

LM3S1R21-IBZ80-C3T

LM3S1R21-IBZ80-C3T Information

	 LM3S1R21-IBZ80-C3T Texas Instruments Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 256KB 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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LM3S1R21-IBZ80-C3T Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed80MHzConnectivityEBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPreipheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size256KB (256K x 8)EEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersADD 8x10bOperating Temperature44°C ~ 85°C (TA)Munuting Type50Package / Case108-LFBGA			
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IndextageEmbedded - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core 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 Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-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 Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Category	Integrated Circuits (ICs)	
SeriesStellaris? ARM? Cortex?-M3S 1000Core 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 Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltag - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOperating 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 Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier 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 Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Series	Stellaris? ARM? Cortex?-M3S 1000	
Speed80MHzSpeed80MHzConnectivityEBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-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 Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator 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 Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Speed	80MHz	
Number of I/O67Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Connectivity	EBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART	
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator 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 Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Number of I/O	67	
EEPROM Size-RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Program Memory Size	256KB (256K x 8)	
RAM Size48K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	EEPROM Size	-	
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	RAM Size	48K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Voltage - Supply (Vcc/Vdd)	1.08 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Data Converters	A/D 8x10b	
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?

LM3S1R21-IBZ80-C3T 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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LM3S1R21-IBZ80-C3T Shipping Methods



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