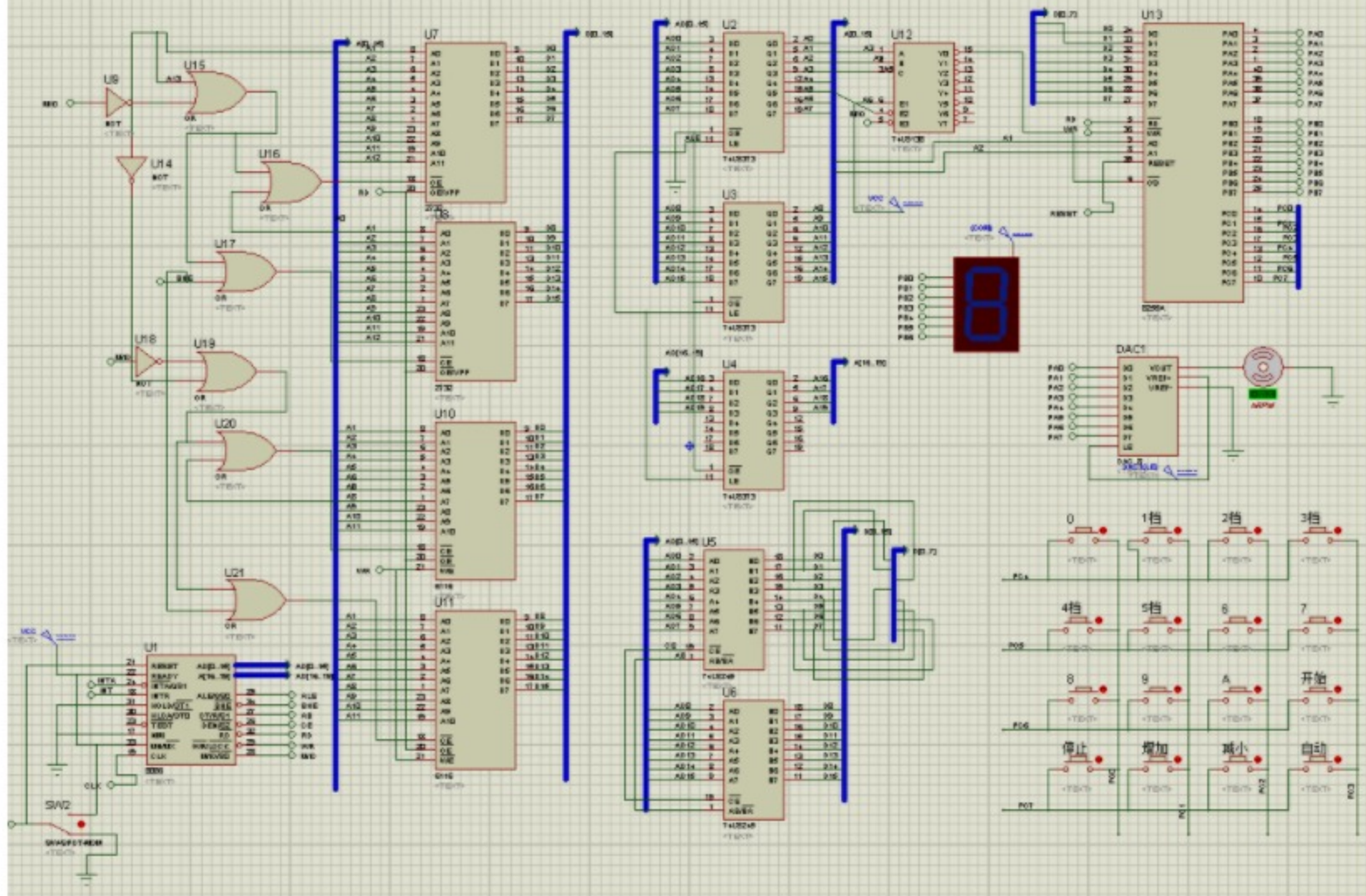




```

1  t_kbrd      dw 0eeh, 0edh, 0ebh, 0e7h, 0deh, 0ddh, 0dbh, 0d7h, 0beh, 0bdh, 0bbh, 0b7h, 7eh, 7dh, 7bh, 77h
2  t_display   db 3fh, 06h, 5bh, 4fh, 66h, 6dh
3  speed       dw 00h
4  started     dw 00h
5  auto_s      dw 03h
6  set_time    dw 00h
7  flag_auto   dw 00h
8
9  .code
10 .startup
11     ;setting the 8253a ports
12
13     porta    equ    00h
14     portb    equ    02h
15     portc    equ    04h
16     creg     equ    06h
17
18     ;initializing the ports of 8253a
19     mov     al, 88h
20     out     creg, al
21
22 a0: mov     al, 00h
23     out     portc, al
24
25 a1: in      al, portc
26     and     al, 0f0h
27     cmp     al, 0f0h    ;check for key release
28     jnz     a1
29     call    delay20
30     mov     al, 00h

```