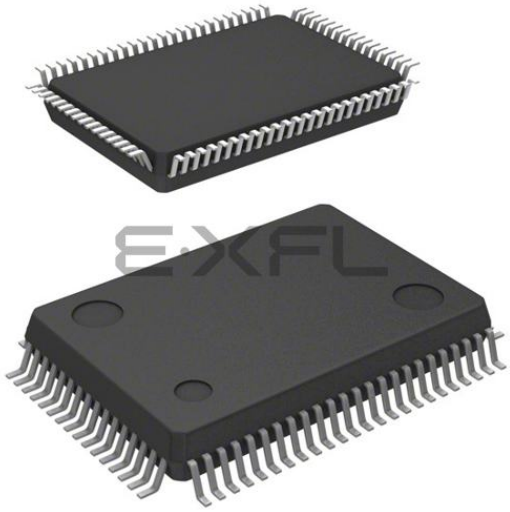

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What is "Embedded - Microcontrollers"?

"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	Obsolete
Core Processor	740
Core Size	8-Bit
Speed	10MHz
Connectivity	SIO, UART/USART
Peripherals	LCD, WDT
Number of I/O	49
Program Memory Size	48KB (48K x 8)
Program Memory Type	QzROM
EEPROM Size	-
RAM Size	2K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V
Data Converters	A/D 8x8b, 8x10b
Oscillator Type	Internal
Operating Temperature	-20°C ~ 85°C (TA)
Mounting Type	Surface Mount
Package / Case	80-BQFP
Supplier Device Package	80-QFP (14x20)
Purchase URL	https://www.e-xfl.com/product-detail/renesas-electronics-america/m38239gcfp-u0

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