-I/SO Microchip Technology IC MCU 8BIT 14KB 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

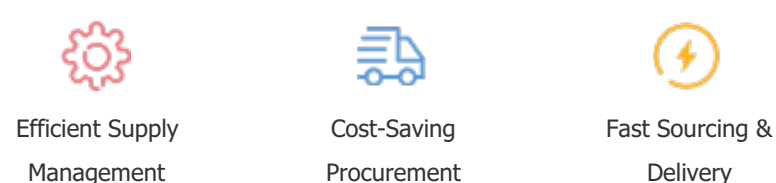
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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