Infineon Technologies - XMC1100T016X0064AAXUMA1 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	ARM® Cortex®-M0
Core Size	32-Bit Single-Core
Speed	32MHz
Connectivity	I²C, LINbus, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, I²S, POR, PWM, WDT
Number of I/O	11
Program Memory Size	64KB (64K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	16K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 5.5V
Data Converters	A/D 6x12b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount
Package / Case	16-TSSOP (0.173", 4.40mm Width)
Supplier Device Package	PG-TSSOP-16-8
Purchase URL	https://www.e-xfl.com/product-detail/infineon-technologies/xmc1100t016x0064aaxuma1

XMC1100

Microcontroller Series
for Industrial Applications

XMC1000 Family

ARM® Cortex™-M0
32-bit processor core

Data Sheet

V1.4 2014-05

Microcontrollers

XMC1100
XMC1000 Family

Summary of Features

XMC1100
XMC1000 Family

Electrical Parameter

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