



Image may be representation.
See specifications for product details.



PIC16F1933-E/SS

Manufacturer Part Number **PIC16F1933-E/SS**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F1933-E/SS**

ECAD Model Request Free CAD Models

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

Package **28-SSOP (0.209", 5.30mm Width)**

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

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

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

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC16F1933-E/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F1933-E/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F1933-E/SS, please send us email: info@allelco.com

Specifications

PIC16F1933-E/SS Tech Specifications

PIC16F1933-E/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 ~ 125°C (TA)
Supplier Device Package	28-SSOP	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	I²C, LINbus, SPI, UART/USART
Package / Case	28-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16F1933
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F1933-E/SS

Product Attribute				
Part Number	PIC16F1933-E/SS	PIC16F19197T-I/PT	PIC16F18876T-I/PT	PIC16F1934T-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT
RAM Size	256 x 8	4K x 8	2K x 8	256 x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	1.8V ~ 5.5V
Package / Case	28-SSOP (0.209", 5.30mm Width)	64-TQFP	44-TQFP	44-TQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	PIC® XLP™ 16F	PIC® XLP™ 16F	PIC® XLP™ 16F, Functional Safety (FuSa)	PIC® XLP™ 16F
Program Memory Size	7KB (4K x 14)	56KB (32K x 14)	28KB (16K x 14)	7KB (4K x 14)
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART
Speed	32MHz	32MHz	32MHz	32MHz
Number of I/O	25	59	36	36
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Data Converters	A/D 11x10b	A/D 45x12b; D/A 1x5b	A/D 35x10b; D/A 1x5b	A/D 14x10b
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	PIC16F1933	PIC16F19197	PIC16F18876	PIC16F1934
Supplier Device Package	28-SSOP	64-TQFP (10x10)	44-TQFP (10x10)	44-TQFP (10x10)
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	PIC	PIC	PIC	PIC

PIC16F1933-E/SS Datasheet PDF

Download PIC16F1933-E/SS pdf datasheets and Microchip Technology documentation for PIC16F1933-E/SS - Microchip Technology.

Datasheets

[Next Generation Peripherals Brochure.pdf](#)

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

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

PCN Packaging

PCN Assembly/Origin





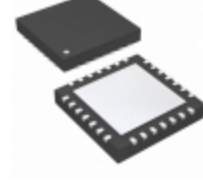
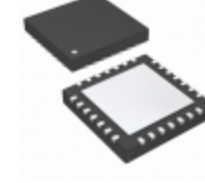




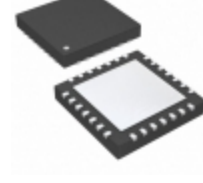







Mult Devices Bond Wire 08/Mar/2018.pdf

PCN Design/Specification

Copper Bond Wire 17/Dec/2014.pdf

Customers Also Interested in

Recommended Products

					
PIC16F19197T-I/PT Microchip Technology IC MCU 8BIT 56KB FLASH 64TQFP	PIC16F18876T-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP	PIC16F1934T-I/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP		PIC16F1933-I/ML Microchip Technology IC MCU 8BIT 7KB FLASH 28QFN	PIC16F1936-I/ML Microchip Technology IC MCU 8BIT 14KB FLASH 28QFN
					
PIC16F19196-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 64TQFP	PIC16F19197-I/PT Microchip Technology IC MCU 8BIT 56KB FLASH 64TQFP	PIC16F19176-I/PT Microchip Technology IC MCU 8BIT 28KB FLASH 44TQFP		PIC16F1933-I/MV Microchip Technology IC MCU 8BIT 7KB FLASH 28UQFN	PIC16F1933-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP
					
PIC16F1934-I/PT Microchip Technology IC MCU 8BIT 7KB FLASH 44TQFP	PIC16F1933T-I/SS Microchip Technology IC MCU 8BIT 7KB FLASH 28SSOP	PIC16F1933-E/SO Microchip Technology IC MCU 8BIT 7KB FLASH 28SOIC	PIC16F1907-I/PT Micrel / Microchip Technology	PIC16F19175-E/P Microchip Technology IC MCU 8BIT 14KB FLASH 40DIP	PIC16F19195-I/PT Microchip Technology IC MCU 8BIT 14KB FLASH 44TQFP

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
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Contact us if you have any questions.

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