+5V
+3.3V
LEDCTRL
Q1
Q_NMOS_GSD
R2
10k
R3
10k

+3.3V
J1
+5V PWR_FLAG
GND
SW17
SW18
SW19
GND
SW20
GND
SW21
SW22
PWR_FLAG
SW13
SW14
GND
SW23
SW24
SW15
SW16
GND
SW5
SW6
SW9
SW10
SW11
SW12
GND GND
SW1
SW7
SW2
SW8
SW3
GND
SW4
Conn_02x20_Odd_Even

SW1   SW1   SW_Push
SW2   SW2   SW_Push
SW3   SW3   SW_Push
SW4   SW4   SW_Push
SW5   SW5   SW_Push
SW6   SW6   SW_Push
SW7   SW7   SW_Push
SW8   SW8   SW_Push
SW9   SW9   SW_Push
SW10   SW10   SW_Push
SW11   SW11   SW_Push
SW12   SW12   SW_Push
GND

SW13   SW13   SW_Push
SW14   SW14   SW_Push
SW15   SW15   SW_Push
SW16   SW16   SW_Push
SW17   SW17   SW_Push
SW18   SW18   SW_Push
SW19   SW19   SW_Push
SW20   SW20   SW_Push
SW21   SW21   SW_Push
SW22   SW22   SW_Push
SW23   SW23   SW_Push
SW24   SW24   SW_Push
GND

Deleted for 12-key type

+5V Deleted for 12-key type
LEDCTRL
33R
R1
TEST_2P
P1

LED1 ... LED12 PL9823 DIN GND VDD DOUT GND
LED13 ... LED24 PL9823 DIN GND VDD DOUT GND
+5V