

## LM3S2B93-IQC80-C3

#### LM3S2B93-IQC80-C3 Information



E-mail: salesdept@heisener.com

#### **Certified Quality**

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.



### LM3S2B93-IQC80-C3 Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3S 2000Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, 12C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTPargram Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDerating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3S 2000Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, 12C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTProgram Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersAD 16x10bDerating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Manufacturer Part Number	LM3S2B93-IQC80-C3	
Fundeddet - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3S 2000Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, 12C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTVumber of I/O67Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDerating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Manufacturer	Texas Instruments	
Package100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3S 2000Core SizeSaPeriSpeed32-BitConcectivitySouthEzConcectivityCAN, EBI/EMI, 12C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTProgram Memory SizeSofek 256K x 8)Program Memory TypeFLASHConverters96K x 8Voltage - Supplity (Vcc/Vdd)1.08 V~1.32 VDetation TypeHernalOperating Temperature-Average Case100-LQFPPackage / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Category	Integrated Circuits (ICs)	
SeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3SCore Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDoerating Temperature40°C ~ 85°C (TA)Program Memory Type-Package / Case100-LQFP (14x14)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, 12C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTPerogram Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 85°C (TA)Program Memory Type-Package / Case100-LQFP (14x14)	Package	100-LQFP	
Core Size     32-Bit       Speed     80MHz       Connectivity     CAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USART       Peripherals     Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT       Peripherals     67       Program Memory Size     256KB (256K x 8)       Perogram Memory Type     FLASH       Perogram Memory Type     FLASH       Staff 2     96K x 8       Voltage - Supply (Vcc/Vdd)     108 V ~ 1.32 V       Data Converters     A/D 16x10b       Doctaff Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     100-LQFP (14x14)	Series	Stellaris? ARM? Cortex?-M3S 2000	
Speed80MHzConnectivityCAN, EBI/EMI, 12C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O67Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 85°C (TA)Operating Temperature-0Package / Case100-LQFP (14x14)	Core Processor	ARM? Cortex?-M3	
Connectivity     CAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USART       Peripherals     Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT       Number of I/O     67       Program Memory Size     256KB (256K x 8)       Program Memory Type     FLASH       EEPROM Size     -       RAM Size     96K x 8       Voltage - Supply (Vcc/Vdd)     1.08 V ~ 1.32 V       Data Converters     A/D 16x10b       Discillator Type     Internal       Operating Temperature     -40°C ~ 85°C (TA)       Package / Case     100-LQFP (14x14)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size256KB (256K x 8)Program Memory TypeFLASHPEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDocillator Type-Operating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP (14x14)	Speed	80MHz	
Number of I/O67Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 85°C (TA)Program Supple Case100-LQFP (14x14)	Connectivity	CAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USART	
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDerating Temperature-40°C ~ 85°C (TA)Operating Type-Package / Case100-LQFP (14x14)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDerating Temperature-Operating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP (14x14)	Number of I/O	67	
EEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Program Memory Size	256KB (256K x 8)	
RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 16x10bDescillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	EEPROM Size	-	
Data ConvertersA/D 16x10bDscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	RAM Size	96K x 8	
Dscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Voltage - Supply (Vcc/Vdd)	1.08 V ~ 1.32 V	
Derating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Data Converters	A/D 16x10b	
Mounting Type -   Package / Case 100-LQFP   Supplier Device Package 100-LQFP (14x14)	Oscillator Type	Internal	
Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 100-LQFP (14x14)	Mounting Type	-	
	Package / Case	100-LQFP	
Report errors?	Supplier Device Package	100-LQFP (14x14)	
			Report errors?

#### LM3S2B93-IQC80-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.

#### LM3S2B93-IQC80-C3 Payment Methods





If you have any question about LM3S2B93-IQC80-C3, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com