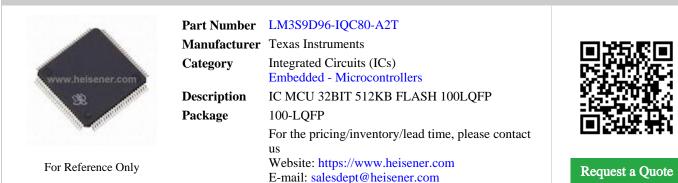


LM3S9D96-IQC80-A2T

LM3S9D96-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.



LM3S9D96-IQC80-A2T Specifications

Manufacturer Part Number I.M3S9D96-QC80-A2T Manufacturer Exas Instruments Category Integrated Circuits (ICS) Embedded - Microcontrollers Embedded - Microcontrollers Package 100-LQFP Series Sellaris? ARM? Cortex?-M3S 9000 Core Sores ARM? Cortex?-M3S 9000 Core Sores ARM? Cortex?-M3S 9000 Core Sores Sellaris? ARM? Cortex?-M3S 9000 Core Sores ARM? Cortex?-M3S 9000 Core Sore Save Cortex?-M3G 900 Speed SMMP Cornectivity GAN, EBJE/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB OTG Number of J/O Souro-out Detect/Reset, DMA, 12S, POR, PWM, WDT Spead Souro-out Detect/Reset, DMA, 12S, POR, PWM, WDT Fuegram Memory Size S12KB (512K x 8) Fuegram Memory Size S12KB (512K x 8) <th></th> <th></th>		
CategoryIntegrated Circuits (ICS)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSped30-HIZSpedSOMHZConnectivityCAN, EBJ/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB OOTPripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O6Program Memory Size512KB (512K x 8)FORGM MEMORYFLASHVoltage - Supply (Vcc/Vd)1.255 V-1.365 VNational ConvertersAD 16x12BOrder SizeAD 16x12BOrder Size4.0° C > S°C (TA)Mutting Type-Ackage / Case10-LQFP (LATL4)Supplier Device Package10-LQFP (LATL4)	Manufacturer Part Number	LM3S9D96-IQC80-A2T
Herbedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed80MHzConcectivityGAN, EBJE/MI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB 0TGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size512KB (512K 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 Themperature40°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-BitSomectivityGAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SAI, JUART/USART, USB 070PripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWH, WDTNumber of I/O6Program Memory Size512KB (512K x 8)Program Memory Size9K3 x 8Program Memory Size-SetAre Size-Valdage - Supply (Vccv)1.235 V - 1.365 VPoratory Size1.235 V - 1.365 VPoratory Size-Ord Size Size Size Size Size Size Size Size	Category	Integrated Circuits (ICs)
SeriesStellaris? ARM? Cortex?-M3S 9000Core ProcessorARM? Cortex?-M3S 9000Core Size32-BitSpeed80MHzConnectivityCAN, EBJ/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-Value - Supply (Vcc/Vd)1.235 V ~ 1.365 VOscillator TypeAD 16x12bOscillator TypeInternalOperating Temperature4.0°C ~ 85°C (TA)Mounting Type00-LQFP (14x14)		Embedded - Microcontrollers
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, EBJ/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SAI, UART/USART, USB OTGPreipheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O5Program Memory Size5/2KB (512K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vd)1.235 V ~ 1.365 VNotale ConvertersAD 16x12bOrerating Type-Orerating Type-Mouting Type-Anocale Converters-Mouting Type-Processor-Sizel Converters-Mouting Type-Mouting Type-Mouting Type-Sizel Converters-Mouting Type-Mouting Type- <trt< td=""><td>Package</td><td>100-LQFP</td></trt<>	Package	100-LQFP
Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SAI, UASAT, USSA OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size12KB (512K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Voc/Vd)1.235 V - 1.365 VNotander TypeMontal SizeOscillator TypeAD 16x12bPoreating Temperature-Aunding Type-Package / Case00-LQFPSupplier Device Package00-LQFP (4x14)	Series	Stellaris? ARM? Cortex?-M3S 9000
Speed80MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SUART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size512KB (512K x 8)Program Memory MyperFLASHFLASH54Start Size-Poltage - Supply (Vcc/Vd)1.235 V - 1.365 VOrding TorperAD1 6x12BOrding TorperA0°C ~ 85°C (TA)Poltage - Case-Poltage - Case00-LQFP (1414)	Core Processor	ARM? Cortex?-M3
ConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O65Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vd)1.235 V ~ 1.365 VData ConvertersAD 16x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type1.03-LQFPAuplier Device Package100-LQFP (14x14)	Core Size	32-Bit
PeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O65Program Memory Size512KB (512K 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)	Speed	80MHz
Number of I/O65Program Memory Size512KB (512K 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)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB OTG
Program Memory Size512KB (512K 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 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case100-LQFPSupplier Device Package100-LQFP (14x14)	Number of I/O	65
EEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vd)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 Size	512KB (512K x 8)
RAM Size96K x 8Voltage - Supply (Vcc/Vd)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 Package 100-LQFP (14x14)	Mounting Type	
	Package / Case	100-LQFP
Report errors?	Supplier Device Package	100-LQFP (14x14)
		Report errors?

LM3S9D96-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

LM3S9D96-IQC80-A2T Payment Methods



LM3S9D96-IQC80-A2T Shipping Methods



If you have any question about LM3S9D96-IQC80-A2T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com