

LM3S1R21-IBZ80-C3

LM3S1R21-IBZ80-C3 Information

Р	art Number	LM3S1R21-IBZ80-C3	
M	Ianufacturer	Texas Instruments	Faillet*-Osi
WORK OF A DESIGN	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	
D	Description	IC MCU 32BIT 256KB FLASH 108BGA	- 2 <u>32</u> 48
10000	ackage	108-LFBGA	- AX
		For the pricing/inventory/lead time, please contact	E1.9666
		us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Qu

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LM3S1R21-IBZ80-C3 Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage108-LFBGAStelaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpedd80MHzConnectivityEBI/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)Mounting Type5.1Package / Case108-LFBGA					
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, 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 8x10bOperating Temperature4.0°C ~ 85°C (TA)Mounting Type-Package / Case108-BGA (10x10)	Manufacturer Part Number	LM3S1R21-IBZ80-C3			
IndextedEmbedded - 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 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)	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 8x10bOscillator Type-Program femeprature-40°C ~ 85°C (TA)Package / Case108-LFBGASupplier Device Package108-BGA (10x10)		Embedded - Microcontrollers			
ARM? 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-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 Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	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 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)Mounting Type08-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-C3 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.

LM3S1R21-IBZ80-C3 Payment Methods





If you have any question about LM3S1R21-IBZ80-C3, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com