

# LM3S1C21-IBZ80-A2T

#### LM3S1C21-IBZ80-A2T Information

	 LM3S1C21-IBZ80-A2T Texas Instruments Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 512KB FLASH 108BGA 108-LFBGA 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**

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# LM3S1C21-IBZ80-A2T Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed80MHzConnectivityEBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPreipheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)EEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1,235 V ~ 1.365 VData ConvertersA/D 8x12bOperating Temperature4.0°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-LFBGASupplier Device Package108-BGA (10x10)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed80MHzConnectivityEBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTProgram Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOperating Temperature40°C ~ 85°C (TA)Munning Type-Package / Case108-EFBGASupplier Device Package108-BGA (10x10)	Manufacturer Part Number	LM3S1C21-IBZ80-A2T	
Embedded - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityEBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-BGA (10x10)	Manufacturer	Texas Instruments	
Package108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed80MHzConnectivityEBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature440°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Category	Integrated Circuits (ICs)	
SeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed80MHzConnectivityEBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-BGA (10x10)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityEBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-EFBGASupplier Device Package108-BGA (10x10)	Package	108-LFBGA	
Core Size32-BitSpeed80MHzConnectivityEBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGA	Series	Stellaris? ARM? Cortex?-M3S 1000	
Speed80MHzConnectivityEBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Core Processor	ARM? Cortex?-M3	
ConnectivityEBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Speed	80MHz	
Number of I/O 67   Program Memory Size 512KB (512K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 64K x 8   Voltage - Supply (Vcc/Vdd) 1.235 V ~ 1.365 V   Data Converters A/D 8x12b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 108-LFBGA   Supplier Device Package 108-BGA (10x10)	Connectivity	EBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART	
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bDoscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Number of I/O	67	
EEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Program Memory Size	512KB (512K x 8)	
RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	EEPROM Size	-	
Data ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	RAM Size	64K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Voltage - Supply (Vcc/Vdd)	1.235 V ~ 1.365 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Data Converters	A/D 8x12b	
Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Oscillator Type	Internal	
Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package108-BGA (10x10)	Mounting Type	-	
	Package / Case	108-LFBGA	
Report errors?	Supplier Device Package	108-BGA (10x10)	
			Report errors?

#### LM3S1C21-IBZ80-A2T 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.

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#### Service Guarantees

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### LM3S1C21-IBZ80-A2T Payment Methods



## LM3S1C21-IBZ80-A2T Shipping Methods



If you have any question about LM3S1C21-IBZ80-A2T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com