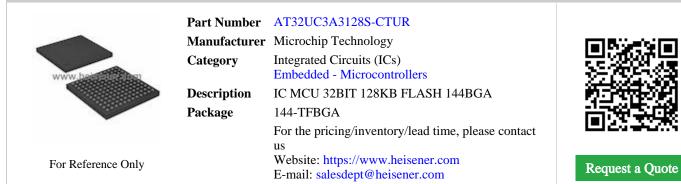


AT32UC3A3128S-CTUR

AT32UC3A3128S-CTUR 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.



AT32UC3A3128S-CTUR Specifications

Manufacturer Part NumberAT32UC3A128S-CTURManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PackageIntegrated Circuits (ICs)Package144-TFBGASeriesAVR 32 UC3 A3Core ProcessorAVRCore Size32-BitSpeed60MHzConnectivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEPROM Size.Voltage - Supply (Vcc/Vdd)1.75 v - 3.6 VOralitor Type.Oralitor Type.Oralitor Type.Oralitor Type.Mounting Type.Auge / Case.Mounting Type.Auge / Case.Mounting Type.HatfFBGA (11st1)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-TFBGASeriesAVR?32 UC3 A3Core ProcessorAVRCore Size32-BitSpeed66MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1,75 V ~ 3.6 VData ConvertersAVD 8x10bOscillator Type-Mounting Type-Package / Case144-TFBGA (11x11)	Manufacturer Part Number	AT32UC3A3128S-CTUR	
IndextedEmbedded - MicrocontrollersPackage144-TFBGASeriesAVR?32 UC3 A3Core ProcessorAVRCore Size32-BitSpeed66MHzConnectivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-FFBGA (11x11)	Manufacturer	Microchip Technology	
Package144-TFBGASeriesAVR?32 UC3 A3Core ProcessorAVRCore Size32-BitSpeed60MHzConnectivityEBI/EMI, 12C, 1rDA, Memory Card, SPI, SSC, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-Nutler of NCCVUdd)1/5 V ~ 3.6 VVoltage - Supply (Vcc/Vdd)1/5 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOverating Temperature-Auonting Type-Package / Case144-FFBGA (11x11)	Category	Integrated Circuits (ICs)	
SeriesAVR?32 UC3 A3Core ProcessorAVRCore Size32-BitSpeed66MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1,75 V ~ 3,6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-FFBGA (11x11)		Embedded - Microcontrollers	
Core ProcessorAVRCore Size32-BitSpeed66MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersAD8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-FFBGA (11x11)	Package	144-TFBGA	
Core Size32-BitSpeed66MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-FFBGA (11x11)	Series	AVR?32 UC3 A3	
Speed66MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGA (11x11)	Core Processor	AVR	
PrintInternational BilleministryConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGA (11x11)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGA (11x11)	Speed	66MHz	
Number of I/O 110 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.75 V ~ 3.6 V Data Converters A/D 8x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 144-FFBGA (11x11)	Connectivity	EBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTG	
Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGA (11x11)	Peripherals	Brown-out Detect/Reset, DMA, POR, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	Number of I/O	110	
Ferry and offer and	Program Memory Size	128KB (128K x 8)	
RAM Size128K x 8Voltage - Supply (Vcc/Vd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	EEPROM Size	-	
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	RAM Size	128K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	Voltage - Supply (Vcc/Vdd)	1.75 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	Data Converters	A/D 8x10b	
Mounting Type-Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	Oscillator Type	Internal	
Package / Case144-TFBGASupplier Device Package144-FFBGA (11x11)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 144-FFBGA (11x11)	Mounting Type	-	
	Package / Case	144-TFBGA	
Report	Supplier Device Package	144-FFBGA (11x11)	
Report	-	Report en	rors?

AT32UC3A3128S-CTUR 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.

AT32UC3A3128S-CTUR Payment Methods





If you have any question about AT32UC3A3128S-CTUR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com