

Diagram illustrating the connection between the 8086 microprocessor and the 8255 PPI chip:

- 8086 Microprocessor:**
  - Address Bus:  $A_0$  to  $A_{15}$
  - Data Bus:  $D_0$  to  $D_{15}$
  - Control Signals:  $\overline{IOR}$ ,  $\overline{IOW}$
- 8255 PPI Chip:**
  - Address Bus:  $A_0$  to  $A_{15}$
  - Data Bus:  $D_0$  to  $D_{15}$
  - Control Signals:  $\overline{IO/M}$ ,  $\overline{CS}$
  - Output Port:  $PB_0$  to  $PB_{15}$
- Connections:**
  - $A_0$  to  $A_{15}$  of 8086 connected to  $A_0$  to  $A_{15}$  of 8255.
  - $\overline{IOR}$  and  $\overline{IOW}$  of 8086 connected to  $\overline{IO/M}$  of 8255.
  - $\overline{CS}$  of 8255 connected to  $\overline{IOW}$  of 8086.
  - $PB_0$  to  $PB_{15}$  of 8255 connected to  $D_0$  to  $D_{15}$  of 8086.

~~IN AL, 2211.~~

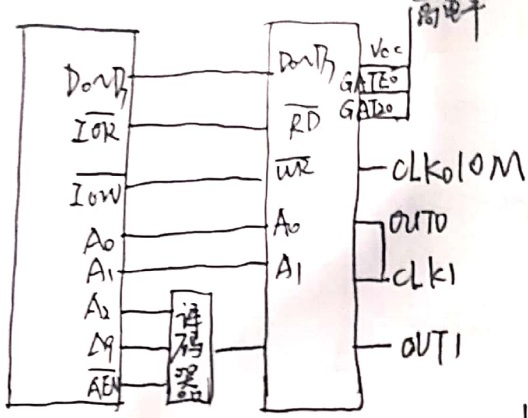
MOV DX, 220H. } 从A4输出.  
OUT DX, AL.

```
MOV AL, 0DH  
OUT DX, AL  
MOV AL, 0FH  
OUT DX, AL
```

对 PC 赋值



2.



$$\frac{1}{T} = f_1 = 1 \quad N = 10^7 = \frac{10^7}{1} \quad \text{初值为 } 1.0 \times 10^7 = 10^4 \times 10^3$$

在计数器 0 为  $10^4$ , 计数器 1 为  $10^3$

控制字 00110111

控制字 01110110

级联

MOV DX, 333H  
MOV AL, 00110111

控制字

OUT DX, AL

MOV AL, 00

MOV DX, 330H

低 8 位

OUT DX, AL

MOV AL, 00

MOV DX, 330H

高 8 位

OUT DX, AL

对计数器的初始化

MOV DX, 333H

MOV AL, 01110110

控制字

OUT DX, AL

对计数器 1 的初始化

MOV AL, 0E8H

MOV DX, 331H

低 8 位

OUT DX, AL

MOV AL, 03H

MOV DX, 331H

高 8 位

OUT DX, AL



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