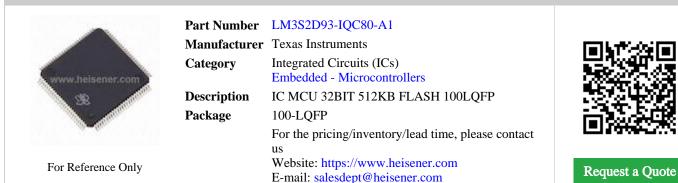


LM3S2D93-IQC80-A1

LM3S2D93-IQC80-A1 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.



LM3S2D93-IQC80-A1 Specifications

Manufacturer Part NumberLM3S2D93-IQC80-A1ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICS)Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3S 2000Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size12KB (512K x 8)FICROM Size96K x 8KAM Size96K x 8Voltage-Supply (Vcc/Vdd)1.235 V~1.365 VDat ConvertersAD 16a(10b			
CategoryIntegrated Circuits (ICs) Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3S 2000Core Size32-BitSpeed30/HzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	Manufacturer Part Number	LM3S2D93-IQC80-A1	
Embedded - MicrocontrollersPackage100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltag - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	Manufacturer	Texas Instruments	
Package100-LQFPSeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3S 2000Core ProcessorSARM? Cortex?-M3S 2000Core Size32-BitSpeed30-HIzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SNI, UART/USARTPreipheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)FPROM Size-EEPROM Size-AM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	Category	Integrated Circuits (ICs)	
SeriesStellaris? ARM? Cortex?-M3S 2000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M3Core Size32-BitSped80MHzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	Package	100-LQFP	
Core Size32-BitSpeed80MHzConnectivityCAN, EBI/EMI, 12C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, 12S, POR, PWM, WDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	Series	Stellaris? ARM? Cortex?-M3S 2000	
Speed80MHzConnectivityCAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, I2S, POR, WDDTNumber of I/O67Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	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 512KB (512K 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	Core Size	32-Bit	
Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 67 Program Memory Size 512KB (512K 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	Speed	80MHz	
Number of I/O 67 Program Memory Size 512KB (512K 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	Connectivity	CAN, EBI/EMI, I2C, IrDA, Microwire, QEI, SPI, SSI, UART/USART	
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 16x10b	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 16x10b	Number of I/O	67	
EEPROM Size-RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	Program Memory Size	512KB (512K x 8)	
RAM Size96K x 8Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.235 V ~ 1.365 VData ConvertersA/D 16x10b	EEPROM Size	-	
Data Converters A/D 16x10b	RAM Size	96K x 8	
	Voltage - Supply (Vcc/Vdd)	1.235 V ~ 1.365 V	
	Data Converters	A/D 16x10b	
Oscillator Type Internal	Oscillator Type	Internal	
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	Operating Temperature	-40°C ~ 85°C (TA)	
Mounting Type -	Mounting Type	-	
Package / Case 100-LQFP	Package / Case	100-LQFP	
Supplier Device Package100-LQFP (14x14)	Supplier Device Package	100-LQFP (14x14)	
Report errors			Report errors?

LM3S2D93-IQC80-A1 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.

LM3S2D93-IQC80-A1 Payment Methods





If you have any question about LM3S2D93-IQC80-A1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com