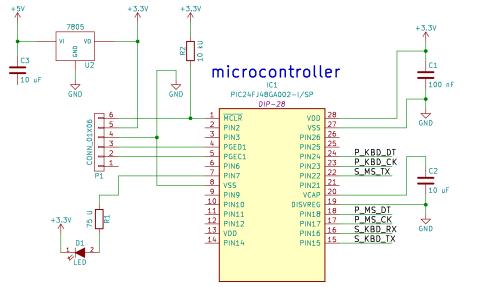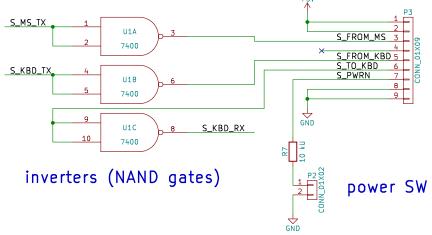connector to Sun computer

+5V

microcontroller
IC1
PIC24FJ48GA002-I/SP
DIP-28

7805
VI VO
GND
U2

+5V   +3.3V   +3.3V   +3.3V

C3
10 uF
GND
GND

R2
10 kU

C1
100 nF
GND

C2
10 uF
GND

Pin	Name		Name	Pin
1	MCLR	VDD	28
2	PIN2	VSS	27
3	PIN3	PIN26	26
4	PGED1	PIN25	25
5	PGEC1	PIN24	24
6	PIN6	PIN23	23
7	PIN7	PIN22	22
8	VSS	PIN21	21
9	PIN9	VCAP	20
10	PIN10	DISVREG	19
11	PIN11	PIN18	18
12	PIN12	PIN17	17
13	VDD	PIN16	16
14	PIN14	PIN15	15

P_KBD_DT
P_KBD_CK
S_MS_TX

P_MS_DT
P_MS_CK
S_KBD_RX
S_KBD_TX

CONN_01X06
P1

+3.3V
R1
75 U
D1
LED

S_MS_TX   1
           2
U1A
7400   3

S_KBD_TX   4
           5
U1B
7400   6

           9
           10
U1C
7400   8   S_KBD_RX

inverters (NAND gates)

+5V
P3
1
2
S_FROM_MS   3
            4
S_FROM_KBD 5
S_TO_KBD   6
S_PWRN   7
            8
            9
CONN_01X09
GND

R7
10 kU

P2
1
2
CONN_01X02
GND

power SW

PS/2 KBD

+5V
P_KBD_DT   R3
           2.7 kU
P_KBD_CK   R4
           2.7 kU

PS/2 MS

+5V
P_MS_DT   R5
           2.7 kU
P_MS_CK   R6
           2.7 kU