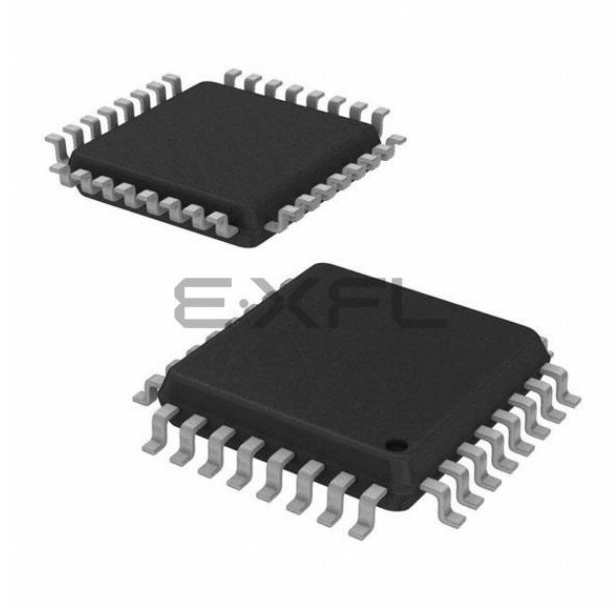

Welcome to E-XFL.COM

What is "Embedded - Microcontrollers"?

"Embedded - Microcontrollers" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

Applications of "Embedded - Microcontrollers"

Details	
Product Status	Obsolete
Core Processor	S08
Core Size	8-Bit
Speed	40MHz
Connectivity	CANbus, I²C, LINbus, SCI, SPI
Peripherals	LVD, POR, PWM, WDT
Number of I/O	25
Program Memory Size	32KB (32K x 8)
Program Memory Type	FLASH
EEPROM Size	1K x 8
RAM Size	2K x 8
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V
Data Converters	A/D 10x12b
Oscillator Type	External
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount
Package / Case	32-LQFP
Supplier Device Package	32-LQFP (7x7)
Purchase URL	https://www.e-xfl.com/product-detail/nxp-semiconductors/mc9s08dz32mlc

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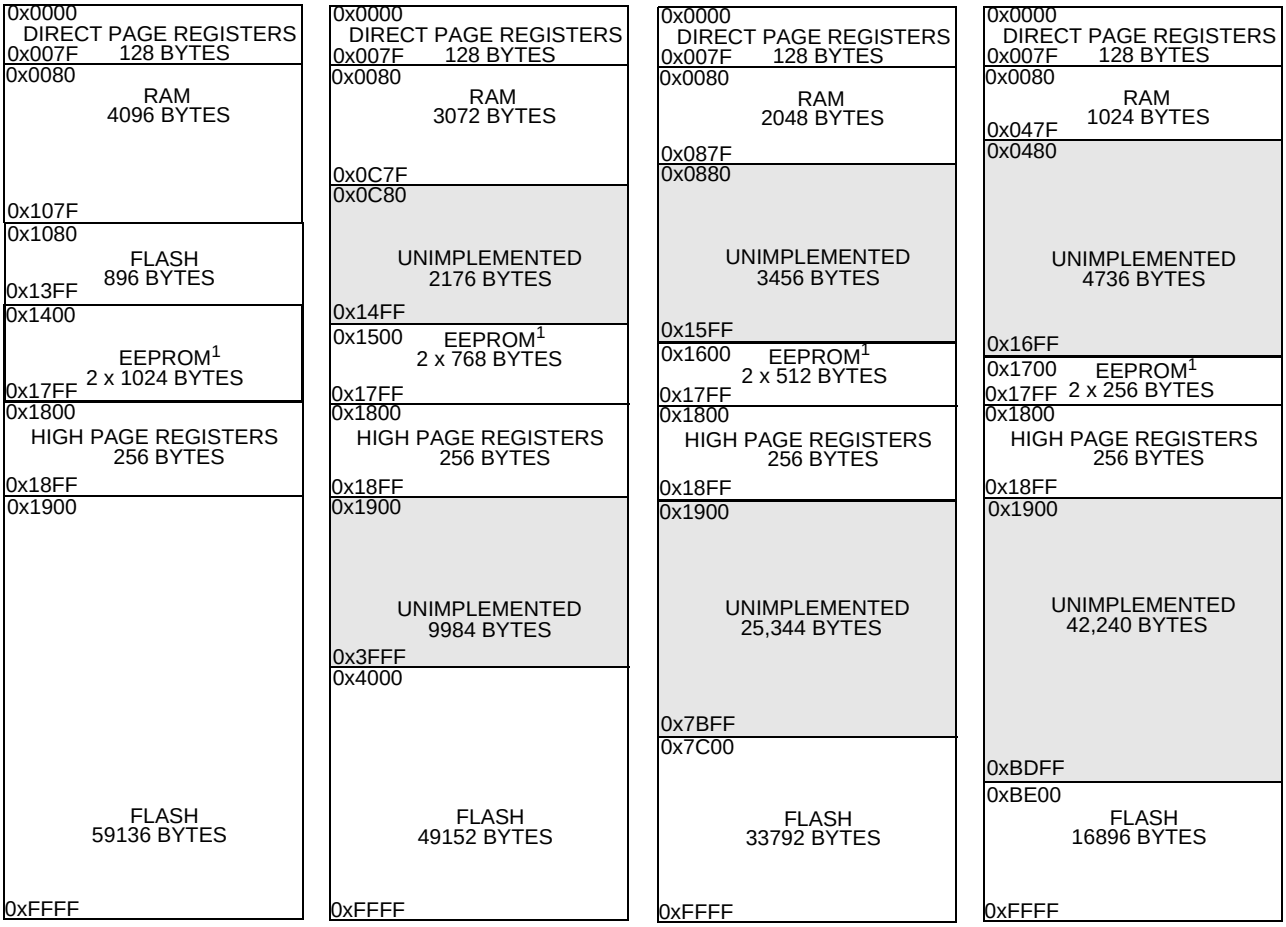
- ,È yNIM6 ˜ , < (0x0000 0x007F)
- P¬0ÃNIM6 Ä High-page Å ˜ , < Ä 0x1800 0x18FF Å
- M2 ç û ˜ , < (0xFFB0 0xFFBF)



