USB-SW-A - Assembly View from Top side (Scale 4.5:1)
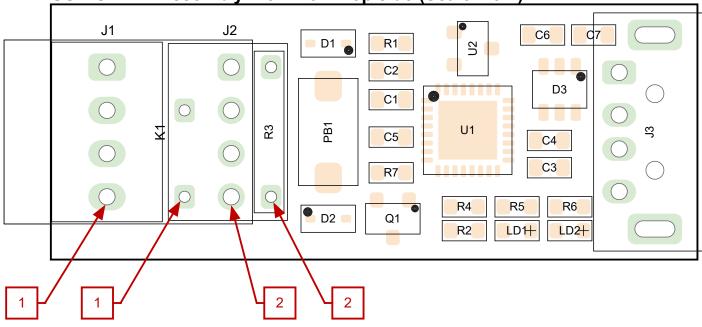

Bill Of Materials

Line #	Designator	Quantity	Manufacturer Part Number
1	C1, C3, C5	3	CGA3E2X7R1H104K080AA
2	C2, C4, C6, C7	4	GRM188Z71C475KE21D
3	D1, D2	2	BAT54WS-7-F
4	D3	1	USBLC6-4SC6
5	J1	1	691210910004
6	J2	1	CO975
7	J3	1	USB-AP-S-RA
8	K1	1	G6L-1P-DC5
9	LD1	1	LTST-C191KRKT
10	LD2	1	LTST-C191KGKT
11	PB1	1	SKQMAQE010
12	Q1	1	BSS138-7-F
13	R1, R4, R7	3	RC0603FR-0710KL
14	R2, R5, R6	3	RC0603FR-07470RL
15	R3	1	RNF18FTD10K0
16	U1	1	STM32F042K6U6TR
17	U2	1	AP7313-33SRG-7

Assembly Notes

1 Install K1 and J1 if you want to use the relay ON-Off feature. Do NOT install J2 and R3

2 Install J2 if you want to use the fan control or servo feautre. Follow the instructions on the back if you have a regular or a PWM fan. Install R3 if you have PWM FAN. Do NOT install K1 and J1

Project: *USB Controlled Relay* Revision: *A*

Title: **Board Assembly**

Sheet 1 of 1   Date: Mar-01-2025   Author: Alfredo Cortellini