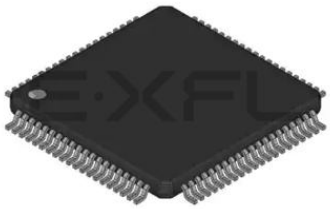
Infineon Technologies - XC2361E72F128LAAHXUMA1 Datasheet



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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	C166SV2
Core Size	16/32-Bit
Speed	128MHz
Connectivity	CANbus, EBI/EMI, I²C, LINbus, SPI, SSC, UART/USART, USI
Peripherals	I²S, POR, PWM, WDT
Number of I/O	75
Program Memory Size	576KB (576K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	98K x 8
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V
Data Converters	A/D 16x12b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount
Package / Case	100-LQFP Exposed Pad
Supplier Device Package	PG-LQFP-100-8
Purchase URL	https://www.e-xfl.com/product-detail/infineon-technologies/xc2361e72f128laahxuma1

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