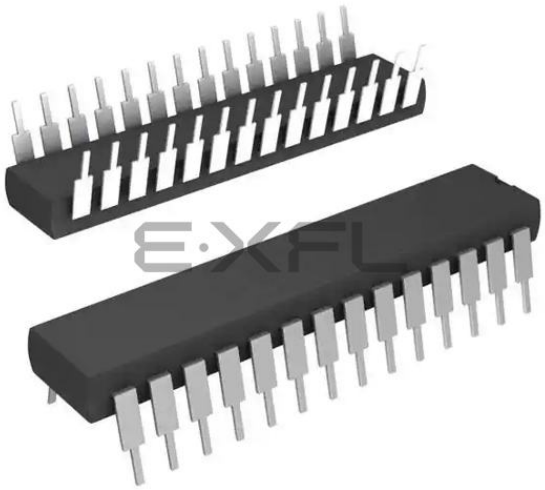

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What is "Embedded - Microcontrollers"?

"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	Z8
Core Size	8-Bit
Speed	8MHz
Connectivity	-
Peripherals	LVD, POR, WDT
Number of I/O	23
Program Memory Size	32KB (32K x 8)
Program Memory Type	OTP
EEPROM Size	-
RAM Size	237 x 8
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V
Data Converters	-
Oscillator Type	Internal
Operating Temperature	0°C ~ 70°C (TA)
Mounting Type	Through Hole
Package / Case	28-DIP (0.600", 15.24mm)
Supplier Device Package	-
Purchase URL	https://www.e-xfl.com/product-detail/zilog/z86d8608psc

Table of Contents

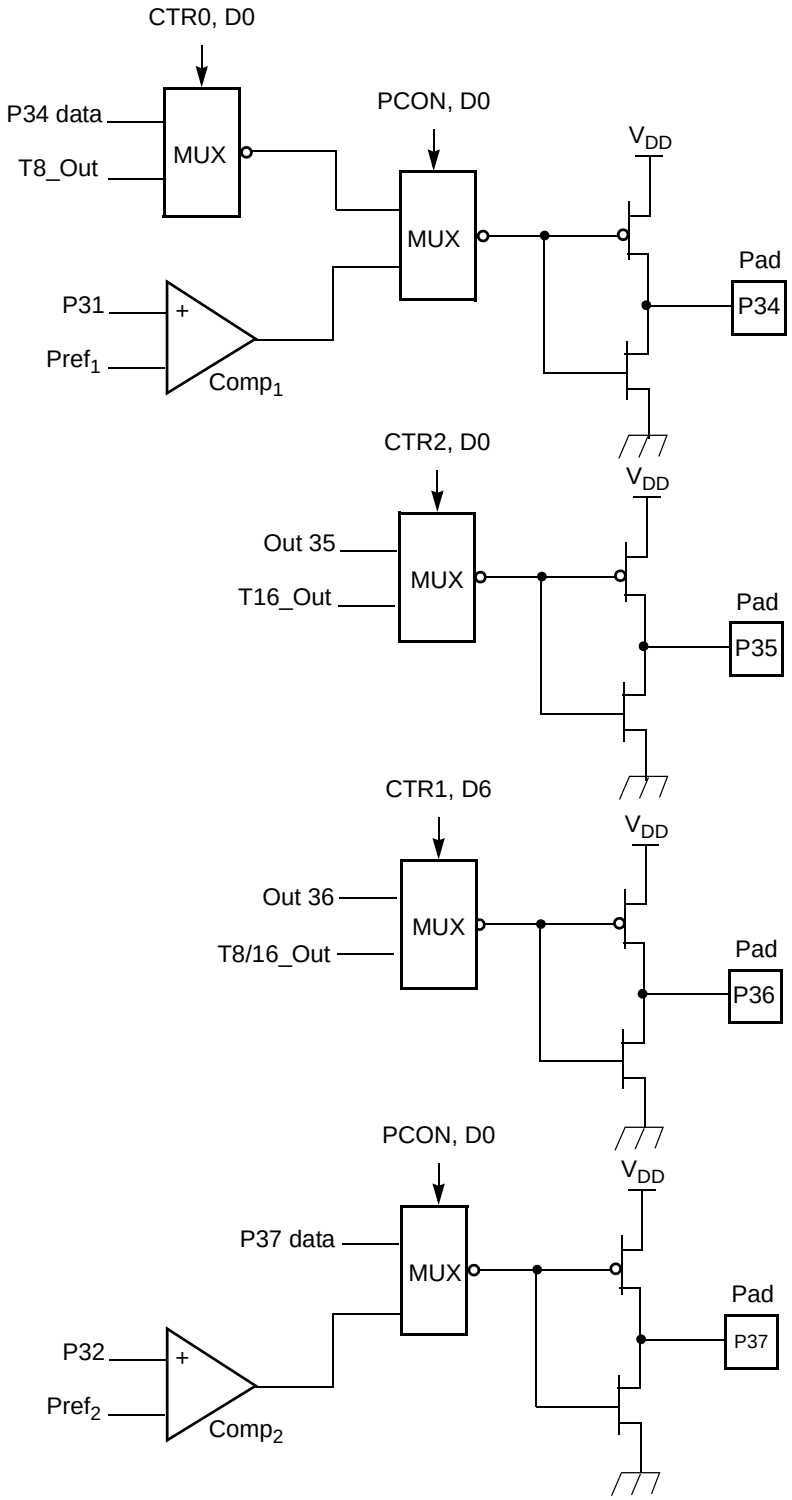

Figure 9. Port 3 Counter/Timer Output Configuration

Table 9. LBD(D)0C Low Battery Detection Register

Field	Bit Position			Description
LBD	765432--			Reserved No effect
	------1-	R	1 0*	LB flag set LB flag reset
	-------0	R/W	1 0*	Enable LBD Disable LBD

Note:
*Default after POR

HI8(D)0Bh

This register (Table 10) holds the captured data from the output of the 8-bit Counter/Timer0. This register is typically used to hold the number of counts when the input signal is 1.

Table 10. HI8(D)0Bh

Field	Bit Position		Description
T8_Capture_HI	76543210	R W	Captured Data No Effect

L08(D)0Ah

This register (Table 11) holds the captured data from the output of the 8-bit Counter/Timer0. This register is typically used to hold the number of counts when the input signal is 0.

Table 11. L08(D)0Ah

Field	Bit Position		Description
T8_Capture_L0	76543210	R W	Captured Data No Effect

HI16(D)09h

This register (Table 12) holds the captured data from the output of the 16-bit Counter/Timer16. This register holds the MS-Byte of the data.