J3
USB_B_Micro

U1
RP2350_Stamp

Key matrix

Pin	Signal
33	5V IN
34	3.3V OUT
32	VBAT
40	BOOTSEL
39	RESET
35	USB_D−
36	USB_D+
37	SWDIO
38	SWCLK
31	GND

GPIO0 — 1
GPIO1 — 2 — row1
GPIO2 — 3 — row3
GPIO3 — 4 — col9
GPIO4 — 5
GPIO5 — 6 — col10
GPIO6 — 7 — col11
GPIO7 — 8 — col12
GPIO8 — 9 — col13
GPIO9 — 10 — col14
GPIO10 — 11 — col15
GPIO11 — 12 — col16
GPIO12 — 13
GPIO13 — 14
GPIO14 — 15
GPIO15 — 16
GPIO16 — 17
GPIO17 — 18
GPIO18 — 19 — col1
GPIO19 — 20 — col2
GPIO20 — 21 — col3
GPIO21 — 22 — col4
GPIO22 — 23 — col5
GPIO23 — 24 — col6
GPIO24 — 25 — col7
GPIO25 — 26 — col8
GPIO26 — 27 — row6
GPIO27 — 28 — row5
GPIO28 — 29 — row4
GPIO29 — 30 — row2

R1
150

D85
LED

GND

VBUS — 1
D+ — 3
D− — 2
ID — 4
Shield
GND

D+
D−

J1
Shield

J2
De...

SWDIO
SWCLK

GND
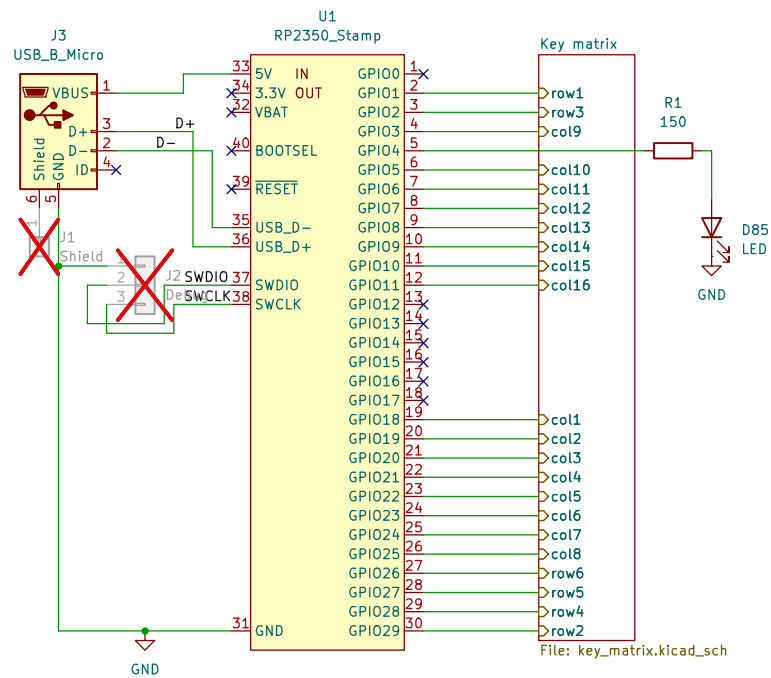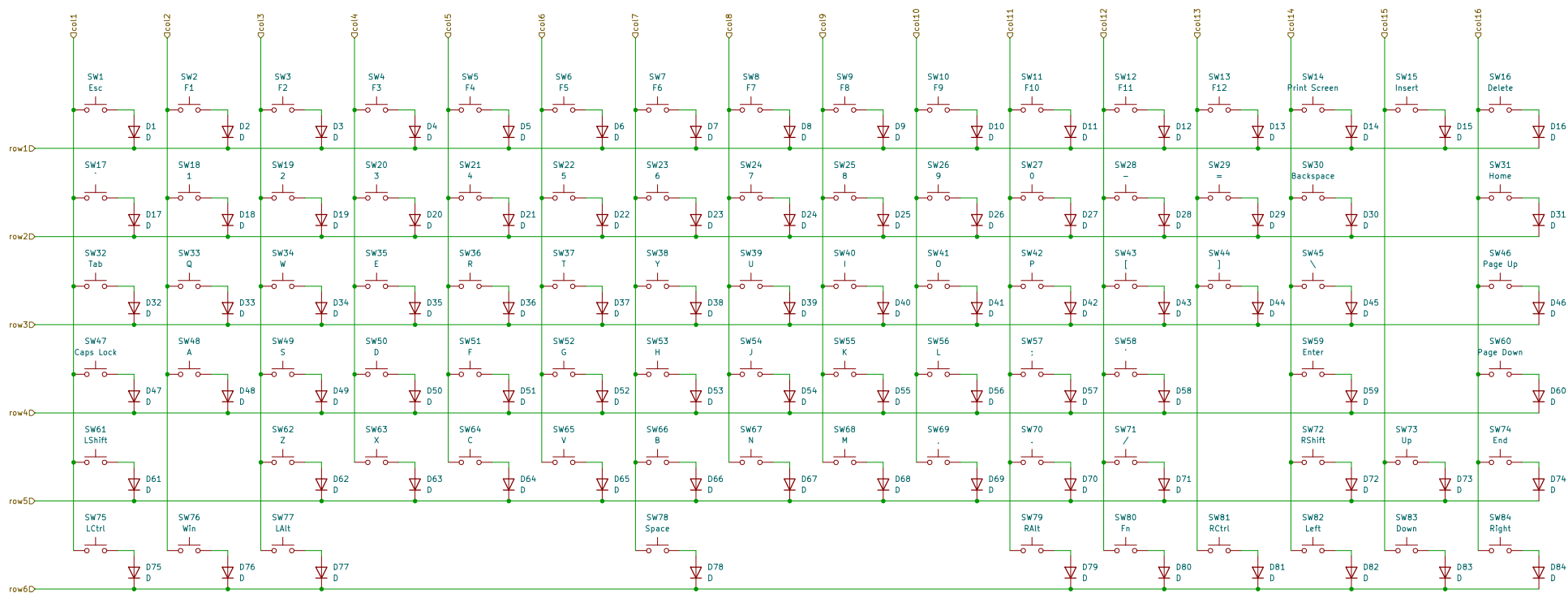
H17
Enter Stab Hole

H15
Backspace Stab Hole

H13
Space Stab Hole

H11
LShift Stab Hole

H1
MountingHole

H2
MountingHole

H3
MountingHole

H4
MountingHole

H5
MountingHole

H6
MountingHole

H7
MountingHole

H8
MountingHole

H9
MountingHole

H10
MountingHole

File: key_matrix.kicad_sch

16 columns + 6 rows = 22 GPIOs