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See specifications for product details.



PIC16LF627A-I/SO

Manufacturer Part Number	PIC16LF627A-I/SO
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC16LF627A-I/SO
ECAD Model	PCB Footprint and Symbol
Parts Description	IC MCU 8BIT 1.75KB FLASH 18SOIC
Package	18-SOIC (0.295", 7.50mm Width)
Data sheet	PIC16F627A/628A/648A.pdf PIC16F62x Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC16LF627A-I/SO - Microchip Technology.New Original in Stock. Download Linear Technology PIC16LF627A-I/SO datasheet/specifications on AllelcoElec.com.
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Specifications

PIC16LF627A-I/SO Tech Specifications
PIC16LF627A-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)	2V ~ 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	PIC16LF627
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16LF627A-I/SO

Product Attribute				
Part Number	PIC16LF627A-I/SO	PIC16LF1939T-I/ML	PIC16LF627-04I/SO	PIC16LF627-04/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	20MHz	32MHz	4MHz	4MHz
Series	PIC® 16F	PIC® XLP™ 16F	PIC® 16F	PIC® 16F
Base Product Number	PIC16LF627	PIC16LF1939	PIC16LF627	PIC16LF627
Package	Tube	Tape & Reel (TR)	Tube	Tube
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	UART/USART	I²C, LINbus, SPI, UART/USART	UART/USART	UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)
Program Memory Size	1.75KB (1K x 14)	28KB (16K x 14)	1.75KB (1K x 14)	1.75KB (1K x 14)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Data Converters	-	A/D 14x10b	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Voltage - Supply (Vcc/Vdd)	2V ~ 5.5V	1.8V ~ 3.6V	2V ~ 5.5V	2V ~ 5.5V
Supplier Device Package	18-SOIC	44-QFN (8x8)	18-SOIC	18-SOIC
Package / Case	18-SOIC (0.295", 7.50mm Width)	44-VQFN Exposed Pad	18-SOIC (0.295", 7.50mm Width)	18-SOIC (0.295", 7.50mm Width)
Number of I/O	16	36	16	16
Core Processor	PIC	PIC	PIC	PIC
RAM Size	224 x 8	1K x 8	224 x 8	224 x 8
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
EEPROM Size	128 x 8	256 x 8	128 x 8	128 x 8

PIC16LF627A-I/SO Datasheet PDF

Download PIC16LF627A-I/SO pdf datasheets and Microchip Technology documentation for PIC16LF627A-I/SO - Microchip Technology.

Datasheets

[PIC16F62x Datasheet.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

Errata



Timer1 Module Silicon Errata Sheet.pdf

HTML Datasheet



PIC16F627A/628A/648A.pdf

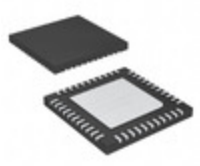
PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products



PIC16LF1939T-I/ML

Microchip Technology
IC MCU 8BIT 28KB FLASH 44QFN



PIC16LF627-04I/SO

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 18SOIC



PIC16LF627-04/SO

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 18SOIC



PIC16LF1947-E/PT

Microchip Technology
IC MCU 8BIT 28KB FLASH 64TQFP



PIC16LF627-04

PIC GmbH



PIC16LF628-04/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18SOIC



PIC16LF628T-04I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16LF1946-I/PT

Microchip Technology
IC MCU 8BIT 14KB FLASH 64TQFP



PIC16LF628-04I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18DIP



PIC16LF627-04I/SS

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20SSOP



PIC16LF627A-I/SS

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20SSOP



PIC16LF627A-I/P

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 18DIP



PIC16LF1947-I/PT

Microchip Technology
IC MCU 8BIT 28KB FLASH 64TQFP



PIC16LF628AT-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



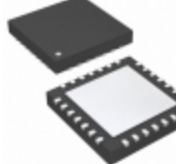
PIC16LF628-04/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18DIP



PIC16LF628A-I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16LF628A-I/ML

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 28QFN



PIC16LF628-04I/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.



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Certifications & Memberships



View More

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