



PIC24F32KA302-I/SO

Manufacturer Part Number	PIC24F32KA302-I/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC24F32KA302-I/SO
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16BIT 32KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	Cylindrical Battery Holders.pdf PIC24FV32KA304 Family Datasheet.pdf
RoHS Status	ROHS3 Compliant



Get a Quote

PIC24F32KA302-I/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC24F32KA302-I/SO datasheet/specifications on AllelcoElec.com.
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Specifications

PIC24F32KA302-I/SO Tech Specifications
PIC24F32KA302-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)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	24
Speed	32MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 24F	EEPROM Size	512 x 8
RAM Size	2K x 8	Data Converters	A/D 13x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	32KB (11K x 24)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC24F32KA302
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24F32KA302-I/SO

Product Attribute				
Part Number	PIC24F32KA302-I/SO	PIC24F16KM202-I/ML	PIC24F16KL402T-I/ML	PIC24F32KA304T-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Supplier Device Package	28-SOIC	28-QFN (6x6)	28-QFN (6x6)	44-TQFP (10x10)
Core Processor	PIC	PIC	PIC	PIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	512 x 8	512 x 8	512 x 8	512 x 8
Base Product Number	PIC24F32KA302	PIC24F16KM202	PIC24F16KL402	PIC24F32KA304
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Size	32KB (11K x 24)	16KB (5.5K x 24)	16KB (5.5K x 24)	32KB (11K x 24)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
RAM Size	2K x 8	2K x 8	1K x 8	2K x 8
Speed	32MHz	32MHz	32MHz	32MHz
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Series	PIC® XLP™ 24F	PIC® XLP™ 24F	PIC® XLP™ 24F	PIC® XLP™ 24F
Data Converters	A/D 13x12b	A/D 19x10b/12b; D/A 2x8b	A/D 12x10b	A/D 16x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-VQFN Exposed Pad	28-VQFN Exposed Pad	44-TQFP
Number of I/O	24	24	24	39

PIC24F32KA302-I/SO Datasheet PDF

Download PIC24F32KA302-I/SO pdf datasheets and Microchip Technology documentation for PIC24F32KA302-I/SO - Microchip Technology.

Datasheets

[PIC24FV32KA304 Family Datasheet.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)



Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products

PIC24F16KM202-I/ML Microchip Technology IC MCU 16BIT 16KB FLASH 28QFN	PIC24F16KL402T-I/ML Microchip Technology IC MCU 16BIT 16KB FLASH 28QFN	PIC24F32KA304T-I/PT Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	PIC24F32KA304-I/PT Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	PIC24F16KM204-E/PT Microchip Technology IC MCU 16BIT 16KB FLASH 44TQFP	PIC24FJ1024GA606-I/MR Microchip Technology IC MCU 16BIT 1MB FLASH 64QFN
PIC24F16KL402-I Microch	PIC24F16KL402-I/ML Microchip Technology IC MCU 16BIT 16KB FLASH 28QFN	PIC24F32KA301T-I/SS Microchip Technology IC MCU 16BIT 32KB FLASH 20SSOP	PIC24F16KL402-I/SS Microchip Technology IC MCU 16BIT 16KB FLASH 28SSOP	PIC24F32KA304-I/ML Microchip Technology IC MCU 16BIT 32KB FLASH 44QFN	PIC24F16KM202-E/ML Microchip Technology IC MCU 16BIT 16KB FLASH 28QFN
PIC24F32KA302T-I/SS Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	PIC24F32KA301-I/SS Microchip Technology IC MCU 16BIT 32KB FLASH 20SSOP	PIC24F32KA302-I/SS Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	PIC24F32KA304T-I/ML Microchip Technology IC MCU 16BIT 32KB FLASH 44QFN	PIC24F16KM102-I/SS Microchip Technology IC MCU 16BIT 16KB FLASH 28SSOP	PIC24FJ1024GA606-I/PT Microchip Technology IC MCU 16BIT 1MB FLASH 64TQFP

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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