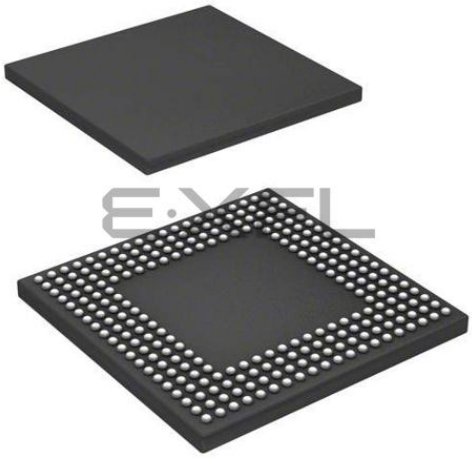

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What is "Embedded - Microcontrollers"?

"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	Last Time Buy
Core Processor	SH-4
Core Size	32-Bit Single-Core
Speed	200MHz
Connectivity	Audio Codec, CANbus, EBI/EMI, FIFO, I²C, MFI, Memory Card, SCI, Serial Sound, SIM, SPI, USB
Peripherals	DMA, LCD, POR, WDT
Number of I/O	69
Program Memory Size	-
Program Memory Type	ROMless
EEPROM Size	-
RAM Size	48K x 8
Voltage - Supply (Vcc/Vdd)	1.4V ~ 1.6V
Data Converters	A/D 4x10b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount
Package / Case	256-LFBGA
Supplier Device Package	256-LFBGA (17x17)
Purchase URL	https://www.e-xfl.com/product-detail/renesas-electronics-america/hd6417760bl200av