

# AT32UC3A364S-ALUT

#### **AT32UC3A364S-ALUT Information**

www.beisonencom	 AT32UC3A364S-ALUT Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 64KB FLASH 144LQFP 144-LQFP For the pricing/inventory/lead time, please contact us	
For Reference Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

## **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.



### AT32UC3A364S-ALUT Specifications

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesAVR232 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 Size64KB (64K x 8)EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1,75 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFPSupplier Device Package144-LQFP				
CategoryIntegrated Circuits (Cs)Embedded - MicrocontrollersPackage144-LQFPSeriesAVR32 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 Size64KB (64K x 8)Pergoram 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-LQFPSupplier Device Package144-LQFP (20x20)	Manufacturer Part Number	AT32UC3A364S-ALUT		
Embedded - Microcontrollers   Package 144-LQFP   Series AVR?32 UC3 A3   Core Processor AVR   Core Size 32-Bit   Speed 66MHz   Connectivity EBI/EMI, 12C, 1rDA, Memory Card, SPI, SSC, UART/USART, USB OTG   Peripherals Brown-out Detec/Reset, DMA, POR, WDT   Number of I/O 110   Program Memory Size 64KB (64K 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-LQFP   Supplier Device Package 144-LQFP	Manufacturer	Microchip Technology		
Package144-LQFPSeriesAVR?32 UC3 A3Core ProcessorAVRCore Size32-BitSpeed66MHzConceivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size64KB (64K x 8)PerpM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case144-LQFP (20x20)	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 Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltag - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)		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 Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1,75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-Package / Case144-LQFP (20x20)	Package	144-LQFP		
Core Size32-BitSpeed66MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator Type40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	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 Size64KB (64K 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)Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Core Processor	AVR		
ConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size64KB (64K 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-LQFP (20x20)	Core Size	32-Bit		
PeripheralsBrown-out Detect/Reset, DMA, POR, WDTNumber of I/O110Program Memory Size64KB (64K 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-LQFP (20x20)	Speed	66MHz		
Number of I/O110Program Memory Size64KB (64K 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-LQFPSupplier Device Package144-LQFP (20x20)	Connectivity	EBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTG		
Program Memory Size64KB (64K 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-LQFP (20x20)	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-LQFPSupplier Device Package144-LQFP (20x20)	Number of I/O	110		
EEPROM 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-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Size	64KB (64K x 8)		
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-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Type	FLASH		
Notice FunctionInternalVoltage - Supply (Vcc/Vdd)1.75 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	EEPROM Size	-		
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	RAM Size	128K x 8		
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Voltage - Supply (Vcc/Vdd)	1.75 V ~ 3.6 V		
And Constraints-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Data Converters	A/D 8x10b		
Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Oscillator Type	Internal		
Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Operating Temperature	-40°C ~ 85°C (TA)		
Supplier Device Package144-LQFP (20x20)	Mounting Type	-		
	Package / Case	144-LQFP		
Report errors <sup>6</sup>	Supplier Device Package	144-LQFP (20x20)		
			Report errors?	

#### AT32UC3A364S-ALUT 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 BUARANTEE

#### **Service Guarantees**

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

DISCOVER

#### AT32UC3A364S-ALUT Payment Methods



# A1520C5A5045-ALC1 Shipping Methous



If you have any question about AT32UC3A364S-ALUT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com