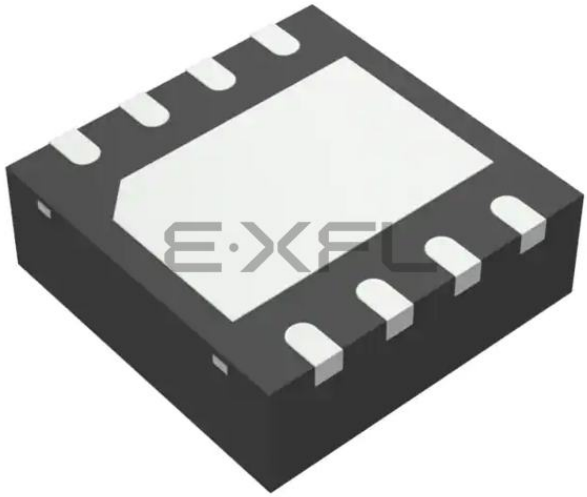

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What is "Embedded - Microcontrollers"?

"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	HC08
Core Size	8-Bit
Speed	8MHz
Connectivity	-
Peripherals	LVD, POR, PWM
Number of I/O	5
Program Memory Size	1.5KB (1.5K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	128 x 8
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V
Data Converters	A/D 6x10b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount
Package / Case	8-VDFN Exposed Pad
Supplier Device Package	8-DFN-EP (4x4)
Purchase URL	https://www.e-xfl.com/product-detail/nxp-semiconductors/mc908qt2amfqe

The following revision history table summarizes changes contained in this document. For your convenience, the page number designators have been linked to the appropriate location.

Revision History

Date	Revision Level	Description	Page Number(s)
December, 2005	N/A	Initial release	N/A
August, 2006	1	Added 1.7 Unused Pin Termination.	20
		Figure 4-1. Auto Wakeup Interrupt Request Generation Logic — Corrected clock source.	51
		4.3 Functional Description — Clarified operation.	52
		4.5.1 Wait Mode — Corrected operation details.	53
		4.6.4 Configuration Register 2 — Corrected clock source.	55
		4.6.5 Configuration Register 1 — Added SSREC bit description.	55
		5.2 Functional Description — Corrected clock source.	58
		12.1 Introduction — Replaced note.	103
		13.7.2 Stop Mode — Corrected clock source.	121
		16.12 Supply Current Characteristics — Updated maximum values for SI_{DD} at both 5 V and 3 V.	165
		A.2.3 Improved Auto Wakeup Module (AWU) — Corrected clock source.	194
April, 2007	2	Chapter 3 Analog-to-Digital Converter (ADC10) Module — Renamed ADCSC register to ADSCR to be consistent with development tools.	37
		Figure 15-18. Monitor Mode Entry Timing — Changed CGMXCLK to BUSCLKX4	154
		16.12 Supply Current Characteristics — Added note 6 below table	165
		Chapter 17 Ordering Information and Mechanical Specifications — Updated chapter to include: Table 17-1. Consumer and Industrial Device Numbering System Table 17-2. Automotive Device Numbering System 17.3 Orderable Part Numbering System 17.3.1 Consumer and Industrial Orderable Part Numbering System 17.3.2 Automotive Orderable Part Number System	 171 171 172 172 172
March, 2010	3	Clarify internal oscillator trim register information.	27, 30, 31, 34, 95, 101