BLING!

LED POWER

LED_PWR (×43 across two rows)

Row A capacitors: CC1 0.1uF, CC3 0.1uF, CC5 0.1uF, CC7 0.1uF, CC9 0.1uF, CC11 0.1uF, CC13 0.1uF, CC15 0.1uF, CC17 0.1uF, CC19 0.1uF, CC21 0.1uF, CC23 0.1uF, CC24 0.1uF, CC25 0.1uF, CC26 0.1uF, CC39 0.1uF, CC40 0.1uF, CC41 0.1uF, CC42 0.1uF, CC43 0.1uF, CC44 0.1uF — GND

Row B capacitors: CC2 0.1uF, CC4 0.1uF, CC6 0.1uF, CC8 0.1uF, CC10 0.1uF, CC12 0.1uF, CC14 0.1uF, CC16 0.1uF, CC18 0.1uF, CC20 0.1uF, CC22 0.1uF, CC28 0.1uF, CC29 0.1uF, CC30 0.1uF, CC31 0.1uF, CC32 0.1uF, CC33 0.1uF, CC34 0.1uF, CC35 0.1uF, CC36 0.1uF, CC37 0.1uF, CC38 0.1uF — GND

C8 2.2uF — LED_PWR — GND
C1 2.2uF — LED_PWR — GND
C2 2.2uF — LED_PWR — GND

BUTTONS

SW3 SW_Push — 3.3V — IO1 — R1 100K — GND
SW4 SW_Push — 3.3V — IO2 — R3 100K — GND
SW5 SW_Push — 3.3V — IO4 — R13 100K — GND
SW6 SW_Push — 3.3V — IO21 — R15 100K — GND

HEADERS

J3 — CONN_11-TS2-THIN
Pin	Signal
11	IO8
10	IO9
9	IO5
8	3.3V
7	RESET
6	GND
5	IO6
4	IO34
3	IO36
2	IO37
1	IO35

J1 — IO — CONN_11-TS2-THIN
Pin	Signal
11	IO0
10	IO21
9	IO5
8	IO4
7	IO3
6	IO2
5	IO1
4	3.3V
3	USB
2	GND
1	VBAT

J2 — CONN_12-THIN
Pin	Signal
12	U0RXD
11	U0TXD
10	GND
9	RESET
6	IO6
7	IO7
6	IO8
5	IO9
4	IO34
3	IO36
2	IO37
1	IO35

LEDs
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LED PWR SWITCH

VBAT — T1 — 100K R2 — GND
D1 USB — VBUS

U3 NCP167BMX330TBG
VBUS — 4 IN — OUT 1 — LED_PWR
C11 1uF — GND
IO3 — 3 EN
R29 100K — GND
EXP 5
GND 2
C20 1uF — GND

STEMMA1
Pin	Signal	Net
SCL	1	IO9
SDA	2	IO8
VCC	3	3.3V
GND	4	GND

CC27 0.1uF — GND

BLING!