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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-Bit
Speed	20MHz
Connectivity	SPI, UART/USART
Peripherals	PWM, WDT
Number of I/O	47
Program Memory Size	128KB (128K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	8K x 8
Voltage - Supply (Vcc/Vdd)	2.35V ~ 2.7V
Data Converters	A/D 14x8/10b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount
Package / Case	64-LQFP
Supplier Device Package	PG-LQFP-64-4
Purchase URL	https://www.e-xfl.com/product-detail/infineon-technologies/saf-xc164tm-16f20f-ba

Table of Contents

1 Summary of Features 4

2 General Device Information 7
2.1 Pin Configuration and Definition 8

3 Functional Description 14
3.1 Memory Subsystem and Organization 15
3.2 Central Processing Unit (CPU) 17
3.3 Interrupt System 19
3.4 On-Chip Debug Support (OCDS) 24
3.5 Capture/Compare Unit (CAPCOM2) 25
3.6 General Purpose Timer (GPT12E) Unit 28
3.7 Real Time Clock 32
3.8 A/D Converter 34
3.9 Asynchronous/Synchronous Serial Interfaces (ASC0/ASC1) 35
3.10 High Speed Synchronous Serial Channels (SSC0/SSC1) 36
3.11 Watchdog Timer 37
3.12 Clock Generation 38
3.13 Parallel Ports 39
3.14 Power Management 40
3.15 Instruction Set Summary 41

4 Electrical Parameters 44
4.1 General Parameters 44
4.2 DC Parameters 47
4.3 Analog/Digital Converter Parameters 52
4.4 AC Parameters 55
4.4.1 Definition of Internal Timing 55
4.4.2 On-chip Flash Operation 59
4.4.3 External Clock Drive XTAL1 60

5 Package and Reliability 61
5.1 Packaging 61
5.2 Flash Memory Parameters 63

General Device Information