



Image may be representation.
See specifications for product details.



AT90S2313-4SI

Manufacturer Part Number	AT90S2313-4SI
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT90S2313-4SI
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 2KB FLASH 20SOIC
Package	20-SOIC (0.295", 7.50mm Width)
Data sheet	AT90S2313.pdf

Get a Quote

AT90S2313-4SI - Microchip Technology. New Original in Stock. Download Linear Technology AT90S2313-4SI datasheet/specifications on AllelcoElec.com.
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Specifications

AT90S2313-4SI Tech Specifications

AT90S2313-4SI - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	2.7V ~ 6V	Operating Temperature	-40°C ~ 85°C
Supplier Device Package	20-SOIC	Number of I/O	15
Speed	4MHz	Mounting Type	Surface Mount
Series	AVR® 90S	EEPROM Size	128 x 8
RAM Size	128 x 8	Data Converters	-
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	2KB (1K x 16)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	SPI, UART/USART
Package / Case	20-SOIC (0.295", 7.50mm Width)	Base Product Number	AT90S2313
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT90S2313-4SI

Product Attribute				
Part Number	AT90S2313-4SI	AT90S2313-10PC	AT90S2313-10PI	AT90S4414-4PC
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Supply (Vcc/Vdd)	2.7V ~ 6V	4V ~ 6V	4V ~ 6V	2.7V ~ 6V
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	20-SOIC	20-PDIP	20-PDIP	40-PDIP
Mounting Type	Surface Mount	Through Hole	Through Hole	Through Hole
Connectivity	SPI, UART/USART	SPI, UART/USART	SPI, UART/USART	SPI, UART/USART
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	PWM, WDT
Package / Case	20-SOIC (0.295", 7.50mm Width)	20-DIP (0.300", 7.62mm)	20-DIP (0.300", 7.62mm)	40-DIP (0.600", 15.24mm)
Core Processor	AVR	AVR	AVR	AVR
Number of I/O	15	15	15	32
Data Converters	-	-	-	-
Oscillator Type	External	External	External	Internal
Base Product Number	AT90S2313	AT90S2313	AT90S2313	AT90S4414
Series	AVR® 90S	AVR® 90S	AVR® 90S	AVR® 90S
Package	Tube	Tube	Tube	Tube
Operating Temperature	-40°C ~ 85°C	0°C ~ 70°C (TA)	-40°C ~ 85°C	0°C ~ 70°C
EEPROM Size	128 x 8	128 x 8	128 x 8	256 x 8
Speed	4MHz	10MHz	10MHz	4MHz
RAM Size	128 x 8	128 x 8	128 x 8	256 x 8
Program Memory Size	2KB (1K x 16)	2KB (1K x 16)	2KB (1K x 16)	4KB (2K x 16)

AT90S2313-4SI Datasheet PDF

Download AT90S2313-4SI pdf datasheets and Microchip Technology documentation for AT90S2313-4SI - Microchip Technology.

Datasheets

[AT90S2313.pdf](#)














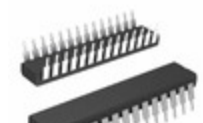




PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

Customers Also Interested in

Recommended Products

					
AT90S2313-10PC Microchip Technology IC MCU 8BIT 2KB FLASH 20DIP	AT90S2313-10PI Microchip Technology IC MCU 8BIT 2KB FLASH 20DIP	AT90S4414-4PC Microchip Technology IC MCU 8BIT 4KB FLASH 40DIP	AT90S4414-4AC Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP	AT90S2313-10SC Microchip Technology IC MCU 8BIT 2KB FLASH 20SOIC	AT90S2313-4PC Microchip Technology IC MCU 8BIT 2KB FLASH 20DIP
					
AT90S1200A-4YC Microchip Technology IC MCU 8BIT 1KB FLASH 20SSOP	AT90S2313-4SC Microchip Technology IC MCU 8BIT 2KB FLASH 20SOIC	AT90S4414-4AI Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP	AT90S2333-8PI Microchip Technology IC MCU 8BIT 2KB FLASH 28DIP	AT90S2323-10SC Microchip Technology IC MCU 8BIT 2KB FLASH 8SOIC	AT90S1200A-4PC Microchip Technology IC MCU 8BIT 1KB FLASH 20DIP
					
AT90S2323-10PI Microchip Technology IC MCU 8BIT 2KB FLASH 8DIP	AT90S2333-8PC Microchip Technology IC MCU 8BIT 2KB FLASH 28DIP	AT90S1200A-4SI Microchip Technology IC MCU 8BIT 1KB FLASH 20SOIC	AT90S4414-8JC Microchip Technology IC MCU 8BIT 4KB FLASH 44PLCC	AT90S4414-8AC Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP	AT90S4414-4JI Microchip Technology IC MCU 8BIT 4KB FLASH 44PLCC

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 -



Contact us if you have any questions.



Certifications & Memberships



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