Infineon Technologies - MB91F585MGPMC-GTE1 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	FR81S
Core Size	32-Bit Single-Core
Speed	128MHz
Connectivity	CANbus, CSIO, I²C, LINbus, SPI, UART/USART
Peripherals	DMA, LVD, POR, PWM, WDT
Number of I/O	-
Program Memory Size	576KB (576K x 8)
Program Memory Type	FLASH
EEPROM Size	64K x 8
RAM Size	56K x 8
Voltage - Supply (Vcc/Vdd)	3.7V ~ 5.5V
Data Converters	A/D 23x12b; D/A 1x10b
Oscillator Type	External
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount
Package / Case	100-LQFP
Supplier Device Package	100-LQFP (14x14)
Purchase URL	https://www.e-xfl.com/product-detail/infineon-technologies/mb91f585mgpmc-gte1

Items	MB91F585LA MB91F586LA MB91F587LA	MB91F585LB MB91F586LB MB91F587LB	MB91F585LC MB91F586LC MB91F587LC	MB91F585LD MB91F586LD MB91F587LD
Low-voltage detection reset (internal low-voltage detection)	Provided			
Low-voltage detection reset (external low-voltage detection)	Provided			
Device package	LQFP-144			
Debug interface	Built-in OCD (On Chip Debug Unit)			

Note: For details on the MB91580L series, see the "MB91580L Series HARDWARE MANUAL".