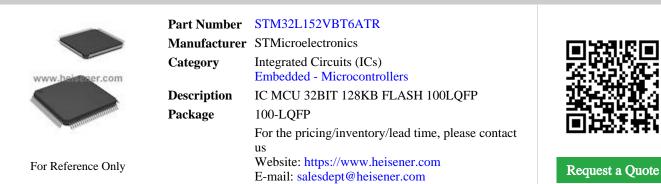


STM32L152VBT6ATR

STM32L152VBT6ATR 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.



STM32L152VBT6ATR Specifications

Anufacturer STMicroelectronics Anufacturer STMicroelectronics Category Integrated Circuits (ICs) Embedded - Microcontrollers 2000-LQFP Package 100-LQFP Stroelectronics 32.11 Core Processor ARM? Cortex?-M3 Core Size 32.Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART, USB Program Memory Size 128KB (128K x 8) Program Memory Size 128KB (128K x 8) Program Memory Type FLASH Stroelectronics 32K x 8 AM Size 32K x 8 Colactoryters A/D 24x12b, D/A 2x12b Data Converters A/D 24x12b, D/A 2x12b Data Converters 40°C ~ 85°C (TA) Depending Temperature -40°C ~ 85°C (TA) Depending Temperature 100-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTVunber of I/O83Program Memory Size128KB (128K x 8)Program Memory TypeFLASHSEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bScillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP	Manufacturer Part Number	STM32L152VBT6ATR	
Embedded - MicrocontrollersPackage100-LQFPSeriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, 12S, LCD, POR, PWM, WDTNumber of I/O83Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size4K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bScillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP	Manufacturer	STMicroelectronics	
Descrive Descrive Speed STM32 L1 Core Processor ARM? Cortex?-M3 Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDT Number of I/O 83 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH StepPOM Size 32K x 8 AM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x12b, D/A 2x12b Descillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 100-LQFP	Category	Integrated Circuits (ICs)	
SeriesSTM32 L1Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O83Program Memory Size128KB (128K x 8)Program Memory TypeFLASHSEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VOscillator TypeInternalOperating Temperature-0°C ~ 85°C (TA)Package / Case100-LQFP		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O83Program Memory SizeI28KB (128K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VDerating Temperature-40°C ~ 85°C (TA)Operating Temperature-Package / Case100-LQFP	Package	100-LQFP	
Core Size32-BitSpeed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O83Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size4K x 8Xoltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VDetata ConvertersA/D 24x12b, D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP	Series	STM32 L1	
Speed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O83Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size4K x 8RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VDetating Temperature-40°C ~ 85°C (TA)Operating Temperature-00°LQFPPackage / Case100-LQFP	Core Processor	ARM? Cortex?-M3	
Connectivity I2C, IrDA, LIN, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDT Number of I/O 83 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size 4K x 8 Converters 32K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Derating Temperature 40°C ~ 85°C (TA) Package / Case 100-LQFP	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDTNumber of I/O83Program Memory Size128KB (128K x 8)Program Memory TypeFLASHBEPROM Size4K x 8AAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bDerating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP	Speed	32MHz	
Number of I/O 83 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH Program Memory Type 4K x 8 BEPROM Size 32K x 8 RAM Size 32K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 24x12b, D/A 2x12b Dscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 100-LQFP	Connectivity	I2C, IrDA, LIN, SPI, UART/USART, USB	
Program Memory Size128KB (128K x 8)Program Memory TypeFLASHPROM Size4K x 8RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Aunting Type-Package / Case100-LQFP	Peripherals	Brown-out Detect/Reset, DMA, I2S, LCD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size4K x 8AAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Number of I/O	83	
BEPROM Size4K x 8RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Program Memory Size	128KB (128K x 8)	
RAM Size32K x 8Voltage - Supply (Vcc/Vd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bDocillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 24x12b, D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	EEPROM Size	4K x 8	
Data ConvertersA/D 24x12b, D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	RAM Size	32K x 8	
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V	
Pperating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP	Data Converters	A/D 24x12b, D/A 2x12b	
Mounting Type - Package / Case 100-LQFP	Oscillator Type	Internal	
Package / Case 100-LQFP	Operating Temperature	-40°C ~ 85°C (TA)	
-	Mounting Type	-	
Supplier Device Package 100-LQFP (14x14)	Package / Case	100-LQFP	
	Supplier Device Package	100-LQFP (14x14)	
Report errors?			Report errors?

STM32L152VBT6ATR 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.

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STM32L152VBT6ATR Shipping Methods



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