

LM3S9U81-IQC80-A2T

LM3S9U81-IQC80-A2T 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.



LM3S9U81-IQC80-A2T Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3GCore Size32-BitSpeed80MHzConnectivityCAN, Ethernet, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPreripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size34KB (384K x 8)Program Memory TypeFLASHEEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Manufacturer Part Number	LM3S9U81-IQC80-A2T
Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed80MHzConcectivityCAN, Ethernet, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Manufacturer	Texas Instruments
Package100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed80MHzConcentivityGAN, Ethernet, 12C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bDocalitor TypeInternalOperating Temperature-Apole Caseson-Package / Case00-LQFPSupplier Device Package100-LQFP (14x14)	Category	Integrated Circuits (ICs)
SeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Package / Case100-LQFP (14x14)		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersAD 16x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Package	100-LQFP
Core Size32-BitSpeed80MHzConnectivityCAN, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFP (14x14)	Series	Stellaris? ARM? Cortex?-M3S 9000
Speed80MHzConnectivityCAN, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 85°C (TA)Prackage / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Core Processor	ARM? Cortex?-M3
Connectivity CAN, 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 65 Program Memory Size 384KB (384K 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 16x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 100-LQFP (14x14)	Core Size	32-Bit
PeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Speed	80MHz
Number of I/O 65 Program Memory Size 384KB (384K 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 16x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 100-LQFP (14x14)	Connectivity	CAN, Ethernet, I2C, IrDA, LIN, Microwire, SPI, SSI, UART/USART, USB OTG
Program Memory Size384KB (384K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOscillator 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 16x12bData ConvertersInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFP (14x14)	Number of I/O	65
EEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Program Memory Size	384KB (384K x 8)
RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x12bOscillator 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 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	EEPROM Size	-
Data ConvertersA/D 16x12bOscillator 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 16x12b
Mounting Type-Package / Case100-LQFPSupplier Device Package100-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)
		Report errors?

LM3S9U81-IQC80-A2T 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.

DISCOVER

LM3S9U81-IQC80-A2T Payment Methods



LM3S9U81-IQC80-A2T Shipping Methods



If you have any question about LM3S9U81-IQC80-A2T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com