




## AT91M40800-33AI

Manufacturer Part Number	<b>AT91M40800-33AI</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-AT91M40800-33AI
ECAD Model	 Request Free CAD Models
Parts Description	IC MCU 16/32BIT ROMLESS 100LQFP
Package	100-LQFP
Data sheet	<a href="#">AT91M40800 Elect Characteristics.pdf</a> <a href="#">AT91M40800 Summary.pdf</a> <a href="#">AT91x40 Series Datasheet.pdf</a>



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## Specifications

AT91M40800-33AI Tech Specifications  
AT91M40800-33AI - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	32
Speed	33MHz	Mounting Type	Surface Mount
Series	AT91	EEPROM Size	-
RAM Size	8K x 8	Data Converters	-
Program Memory Type	ROMless	Core Size	16/32-Bit
Program Memory Size	-	Core Processor	ARM7®
Peripherals	POR, WDT	Connectivity	EBI/EMI, UART/USART
Package / Case	100-LQFP	Base Product Number	AT91M40800
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT91M40800-33AI

Product Attribute	 NO PICTURE			
Part Number	AT91M40800-33AI	<a href="#">AT91FR40162S-CJ</a>	<a href="#">AT91M42800A-33AU</a>	<a href="#">AT91M43300-25CI</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	100-LQFP	121-TFBGA	144-LQFP	144-LFBGA
Connectivity	EBI/EMI, UART/USART	EBI/EMI, UART/USART	EBI/EMI, SPI, UART/USART	EBI/EMI, SPI, UART/USART
Package	Tray	Tray	Tray	Tray
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.65V ~ 1.95V	2.7V ~ 3.6V	1.8V ~ 3.6V
Speed	33MHz	75MHz	33MHz	25MHz
Program Memory Type	ROMless	FLASH	ROMless	ROMless
Program Memory Size	-	2MB (1M x 16)	-	-
Series	AT91	AT91	AT91	AT91
Number of I/O	32	32	54	58
Supplier Device Package	100-LQFP (14x14)	121-BGA (10x10)	144-LQFP (20x20)	144-BGA (13x13)
RAM Size	8K x 8	256K x 8	8K x 8	3K x 8
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM7®	ARM7®	ARM7®	ARM7®
Peripherals	POR, WDT	WDT	WDT	WDT
Base Product Number	AT91M40800	AT91FR40162	AT91M42800A	AT91M43300
Oscillator Type	External	External	External	External
Core Size	16/32-Bit	16/32-Bit	16/32-Bit	16/32-Bit
Data Converters	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

## AT91M40800-33AI Datasheet PDF

Download AT91M40800-33AI pdf datasheets and Microchip Technology documentation for AT91M40800-33AI - Microchip Technology.

### PCN Packaging



MBB/Label Chgs 16/Nov/2018.pdf



Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

### HTML Datasheet



AT91M40800 Elect Characteristics.pdf



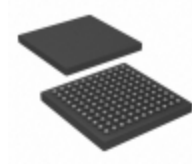
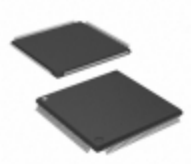
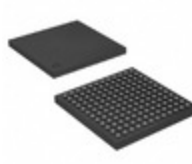

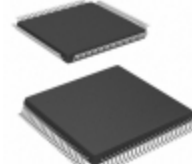
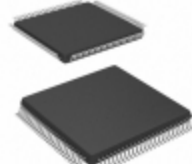
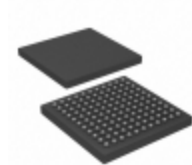


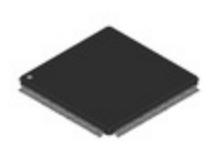

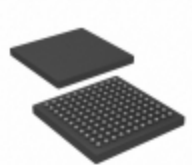

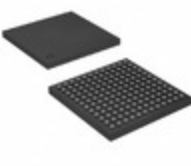
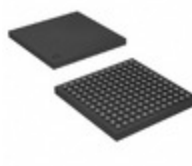
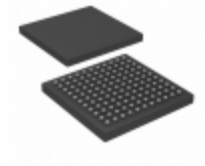

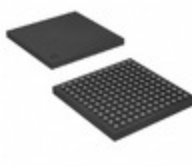
AT91M40800 Summary.pdf



AT91x40 Series Datasheet.pdf

## Customers Also Interested in

### Recommended Products

					
<b>AT91FR40162S-CJ</b> Microchip Technology IC MCU 16/32BIT 2MB FLASH 121BGA	<b>AT91M42800A-33AU</b> Microchip Technology IC MCU 16/32BIT ROMLESS 144LQFP	<b>AT91M43300-25CI</b> Microchip Technology IC MCU 16/32BIT ROMLESS 144BGA	<b>AT91FR40162SB-CI</b> Atmel (Microchip Technology)	<b>AT91M40400-33AC</b> Microchip Technology IC MCU 16/32BIT ROMLESS 100TQFP	<b>AT91M40400-25AI</b> Microchip Technology IC MCU 16/32BIT ROMLESS 100TQFP
					
<b>AT91FR40162SB-CU</b> Microchip Technology IC MCU 16/32BIT 2MB FLASH 121BGA	<b>AT91FR4081-33CI</b> Microchip Technology IC MCU 16/32BIT 1MB FLASH 120BGA	<b>AT91M40800-33AU</b> Microchip Technology IC MCU 16/32BIT ROMLESS 100LQFP	<b>AT91M42800A-33AU</b> Atmel IC MCU 16/32BIT ROMLESS 144LQFP	<b>AT91M40400-25AC</b> Microchip Technology IC MCU 16/32BIT ROMLESS 100TQFP	<b>AT91FR40162-CI</b> Microchip Technology IC MCU 16/32BIT 2MB FLASH 121BGA
					
<b>AT91FR40162S</b> Atmel (Microchip Technology)	<b>AT91M42800A-33CI</b> Microchip Technology IC MCU 16/32BIT ROMLESS 144BGA	<b>AT91M43300-25CJ</b> Microchip Technology IC MCU 16/32BIT ROMLESS 144BGA	<b>AT91FR4042-CI</b> Microchip Technology IC MCU 16/32B 512KB FLASH 121BGA	<b>AT91M42800A-33CJ</b> Atmel IC MCU 16/32BIT ROMLESS 144BGA	<b>AT91M42800A-33CJ</b> Microchip Technology IC MCU 16/32BIT ROMLESS 144BGA

## 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.



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-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone  
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-  Email  
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