



Image may be representation.
See specifications for product details.



ATSAMC20J18A-ANT

Manufacturer Part Number **ATSAMC20J18A-ANT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-ATSAMC20J18A-ANT**

ECAD Model **PCB Symbol, Footprint & 3D Model**

Parts Description **IC MCU 32BIT 256KB FLASH 64TQFP**

Package **64-TQFP**

Data sheet **SAM C20,C21 Complete.pdf**

SAMC20 Datasheet Summary.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

ATSAMC20J18A-ANT - Microchip Technology.New Original in Stock. Download Linear Technology ATSAMC20J18A-ANT datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAMC20J18A-ANT, please send us email: info@allelco.com

Specifications

ATSAMC20J18A-ANT Tech Specifications

ATSAMC20J18A-ANT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	64-TQFP (10x10)	Number of I/O	52
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM C20	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 12x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, WDT	Connectivity	I ² C, LINbus, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	ATSAMC20
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAMC20J18A-ANT

Product Attribute				
Part Number	ATSAMC20J18A-ANT	ATSAMC21E15A-MUT	ATSAMC20J18A-MUT	ATSAMC20J17A-AUT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, DMA, POR, WDT	Brown-out Detect/Reset, DMA, POR, WDT	Brown-out Detect/Reset, DMA, POR, WDT	Brown-out Detect/Reset, DMA, POR, WDT
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	ATSAMC20	ATSAMC21	ATSAMC20	ATSAMC20
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	64-TQFP	32-VFQFN Exposed Pad	64-VFQFN Exposed Pad	64-TQFP
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Data Converters	A/D 12x12b	A/D 10x12b, 1x16b; D/A 1x10b	A/D 12x12b	A/D 12x12b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I ² C, LINbus, SPI, UART/USART	CANbus, I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART	I ² C, LINbus, SPI, UART/USART
Series	SAM C20	SAM C21, Functional Safety (FuSa)	SAM C20	SAM C20
Speed	48MHz	48MHz	48MHz	48MHz
RAM Size	32K x 8	4K x 8	32K x 8	16K x 8
Program Memory Size	256KB (256K x 8)	32KB (32K x 8)	256KB (256K x 8)	128KB (128K x 8)
Supplier Device Package	64-TQFP (10x10)	32-VQFN (5x5)	64-QFN (9x9)	64-TQFP (10x10)
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Number of I/O	52	26	52	52
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core

ATSAMC20J18A-ANT Datasheet PDF

Download ATSAMC20J18A-ANT pdf datasheets and Microchip Technology documentation for ATSAMC20J18A-ANT - Microchip Technology.

Datasheets

SAM C20,C21 Complete.pdf


PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

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

PCN Design/Specification

 ATSAMC20xxx/ATSAMC21xxx 01/Feb/2022.pdf

 Product test flow change 02/May/2022.pdf

PCN Assembly/Origin


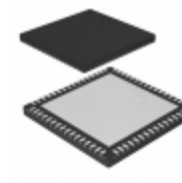









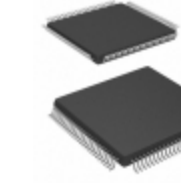






 2.73KHz.pdf

HTML Datasheet

 SAMC20 Datasheet Summary.pdf

Customers Also Interested in

Recommended Products

					
ATSAMC21E15A-MUT Microchip Technology IC MCU 32BIT 32KB FLASH 32VQFN	ATSAMC20J18A-MUT Microchip Technology IC MCU 32BIT 256KB FLASH 64QFN	ATSAMC20J18A-AUTES Atmel (Microchip Technology)	ATSAMC20J17A-AUT Microchip Technology IC MCU 32BIT 128KB FLASH 64TQFP	ATSAMC20G18A-AZ Micrel / Microchip Technology	ATSAMC20G17A-AZ Micrel / Microchip Technology
					
ATSAMC20G18A-MUT Microchip Technology IC MCU 32BIT 256KB FLASH 48QFN	ATSAMC20J17A-UUT Microchip Technology IC MCU 32BIT 128KB FLASH 56WLCSP	ATSAMC20J17A-ANT Microchip Technology IC MCU 32BIT 128KB FLASH 64TQFP	ATSAMC20J18A-AUT Microchip Technology IC MCU 32BIT 256KB FLASH 64TQFP	ATSAMC20J17A-AN Atmel (Microchip Technology)	ATSAMC20N18A-ANT Microchip Technology IC MCU 32BIT 256KB FLASH 100TQFP
					
ATSAMC20G18A-AUT Microchip Technology IC MCU 32BIT 256KB FLASH 48TQFP	ATSAMC21E15A-AZT Micrel / Microchip Technology	ATSAMC20N17A-ANT Microchip Technology IC MCU 32BIT 128KB FLASH 100TQFP	ATSAMC20J16A-AUT Microchip Technology IC MCU 32BIT 64KB FLASH 64TQFP	ATSAMC20J16A-U Atmel (Microchip Technology)	ATSAMC21E15A-AUT Microchip Technology IC MCU 32BIT 32KB FLASH 32TQFP

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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