



Image may be representation.  
See specifications for product details.



## PIC18F14K22-I/SO

Manufacturer Part Number **PIC18F14K22-I/SO**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC18F14K22-I/SO**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 8BIT 16KB FLASH 20SOIC**

Package **20-SOIC (0.295", 7.50mm Width)**

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

**[PIC18\(L\)F1xK22 Datasheet.pdf](#)**

**[PIC18F1xK22,PIC18LF1xK22 Flash Programming Spec.pdf](#)**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

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## Specifications

PIC18F14K22-I/SO Tech Specifications

PIC18F14K22-I/SO - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	20-SOIC	Number of I/O	17
Speed	64MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18K	EEPROM Size	256 x 8
RAM Size	512 x 8	Data Converters	A/D 12x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	20-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC18F14
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F14K22-I/SO

Product Attribute				
Part Number	PIC18F14K22-I/SO	<b>PIC18F14K22T-I/SO</b>	<b>PIC18F14K50-I/MQ</b>	<b>PIC18F13K50-I/SS</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	8KB (4K x 16)
RAM Size	512 x 8	512 x 8	768 x 8	512 x 8
Package / Case	20-SOIC (0.295", 7.50mm Width)	20-SOIC (0.295", 7.50mm Width)	20-VQFN Exposed Pad	20-SSOP (0.209", 5.30mm Width)
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, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	64MHz	64MHz	48MHz	48MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	2.3V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Series	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18K	PIC® XLP™ 18K
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Supplier Device Package	20-SOIC	20-SOIC	20-VQFN (5x5)	20-SSOP
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART, USB
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 12x10b	A/D 12x10b	A/D 11x10b	A/D 11x10b
Package	Tube	Tape & Reel (TR)	Tube	Tube
Core Processor	PIC	PIC	PIC	PIC
Base Product Number	PIC18F14	PIC18F14	PIC18F14	PIC18F13
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	17	17	14	14

## PIC18F14K22-I/SO Datasheet PDF

Download PIC18F14K22-I/SO pdf datasheets and Microchip Technology documentation for PIC18F14K22-I/SO - Microchip Technology.

### Datasheets


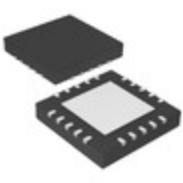


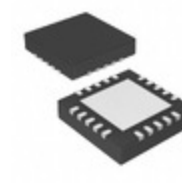
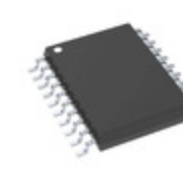




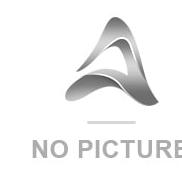





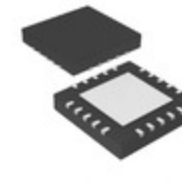

[PIC18\(L\)F1xK22 Datasheet.pdf](#)

### PCN Packaging

## HTML Datasheet

## Customers Also Interested in

### Recommended Products

					
<b>PIC18F14K22T-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20SOIC	<b>PIC18F14K50-I/MQ</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20VQFN	<b>PIC18F13K50-I/SS</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SSOP	<b>PIC18F14K50-I/SS</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20SSOP	<b>PIC18F14K22-I/ML</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20QFN	<b>PIC18F14K22-I/SS</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20SSOP
					
<b>PIC18F13K22T-I/SS</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SSOP	<b>PIC18F14K22-E/SS</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20SSOP	<b>PIC18F14K50-I/P</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20DIP	<b>PIC18F13K22-I/SS</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SSOP	<b>PIC18F13K50T-I/MQ</b> MICROCH	<b>PIC18F13K22-I/SO</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SOIC
					
<b>PIC18F14K22T-I/SS</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20SSOP	<b>PIC18F15Q40-I/SO</b> Microchip Technology IC MCU 8BIT 32KB FLASH 20SOIC	<b>PIC18F14K50-I/SO</b> Microchip Technology IC MCU 8BIT 16KB FLASH 20SOIC	<b>PIC18F13K22-E/SS</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SSOP	<b>PIC18F13K50-I/MQ</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20VQFN	<b>PIC18F13K50-I/SO</b> Microchip Technology IC MCU 8BIT 8KB FLASH 20SOIC

## 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.



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-  Cost-Saving Procurement
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