

MC9S08PT32VLF

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MC9S08PT32VLF Information

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	Manufacturer	NXP	l 🔲 S
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	122
	Description	IC MCU 8BIT 32KB FLASH 48LQFP	- X8.
	Package	48-LQFP	- i Ank
		For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Reque

Certified Quality

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MC9S08PT32VLF Specifications

ManufacturerNXPCategoryIntegrated Circuits (ICs)PackageEmbedded - MicrocontrollersPackage48-LQFPSeriesS08Core ProcessorS08Core Size8-BitSpeed20MHzConnectivityICC, LIN, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O41Program Memory SizeS26 x 8RAM Size205 x 8Voltage - Supply (Vcc/Vdd)256 x 8Data ConvertersAVD 16x12bOscillator TypeInternalGoreing Temperature-40° c105° CTA)Mounting Type-Package / Case48-LQFPSupple Device Package48-LQFP (Xr)	Manufacturer Part Number	MC9S08PT32VLF
IndextedEmbedded - MicrocontrollersPackage48-LQFPSeriesS08Core ProcessorS08Core Size8-BitSpeed20MHzConnectivityI2C, LIN, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O41Program Memory SizeS2KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8Natize4K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersAD16x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (77)	Manufacturer	NXP
Package48-LQFPSeriesS08Core ProcessorS08Core SizeS-BitSpeed20MHzConectivityI2C, LIN, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O41Program Memory SizeS2KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)J. V ~ 5.5 VData ConvertersAUD (S12b)Operating Type-40°C ~ 105°C (TA)Mounting Type-40°C ~ 105°C (TA)Package / Case84.LQFP (X2F)Supplier Device Package84.LQFP (X2F)	Category	Integrated Circuits (ICs)
SeriesS08Core ProcessorS08Core Size8-BitSpeed20MHzConnectivityIC, LIN, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O41Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-Package / Case8+LQFP (7x7)		Embedded - Microcontrollers
Core ProcessorS08Core Size8-BitSpeed20MHzConnectivityICC, LIN, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O41Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOperating Temperature40°C ~ 105°C (TA)Mounting Type-Package / Case84.LQFP (7x7)	Package	48-LQFP
Core Size8-BitSpeed20MHzConnectivityIC, LIN, SPI, UART/USARTPeripheralsIVD, POR, PWM, WDTNumber of I/O41Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersAD1 6k12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case84. LQFP (7x7)	Series	S08
Speed20MHzConnectivityICC, LIN, SPI, UART/USARTPeripheralsLVD, POR, PWM, WDTNumber of I/O41Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8KAM Size4K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOperating Temperature-40°C ~ 105°C (TA)Mouting Type-Package / Case48-LQFP (Xcr)Supplier Device Package48-LQFP (Xcr)	Core Processor	S08
Connectivity I2C, LIN, SPI, UART/USART Peripherals LVD, POR, PWM, WDT Number of I/O 41 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 16x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Package / Case 48-LQFP (7x7)	Core Size	8-Bit
PeripheralsLVD, POR, PWM, WDTNumber of I/O41Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Speed	20MHz
Number of I/O 41 Program Memory Size 32KB (32K x 8) Program Memory Type FLASH EEPROM Size 256 x 8 RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 16x12b Operating Temperature -40°C ~ 105°C (TA) Package / Case 48-LQFP Supplier Device Package 48-LQFP (7x7)	Connectivity	I2C, LIN, SPI, UART/USART
Program Memory Size32KB (32K x 8)Program Memory TypeFLASHEEPROM Size256 x 8RAM Size4K x 8Voltage - Supply (Vcc/Vd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Peripherals	LVD, POR, PWM, WDT
Program Memory TypeFLASHEEPROM Size256 x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Number of I/O	41
EEPROM Size256 x 8RAM Size4K x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Program Memory Size	32KB (32K x 8)
RAM Size4K x 8Voltage - Supply (Vcc/Vd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (Tx7)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	EEPROM Size	256 x 8
Data ConvertersA/D 16x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	RAM Size	4K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Data Converters	A/D 16x12b
Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Oscillator Type	Internal
Package / Case48-LQFPSupplier Device Package48-LQFP (7x7)	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package48-LQFP (7x7)	Mounting Type	-
	Package / Case	48-LQFP
Report error	Supplier Device Package	48-LQFP (7x7)
		Report errors?

MC9S08PT32VLF 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.

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Service Guarantees

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

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