

# LM3S1811-IBZ50-C5T

#### LM3S1811-IBZ50-C5T Information

	 LM3S1811-IBZ50-C5T 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

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## LM3S1811-IBZ50-C5T Specifications

Manufacturer Part NumberLM3S1811-IBZ50-C5TManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed50MHzConnectivityEBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O67Pogram Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size32K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersAD 8x10bOscillator TypeInternalMunufa Type-				
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage108-LFBGASeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed50MHzConnectivityEBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USARTNumber of I/O67Program Memory Size26KB (256K x 8)FOrgam Memory TypeFLASHKAM Size.Voltage - Supply (Vcc/Vdd).08 V ~ 3.6 VData Converters.AD Sa 10bContertiver	Manufacturer Part Number	LM3S1811-IBZ50-C5T		
Indext of the state of the s	Manufacturer	Texas Instruments		
Package I08-LFBGA   Series Stellaris? ARM? Cortex?-M3S 1000   Core Processor ARM? Cortex?-M3S 1000   Core Processor ARM? Cortex?-M3S 1000   Core Size 32-Bit   Speed 50MHz   Sonectivity EBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART   Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT   Number of I/O 67   Program Memory Size 565KB (256K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 108 V ~ 3.6 V   Data Converters A/D 8x10b   Oscillator Type Internal   Operating Temperature 40°C ~ 85°C (TA)	Category	Integrated Circuits (ICs)		
SeriesStellaris? ARM? Cortex?-M3S 1000Core ProcessorARM? Cortex?-M3S 1000Core Size32-BitSpeed50MHzConnectivityEBI/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 Size32K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOperating Temperature40°C ~ 85°C (TA)		Embedded - Microcontrollers		
Core Processor ARM? Cortex?-M3   Core Size 32-Bit   Speed 50MHz   Connectivity EBI/EMI, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART   Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT   Number of I/O 67   Program Memory Size 256KB (256K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.08 V ~ 3.6 V   Data Converters A/D 8x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)	Package	108-LFBGA		
Core Size32-BitSpeed50MHzConnectivityEBI/EMI, 12C, 1rDA, 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 Size32K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeHennalOperating Temperature-40°C ~ 85°C (TA)	Series	Stellaris? ARM? Cortex?-M3S 1000		
Speed50MHzConnectivityEBI/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 Size32K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)	Core Processor	ARM? Cortex?-M3		
Image: Connectivity EBI/EMI, 12C, 1rDA, LIN, Microwire, SPI, SSI, UART/USART   Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT   Number of I/O 67   Program Memory Size 256KB (256K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.08 V ~ 3.6 V   Data Converters A/D 8x10b   Oscillator Type Internal   Qreating Temperature -40°C ~ 85°C (TA)	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 Size32K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalQperating Temperature-40°C ~ 85°C (TA)	Speed	50MHz		
Number of I/O 67   Program Memory Size 256KB (256K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 32K x 8   Voltage - Supply (Vcc/Vdd) 1.08 V ~ 3.6 V   Data Converters A/D 8x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)	Connectivity	EBI/EMI, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART		
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT		
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Voltage - Supply (Vcc/Vdd)1.08 V ~ 3.6 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)	EEPROM Size	-		
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)	RAM Size	32K x 8		
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)	Voltage - Supply (Vcc/Vdd)	1.08 V ~ 3.6 V		
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	Data Converters	A/D 8x10b		
	Oscillator Type	Internal		
Mounting Type -	Operating Temperature	-40°C ~ 85°C (TA)		
	Mounting Type	-		
Package / Case 108-LFBGA	Package / Case	108-LFBGA		
Supplier Device Package108-BGA (10x10)	Supplier Device Package	108-BGA (10x10)		
Report errors?			Report errors?	

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