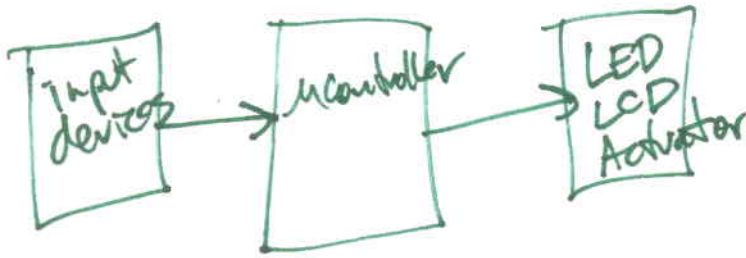


Embedded Systems

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(1)

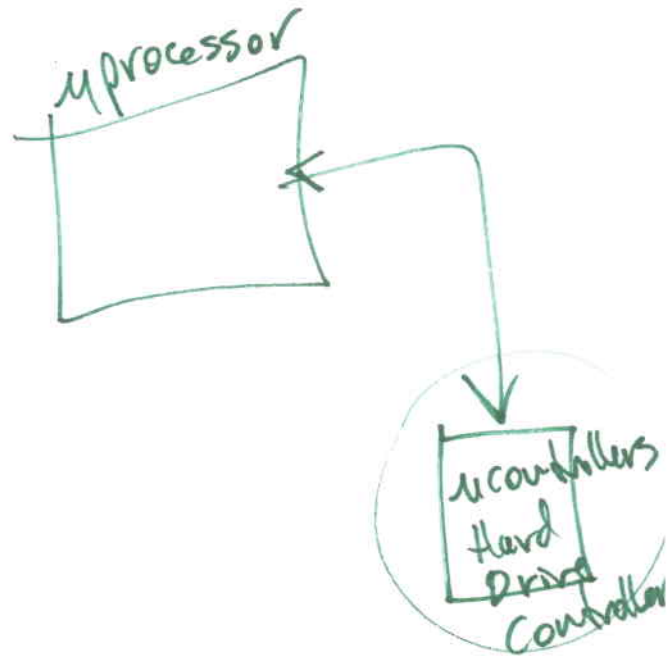


Difference

Microcontroller
on chip memory
FLASH (i.e. non
volatile)
I/O peripherals
A/D input ports
ADC

Microprocessor

Usually external
(cache L1, L2)
MOST memory external



Embedded Systems

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②

```
PORT1.PDR.BIT.B0 = 1;  
PORT1.PODR.BIT.B0 = 0;  
PORT1.PDR.BIT.B1 = 0;  
while(1) {  
    if (PORT1.PIDR.BIT.B1 == 0)   
        PORT1.PODR.BIT.B0 = 0  
    else  
        PORT1.PODR.BIT.B0 = 1;  
}
```

}