[1] EEPROM 8× È / EEPROM ,X Ô Ä Aº µ CAË –?• 4.5.10È EEPROM ô Ø Ä

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0xFFC0:0xFFC1	ACMP2	Vacmp2
0xFFC2:0xFFC3	ACMP1	Vacmp1
0xFFC4:0xFFC5	MSCAN Transmit	Vcantx
0xFFC6:0xFFC7	MSCAN Receive	Vcanrx
0xFFC8:0xFFC9	MSCAN errors	Vcanerr
0xFFCA:0xFFCB	MSCAN wake up	Vcanwu
0xFFCC:0xFFCD	RTC	Vrtc
0xFFCE:0xFFCF	IIC	Viic
0xFFD0:0xFFD1	ADC Conversion	Vadc
0xFFD2:0xFFD3	Port A, Port B, Port D	Vport
0xFFD4:0xFFD5	SCI2 Transmit	Vsci2tx
0xFFD6:0xFFD7	SCI2 Receive	Vsci2rx
0xFFD8:0xFFD9	SCI2 Error	Vsci2err
0xFFDA:0xFFDB	SCI1 Transmit	Vsci1tx
0xFFDC:0xFFDD	SCI1 Receive	Vsci1rx
0xFFDE:0xFFDF	SCI1 Error	Vsci1err
0xFFE0:0xFFE1	SPI	Vspi
0xFFE2:0xFFE3	TPM2 Overflow	Vtpm2ovf
0xFFE4:0xFFE5	TPM2 Channel 1	Vtpm2ch1
0xFFE6:0xFFE7	TPM2 Channel 0	Vtpm2ch0
0xFFE8:0xFFE9	TPM1 Overflow	Vtpm1ovf
0xFFEA:0xFFEB	TPM1 Channel 5	Vtpm1ch5
0xFFEC:0xFFED	TPM1 Channel 4	Vtpm1ch4
0xFFEE:0xFFEF	TPM1 Channel 3	Vtpm1ch3
0xFFF0:0xFFF1	TPM1 Channel 2	Vtpm1ch2
0xFFF2:0xFFF3	TPM1 Channel 1	Vtpm1ch1
0xFFF4:0xFFF5	TPM1 Channel 0	Vtpm1ch0
0xFFF6:0xFFF7	MCG Loss of lock	Vlol
0xFFF8:0xFFF9	Low-Voltage Detect	Vlvd
0xFFFA:0xFFFB	IRQ	Virq
0xFFFC:0xFFFD	SWI	Vswi
0xFFFE:0xFFFF	Reset	Vreset