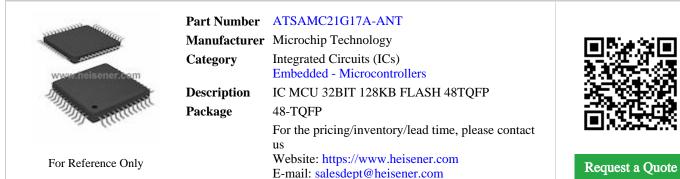


ATSAMC21G17A-ANT

ATSAMC21G17A-ANT Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



ATSAMC21G17A-ANT Specifications

Microchip Technology Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers Package 48-TQFP Series SAM C21 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 48MHz Connectivity CAN, 12C, LIN, SPI, UART/USART Program Memory Size Brown-out Detect/Reset, DMA, POR, WDT Number of I/O 38 Program Memory Size - EEPROM Size - RAM Size IofK x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 14x12b, 2x16b, D/A 1x10b Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 48-TQFP		
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage48-TQFPSeriesSAM C21Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed48MHzConnectivityCAN, 12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Manufacturer Part Number	ATSAMC21G17A-ANT
Embedded - Microcontrollers Package 48-TQFP Series SAM C21 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 48MHz Connectivity CAN, 12C, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, WDT Number of I/O 38 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 14x12b, 2x16b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Package / Case 48-TQFP Supplier Device Package 48-TQFP	Manufacturer	Microchip Technology
Package48-TQFPSeriesSAM C21Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed48MHzConnetivityCAN, 12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOperating Temperature-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Category	Integrated Circuits (ICs)
SeriesSAM C21Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed48MHzConnectivityCAN, 12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M0+Core Size32-BitSpeed48MHzConnectivityCAN, 12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Package	48-TQFP
Core Size32-BitSpeed48MHzConnectivityCAN, I2C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator Type-Pregram Grame40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Series	SAM C21
Speed48MHzConnectivityCAN, 12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Core Processor	ARM? Cortex?-M0+
ConnectivityCAN, 12C, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Core Size	32-Bit
PeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O38Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Speed	48MHz
Number of I/O 38 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 14x12b, 2x16b, D/A 1x10b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Package / Case 48-TQFP (7x7)	Connectivity	CAN, I2C, LIN, SPI, UART/USART
Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFP (7x7)	Peripherals	Brown-out Detect/Reset, DMA, POR, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (Tx7)	Number of I/O	38
EEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Program Memory Size	128KB (128K x 8)
RAM Size16K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	EEPROM Size	-
Data ConvertersA/D 14x12b, 2x16b, D/A 1x10bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	RAM Size	16K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Data Converters	A/D 14x12b, 2x16b, D/A 1x10b
Mounting Type-Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Oscillator Type	Internal
Package / Case48-TQFPSupplier Device Package48-TQFP (7x7)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package48-TQFP (7x7)	Mounting Type	-
	Package / Case	48-TQFP
Report errors?	Supplier Device Package	48-TQFP (7x7)
		Report errors?

ATSAMC21G17A-ANT Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

DISCOVER

ATSAMC21G17A-ANT Payment Methods



ATSAMC21G17A-ANT Shipping Methods



If you have any question about ATSAMC21G17A-ANT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com