



MC9S08SE8MRL Information



For Reference Only

Part Number MC9S08SE8MRL

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 8BIT 8KB FLASH 28DIP

Package 28-DIP (0.600", 15.24mm)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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MC9S08SE8MRL Specifications

Manufacturer Part Number MC9S08SE8MRL Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 28-DIP (0.600", 15.24mm) Series S08 Core Processor S08 Core Size 8-Bit Speed 20MHz Connectivity LIN, SCI Peripherals LVD, POR, PWM Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal	ı	
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Series \$08 Core Processor \$08 Core Size \$-Bit Speed 20MHz Connectivity LIN, SCI Peripherals LVD, POR, PWM Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal		Embedded - Microcontrollers
Core ProcessorS08Core Size8-BitSpeed20MHzConnectivityLIN, SCIPeripheralsLVD, POR, PWMNumber of I/O24Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size512 x 8Voltage - Supply (Vcc/Vdd)2.7 V ~ 5.5 VData ConvertersA/D 10x10bOscillator TypeInternal	Package	28-DIP (0.600", 15.24mm)
Core Size 8-Bit Speed 20MHz Connectivity LIN, SCI Peripherals LVD, POR, PWM Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal	Series	S08
Speed 20MHz Connectivity LIN, SCI Peripherals LVD, POR, PWM Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal	Core Processor	S08
Connectivity Peripherals LVD, POR, PWM Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 10x10b Oscillator Type Internal	Core Size	8-Bit
Peripherals LVD, POR, PWM Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal	Speed	20MHz
Number of I/O24Program Memory Size $8KB (8K \times 8)$ Program Memory TypeFLASHEEPROM Size-RAM Size 512×8 Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 10x10b$ Oscillator TypeInternal	Connectivity	LIN, SCI
Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 512 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal	Peripherals	LVD, POR, PWM
Program Memory TypeFLASHEEPROM Size-RAM Size 512×8 Voltage - Supply (Vcc/Vdd) $2.7 \times 5.5 \times 100$ Data ConvertersA/D 10×100 Oscillator TypeInternal	Number of I/O	24
EEPROM Size - S12 x 8 Voltage - Supply (Vcc/Vdd) 2.7 V ~ 5.5 V Data Converters A/D 10x10b Oscillator Type Internal	Program Memory Size	8KB (8K x 8)
RAM Size 512×8 Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data Converters $A/D 10x10b$ Oscillator Type Internal	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $2.7 \text{ V} \sim 5.5 \text{ V}$ Data ConvertersA/D $10x10b$ Oscillator TypeInternal	EEPROM Size	-
Data Converters A/D 10x10b Oscillator Type Internal	RAM Size	512 x 8
Oscillator Type Internal	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
	Data Converters	A/D 10x10b
400G 4050G (TA)	Oscillator Type	Internal
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$	Operating Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$
Mounting Type -	Mounting Type	-
Package / Case 28-DIP (0.600", 15.24mm)	Package / Case	28-DIP (0.600", 15.24mm)
Supplier Device Package 28-PDIP	Supplier Device Package	28-PDIP
Report errors?		Report errors?

MC9S08SE8MRL Guarantees



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MC9S08SE8MRL Shipping Methods













If you have any question about MC9S08SE8MRL, please do not hesitate to contact us!

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