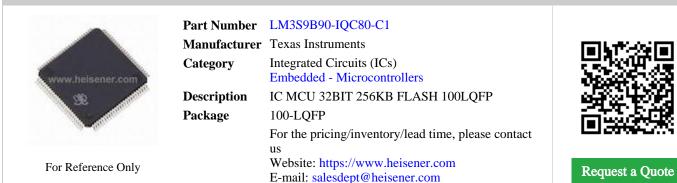


LM3S9B90-IQC80-C1

LM3S9B90-IQC80-C1 Information



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.



LM3S9B90-IQC80-C1 Specifications

AnufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFPSupplier Device Package100-LQFP		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed30/HZConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGProgram Memory Size56KB (256K x 8)Program Memory Size56KB (256K x 8)EEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vd)1.235 V ~ 1.365 VData ConvertersAD1 16x10bOperating Temperature-40°C ~ 85°C (TA)Munning Type-Package / Case100-LQFPSupplier Device Package100-LQFPSupplier Device Package100-LQFP (14x14)	Manufacturer Part Number	LM3S9B90-IQC80-C1
IndextedEmbedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnetivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Manufacturer	Texas Instruments
Package100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed32-BitSpeed80MHzConcetivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB 0TGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-AdM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Category	Integrated Circuits (ICs)
Stellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature-Operating Temperature-Package / Case100-LQFP (14x14)		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Package	100-LQFP
Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Operating Temperature-00-LQFPPackage / Case100-LQFP (14x14)	Series	Stellaris? ARM? Cortex?-M3S 9000
Speed80MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-96K x 896K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Prackage / Case100-LQFP (14x14)	Core Processor	ARM? Cortex?-M3
Connectivity CAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTG Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 60 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 1.235 V ~ 1.365 V Data Converters A/D 16x10b Oscillator 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/O60Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Speed	80MHz
Number of I/O 60 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 96K x 8 Voltage - Supply (Vcc/Vdd) 1.235 V ~ 1.365 V Data Converters A/D 16x10b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 100-LQFP (14x14)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, 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 / Case100-LQFP (14x14)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Number of I/O	60
EEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator 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/Vd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	EEPROM Size	-
Data ConvertersA/D 16x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	RAM Size	96K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Voltage - Supply (Vcc/Vdd)	1.235 V ~ 1.365 V
Operating 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 Package100-LQFP (14x14)	Mounting Type	-
	Package / Case	100-LQFP
Report errors?	Supplier Device Package	100-LQFP (14x14)
1		Report errors?

LM3S9B90-IQC80-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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

LM3S9B90-IQC80-C1 Payment Methods



If you have any question about LM3S9B90-IQC80-C1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com