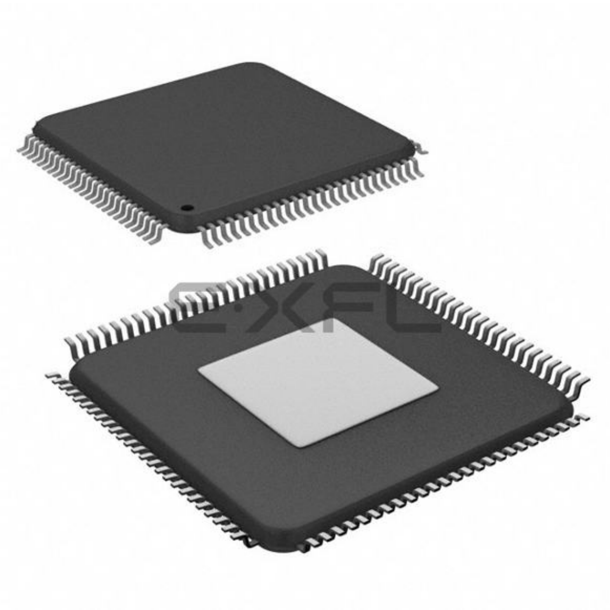

What is "Embedded - Microcontrollers"?

"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	e200z2
Core Size	32-Bit Single-Core
Speed	80MHz
Connectivity	CANbus, Ethernet, LINbus, SPI, UART/USART
Peripherals	DMA, LVD, POR, WDT
Number of I/O	-
Program Memory Size	1.5MB (1.5M x 8)
Program Memory Type	FLASH
EEPROM Size	32K x 8
RAM Size	64K x 8
Voltage - Supply (Vcc/Vdd)	3.3V, 5V
Data Converters	-
Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount
Package / Case	100-TQFP Exposed Pad
Supplier Device Package	100-eTQFP (14x14)
Purchase URL	https://www.e-xfl.com/product-detail/stmicroelectronics/spc572l64e3bc6ar