

## LM3S5K36-IQR80-C0T

### LM3S5K36-IQR80-C0T Information

www.beisener.com	LM3S5K36-IQR80-COT Texas Instruments Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 128KB FLASH 64LQFP 64-LQFP For the pricing/inventory/lead time, please contact us	
For Reference Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

#### **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.



### LM3S5K36-IQR80-C0T Specifications

ManufacturerTexas InstrumentsManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage64-LQFPSeriesStellaris? ARM? Cortex?-M3S 5000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type64-LQFPSupplier Device Package64-LQFP (10x10)				
CategoryIntegrated Circuits (ICs) Embedded - MicrocontrollersPackage64-LQFPSeriesStellaris? ARM? Cortex?-M3S 5000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Pergram Memory TypeFLASHEEPROM Size-AMS Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Manufacturer Part Number	LM3S5K36-IQR80-C0T		
And Bendedd - MicrocontrollersPackage64-LQFPSeriesStellaris? ARM? Cortex?-M3S 5000Core ProcessorARM? Cortex?-M3S 5000Core Size32-BitSpeed80MHzConnectivityCAN, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersAD 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type64-LQFPSupplier Device Package64-LQFP (10x10)	Manufacturer	Texas Instruments		
Package64-LQFPSeriesStellaris? ARM? Cortex?-M3S 5000Core ProcessorARM? Cortex?-M3S 5000Core Size32-BitSpeed30MHzConnectivityCAN, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type64-LQFPPackage / Case64-LQFP (10x10)	Category	Integrated Circuits (ICs)		
SeriesStellaris? ARM? Cortex?-M3S 5000Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type64-LQFPSupplier Device Package64-LQFP (10x10)		Embedded - Microcontrollers		
Core ProcessorARM? Cortex?-M3Core Size32-BitSpeed80MHzConnectivityCAN, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Package	64-LQFP		
Core Size32-BitSpeed80MHzConnectivityCAN, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Series	Stellaris? ARM? Cortex?-M3S 5000		
Speed80MHzConnectivityCAN, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Core Processor	ARM? Cortex?-M3		
Connectivity CAN, 12C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB   Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT   Number of I/O 33   Program Memory Size 128KB (128K x 8)   Program Memory Type FLASH   EEPROM Size -   RAM Size 24K x 8   Voltage - Supply (Vcc/Vdd) 1.08 V ~ 1.32 V   Data Converters A/D 8x10b   Oscillator Type Internal   Operating Temperature -40°C ~ 85°C (TA)   Package / Case 64-LQFP (10x10)	Core Size	32-Bit		
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Speed	80MHz		
Number of I/O33Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Connectivity	CAN, I2C, IrDA, LIN, Microwire, QEI, SPI, SSI, UART/USART, USB		
Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT		
Program Memory TypeFLASHEEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Number of I/O	33		
EEPROM Size-RAM Size24K x 8Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Program Memory Size	128KB (128K x 8)		
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Voltage - Supply (Vcc/Vdd)1.08 V ~ 1.32 VData ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	EEPROM Size	-		
Data ConvertersA/D 8x10bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	RAM Size	24K x 8		
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Voltage - Supply (Vcc/Vdd)	1.08 V ~ 1.32 V		
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Data Converters	A/D 8x10b		
Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Oscillator Type	Internal		
Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} (\text{TA})$		
Supplier Device Package64-LQFP (10x10)	Mounting Type	-		
	Package / Case	64-LQFP		
Report errors?	Supplier Device Package	64-LQFP (10x10)		
			Report errors?	

#### LM3S5K36-IQR80-C0T 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 EUARANTEE

#### Service Guarantees

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

#### LM3S5K36-IQR80-C0T Payment Methods





If you have any question about LM3S5K36-IQR80-C0T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com