



Image may be representation.  
See specifications for product details.



## PIC16F627AT-I/SO

Manufacturer Part Number **PIC16F627AT-I/SO**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC16F627AT-I/SO**

ECAD Model Request Free CAD Models

Parts Description **IC MCU 8BIT 1.75KB FLASH 18SOIC**

Package **18-SOIC (0.295", 7.50mm Width)**

Data sheet **MPLAB® ICE2000 Spec.pdf**

**Tips N Tricks Guide.pdf**

**PIC16F627A/628A/648A.pdf**

**PIC16F(627,628,648)A Programming Spec.pdf**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

PIC16F627AT-I/SO - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F627AT-I/SO datasheet/specifications on AllelcoElec.com.  
Request a quote for PIC16F627AT-I/SO, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC16F627AT-I/SO Tech Specifications

PIC16F627AT-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)	3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	18-SOIC	Number of I/O	16
Speed	20MHz	Mounting Type	Surface Mount
Series	PIC® 16F	EEPROM Size	128 x 8
RAM Size	224 x 8	Data Converters	-
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	1.75KB (1K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	UART/USART
Package / Case	18-SOIC (0.295", 7.50mm Width)	Base Product Number	PIC16F627
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F627AT-I/SO

Product Attribute				
Part Number	PIC16F627AT-I/SO	PIC16F628-20/P	PIC16F627-20/SS	PIC16F627A-E/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Data Converters	-	-	-	-
Program Memory Size	1.75KB (1K x 14)	3.5KB (2K x 14)	1.75KB (1K x 14)	1.75KB (1K x 14)
Oscillator Type	Internal	Internal	Internal	Internal
EEPROM Size	128 x 8	128 x 8	128 x 8	128 x 8
Speed	20MHz	20MHz	20MHz	20MHz
Core Processor	PIC	PIC	PIC	PIC
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
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Package	Tape & Reel (TR)	Tube	Tube	Tube
Package / Case	18-SOIC (0.295", 7.50mm Width)	18-DIP (0.300", 7.62mm)	20-SSOP (0.209", 5.30mm Width)	20-SSOP (0.209", 5.30mm Width)
Base Product Number	PIC16F627	PIC16F628	PIC16F627	PIC16F627
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	16	16	16	16
Operating Temperature	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 125°C (TA)
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F
Supplier Device Package	18-SOIC	18-PDIP	20-SSOP	20-SSOP
Connectivity	UART/USART	UART/USART	UART/USART	UART/USART
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
RAM Size	224 x 8	224 x 8	224 x 8	224 x 8

## PIC16F627AT-I/SO Datasheet PDF


Download PIC16F627AT-I/SO pdf datasheets and Microchip Technology documentation for PIC16F627AT-I/SO - Microchip Technology.

### Datasheets


MPLAB® ICE2000 Spec.pdf


Tips N Tricks Guide.pdf

PIC16F627A/628A/648A.pdf

 PIC16F(627,628,648)A Programming Spec.pdf

## PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

## PCN Design/Specification

 Die Attach Material Add 13/Oct/2015.pdf

 PdCu Wire Update 18/Feb/2015.pdf

## PCN Assembly/Origin

 Bond Wire 16/Aug/2018.pdf

## Customers Also Interested in

### Recommended Products



#### PIC16F628-20/P

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 18DIP



#### PIC16F627-20/SS

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 20SSOP



#### PIC16F627A-E/SS

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 20SSOP



#### PIC16F627A-I/SS

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 20SSOP



#### PIC16F627A-I/SO

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 18SOIC



#### PIC16F627A-E/P

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 18DIP



#### PIC16F627A-I/P

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 18DIP



#### PIC16F628-04I/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP



#### PIC16F628-20I/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP



#### PIC16F628-20/SO

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 18SOIC



#### PIC16F628-20I/SO

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 18SOIC



#### PIC16F627-20I/P

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 18DIP



#### PIC16F627-20/SO

Microchip Technology  
IC MCU 8BIT 1.75KB FLASH 18SOIC



#### PIC16F628-04/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP



#### PIC16F628-04/P

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 18DIP



#### PIC16F628-20/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP



#### PIC16F628-20I/P

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 18DIP



#### PIC16F628A-E/SS

Microchip Technology  
IC MCU 8BIT 3.5KB FLASH 20SSOP

## 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 Alleco 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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@alleco.com

## Certifications & Memberships



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