



PIC18F242T-I/SO

Manufacturer Part Number	PIC18F242T-I/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC18F242T-I/SO
ECAD Model	 Request Free CAD Models
Parts Description	IC MCU 8BIT 16KB FLASH 28SOIC
Package	28-SOIC (0.295", 7.50mm Width)
Data sheet	PIC18Fxx2 Datasheet.pdf
RoHs Status	 ROHS3 Compliant


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PIC18F242T-I/SO - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F242T-I/SO datasheet/specifications on AllelcoElec.com.

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Specifications


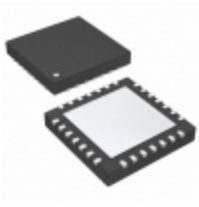


PIC18F242T-I/SO Tech Specifications

PIC18F242T-I/SO - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SOIC	Number of I/O	23
Speed	40MHz	Mounting Type	Surface Mount
Series	PIC® 18F	EEPROM Size	256 x 8
RAM Size	768 x 8	Data Converters	A/D 5x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC18F242
Package	Tape & Reel (TR)		

Parts with Similar Specifications


The three parts on the right have similar specifications to Microchip Technology PIC18F242T-I/SO

Product Attribute	 NO PICTURE			
Part Number	PIC18F242T-I/SO	PIC18F2420-I/ML	PIC18F248-E/SO	PIC18F2420-I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	23	25	22	25
Voltage - Supply (Vcc/Vdd)	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	CANbus, I²C, SPI, UART/USART	I²C, SPI, UART/USART
Speed	40MHz	40MHz	40MHz	40MHz
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	768 x 8	768 x 8	768 x 8	768 x 8
Package / Case	28-SOIC (0.295", 7.50mm Width)	28-QFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)	28-SOIC (0.295", 7.50mm Width)
EEPROM Size	256 x 8	256 x 8	256 x 8	256 x 8
Supplier Device Package	28-SOIC	28-QFN (6x6)	28-SOIC	28-SOIC
Oscillator Type	External	Internal	External	Internal
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT
Base Product Number	PIC18F242	PIC18F2420	PIC18F248	PIC18F2420
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	PIC	PIC	PIC	PIC
Program Memory Size	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)	16KB (8K x 16)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 5x10b	A/D 10x10b	A/D 5x10b	A/D 10x10b
Series	PIC® 18F	PIC® 18F	PIC® 18F	PIC® 18F
Package	Tape & Reel (TR)	Tube	Tube	Tube
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount


PIC18F242T-I/SO Datasheet PDF


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Datasheets


[PIC18Fxx2 Datasheet.pdf](#)

PCN Packaging

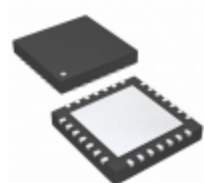







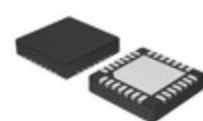



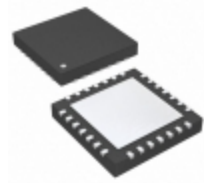


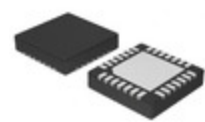



[Label and Packing Changes 23/Sep/2015.pdf](#)


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

 Bond Wire 16/Aug/2018.pdf

Customers Also Interested in

Recommended Products

					
PIC18F2420-I/ML Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	PIC18F248-E/SO Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	PIC18F2420-I/SO Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	PIC18F2450-I/SP Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP	PIC18F242-I/SO Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	PIC18F2455-I/SO Microchip Technology IC MCU 8BIT 24KB FLASH 28SOIC
					
PIC18F2420-I/SP Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP	PIC18F2455-I/SP Microchip Technology IC MCU 8BIT 24KB FLASH 28SPDIP	PIC18F2431-I/MM Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	PIC18F2423-I/SP Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP	PIC18F248-I/SO Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	PIC18F2450-I/SO Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC
					
PIC18F2420-E/ML Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	PIC18F248-I/SP Microchip Technology IC MCU 8BIT 16KB FLASH 28SPDIP	PIC18F2423-I/SO Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	PIC18F2431T-I/MM Microchip Technology IC MCU 8BIT 16KB FLASH 28QFN	PIC18F2431-I/SO Microchip Technology IC MCU 8BIT 16KB FLASH 28SOIC	PIC18F2420T-I/SO Microchip Technology IC MCU 8BIT 16KB 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
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Contact us if you have any questions.

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