

LM3S9B96-IBZ80-C1

LM3S9B96-IBZ80-C1 Information

	 LM3S9B96-IBZ80-C1 Texas Instruments Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 256KB FLASH 108BGA 108-LFBGA For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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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.



LM3S9B96-IBZ80-C1 Specifications

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CategoryIntegrated Circuits (ICS)Embedded-MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitCore Size32-BitSpeed80MHzConnectivityCAN, EBJ/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEJ, SPJ, SJ, UART/USART, USB OTGPripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size56KB (256K x 8)Program Memory TypeFLASHEPROM Size-Voltage - Supply (Vcc/Vd)1.235 V - 1.365 VNationary TypeMichaldOperating Temperature40°C ~ 85°C (TA)Mounting Type-Ackage / Case108-LFBGASupplier Device Package108-LFBGASupplier Device Package108-BGA (1010)	Manufacturer Part Number	LM3S9B96-IBZ80-C1	
Hendedd - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConectivityCAN, EBJ/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vd)1.235 V ~ 1.365 VVoltage - Supply (Vcc/Vd)1.021 V ~ 1.055 VData ConvertersA/D 16x10bOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Manufacturer	Texas Instruments	
Package108-LFBGASerlesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed32-BitSpeedS0MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB 001PripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size565KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vd)1,235 V ~ 1,365 VVoltage - Supply (Vcc/Vd)1,235 V ~ 1,365 VOscillator TypeInternalOperating Themper-Munting Type-Adward Size108-BGA (10410)Supplier Device Package108-BGA (10x10)	Category	Integrated Circuits (ICs)	
AreaStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Valdage - Supply (Vcc/Vd)1.235 V ~ 1.365 VOkilator TypeMicraalOperating Temperature40°C ~ 85°C (TA)Mounting Type1.82-FBGAStelkge / Case108-LFBGASupplier Device Package108-BGA (100.10)		Embedded - Microcontrollers	
Core ProcessorARM? Corex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, EBJ/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SNJ, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Values - Supply (Vcc/Vd)1,235 V - 1,365 VNotale - Supply (Vcc/Vd)1,235 V - 1,365 VOscillator Type-Operating Temperature40°C ~ 85°C (TA)Mouting Type-Package / Case08-LFBGASupplier Device Wate08-BGA (10x10)	Package	108-LFBGA	
Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SPI, SAI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Vallage - Supply (Vcc/Vd)1235 V ~ 1.365 VOrding TypeAirt 100Operating Temperature-Applet Dirug-Munting Type-Portang Temperature-Munting Type-Pickage / Case08-LFBGASupplier Device Package108-BGA (10x10)	Series	Stellaris? ARM? Cortex?-M3S 9000	
Speed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SNJ, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size26KB (256K x 8)Program Memory TypeFLASHRAM Size96K x 8Voltage - Supply (Vcc/Vd)1.235 V ~ 1.365 VPata ConvertersAD 16x10BOperating Temperature4.0°C ~ 85°C (TA)Nouting Type0.4°C ~ 85°C (TA)Package / Case108-BGA (10810)	Core Processor	ARM? Cortex?-M3	
No. No. Connectivity CAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SPI, SAI, UART, USB ATT, SPI, Peripherals Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 65 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH Program Memory Type FLASH StepPo Missie - Voltage - Supply (Vcc/Vd) 1.235 V ~ 1.365 V Oscillator Type Air Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type -0 Package / Case 108-LFBGA Supplier Device Package 108-BGA (10x10)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Speed	80MHz	
Number of I/O65Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB OTG	
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Number of I/O	65	
EEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdu)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Program Memory Size	256KB (256K x 8)	
RAM Size96K x 8Voltage - Supply (Vcc/Vdb)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	Program Memory Type	FLASH	
NoticeVoltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	EEPROM Size	-	
Data ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case108-LFBGASupplier Device Package108-BGA (10x10)	RAM Size	96K 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 16x10b	
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?	

LM3S9B96-IBZ80-C1 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.

LM3S9B96-IBZ80-C1 Payment Methods





If you have any question about LM3S9B96-IBZ80-C1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com