



Image may be representation.
See specifications for product details.



PIC16F628A-I/SS

Manufacturer Part Number [PIC16F628A-I/SS](#)

Manufacturer [Microchip Technology](#)

Allelco Part Number 32D-PIC16F628A-I/SS

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description IC MCU 8BIT 3.5KB FLASH 20SSOP

Package 20-SSOP (0.209", 5.30mm 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

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PIC16F628A-I/SS - Microchip Technology.New Original in Stock. Download Linear Technology PIC16F628A-I/SS datasheet/specifications on AllelcoElec.com.
Request a quote for PIC16F628A-I/SS, please send us email: info@allelco.com

Specifications

PIC16F628A-I/SS Tech Specifications

PIC16F628A-I/SS - 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	20-SSOP	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	3.5KB (2K x 14)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	UART/USART
Package / Case	20-SSOP (0.209", 5.30mm Width)	Base Product Number	PIC16F628
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC16F628A-I/SS

Product Attribute				
Part Number	PIC16F628A-I/SS	PIC16F628-20/SO	PIC16F628A-I/P	PIC16F628-20I/SO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	20-SSOP (0.209", 5.30mm Width)	18-SOIC (0.295", 7.50mm Width)	18-DIP (0.300", 7.62mm)	18-SOIC (0.295", 7.50mm Width)
Package	Tube	Tube	Tube	Tube
Base Product Number	PIC16F628	PIC16F628	PIC16F628	PIC16F628
Program Memory Size	3.5KB (2K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)	3.5KB (2K x 14)
RAM Size	224 x 8	224 x 8	224 x 8	224 x 8
EEPROM Size	128 x 8	128 x 8	128 x 8	128 x 8
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V	3V ~ 5.5V
Data Converters	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Connectivity	UART/USART	UART/USART	UART/USART	UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Speed	20MHz	20MHz	20MHz	20MHz
Operating Temperature	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	16	16	16	16
Supplier Device Package	20-SSOP	18-SOIC	18-PDIP	18-SOIC
Core Processor	PIC	PIC	PIC	PIC
Series	PIC® 16F	PIC® 16F	PIC® 16F	PIC® 16F

PIC16F628A-I/SS Datasheet PDF


Download PIC16F628A-I/SS pdf datasheets and Microchip Technology documentation for PIC16F628A-I/SS - 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

 Lead Frame 22/Dec/2016.pdf

PCN Assembly/Origin

 Mult Devices Bond Wire 08/Mar/2018.pdf

Customers Also Interested in

Recommended Products



PIC16F628-20/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18SOIC



PIC16F628A-I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18DIP



PIC16F628-20I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18SOIC



PIC16F631T-I/SS

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20SSOP



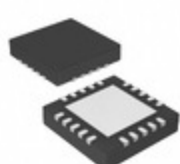
PIC16F628-20I/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18DIP



PIC16F628A-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18SOIC



PIC16F631-I/ML

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20QFN



PIC16F628-20I/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



PIC16F631-I/SS

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20SSOP



PIC16F631-I/SO

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 20SOIC



PIC16F630-I/ST

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 14TSSOP



PIC16F628AT-I/SO

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18SOIC



PIC16F630T-I/SL

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 14SOIC



PIC16F628-20/P

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 18DIP



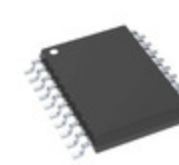
PIC16F630-I/SL

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 14SOIC



PIC16F630-I/P

Microchip Technology
IC MCU 8BIT 1.75KB FLASH 14DIP



PIC16F628-20/SS

Microchip Technology
IC MCU 8BIT 3.5KB FLASH 20SSOP



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 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

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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