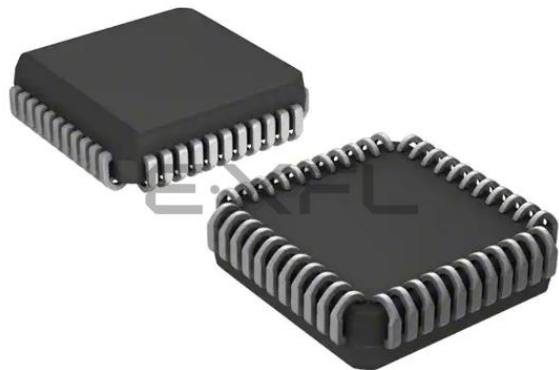




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What is "[Embedded - Microcontrollers](#)"?

"[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	Active
Core Processor	eZ8
Core Size	8-Bit
Speed	20MHz
Connectivity	I ² C, IrDA, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Number of I/O	31
Program Memory Size	24KB (24K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	2K x 8
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V
Data Converters	A/D 8x10b
Oscillator Type	Internal
Operating Temperature	0°C ~ 70°C (TA)
Mounting Type	Surface Mount
Package / Case	44-LCC (J-Lead)
Supplier Device Package	-
Purchase URL	https://www.e-xfl.com/product-detail/zilog/z8f2421vn020sg

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Hex Address: F64

Table 199. SPI Diagnostic State Register (SPIDST)

Bit	7	6	5	4	3	2	1	0
Field	SCKEN	TCKEN	SPISTATE					
RESET	0							
R/W	R							
Address	F64H							

Hex Address: F65

This address is reserved.

Hex Address: F66

Table 200. SPI Baud Rate High Byte Register (SPIBRH)

Bit	7	6	5	4	3	2	1	0
Field	BRH							
RESET	1							
R/W	R/W							
Address	F66H							

Hex Address: F67

Table 201. SPI Baud Rate Low Byte Register (SPIBRL)

Bit	7	6	5	4	3	2	1	0
Field	BRL							
RESET	1							
R/W	R/W							
Address	F67H							

Hex Addresses: F68–F6F

This address range is reserved.

Hex Address: FF2

Table 263. Watchdog Timer Reload High Byte Register (WDTH)

Bit	7	6	5	4	3	2	1	0
Field	WDTH							
RESET	1							
R/W	R/W*							
Address	FF2H							
Note: *R/W = Read returns the current WDT count value; write sets the appropriate reload value.								

Hex Address: FF3

Table 264. Watchdog Timer Reload Low Byte Register (WDTL)

Bit	7	6	5	4	3	2	1	0
Field	WDTL							
RESET	1							
R/W	R/W*							
Address	FF3H							
Note: *R/W = Read returns the current WDT count value; write sets the appropriate reload value.								

Hex Addresses: FF4–FF7

This address range is reserved.

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