

Figure 2. Schematic page 1 of 2

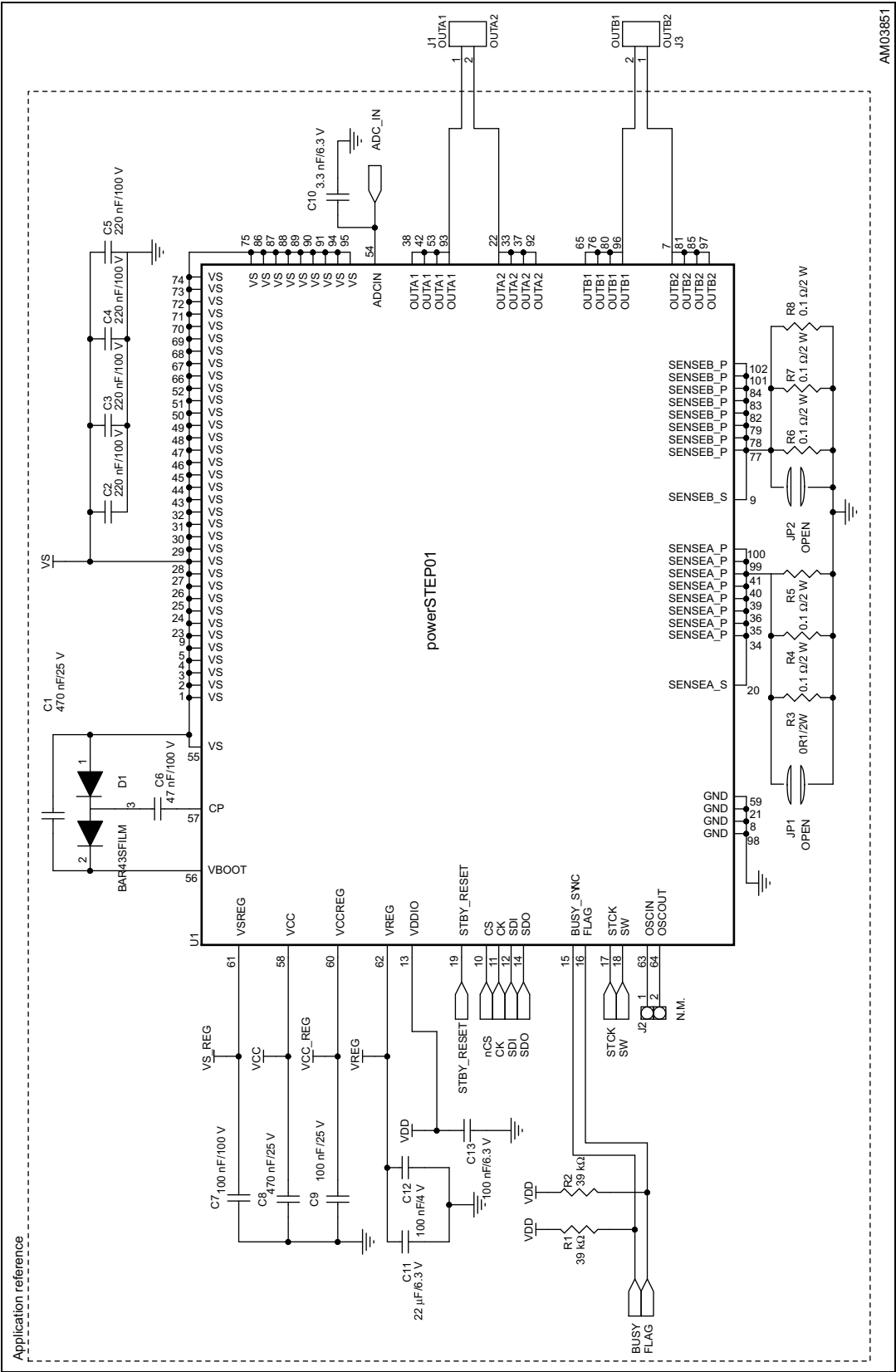
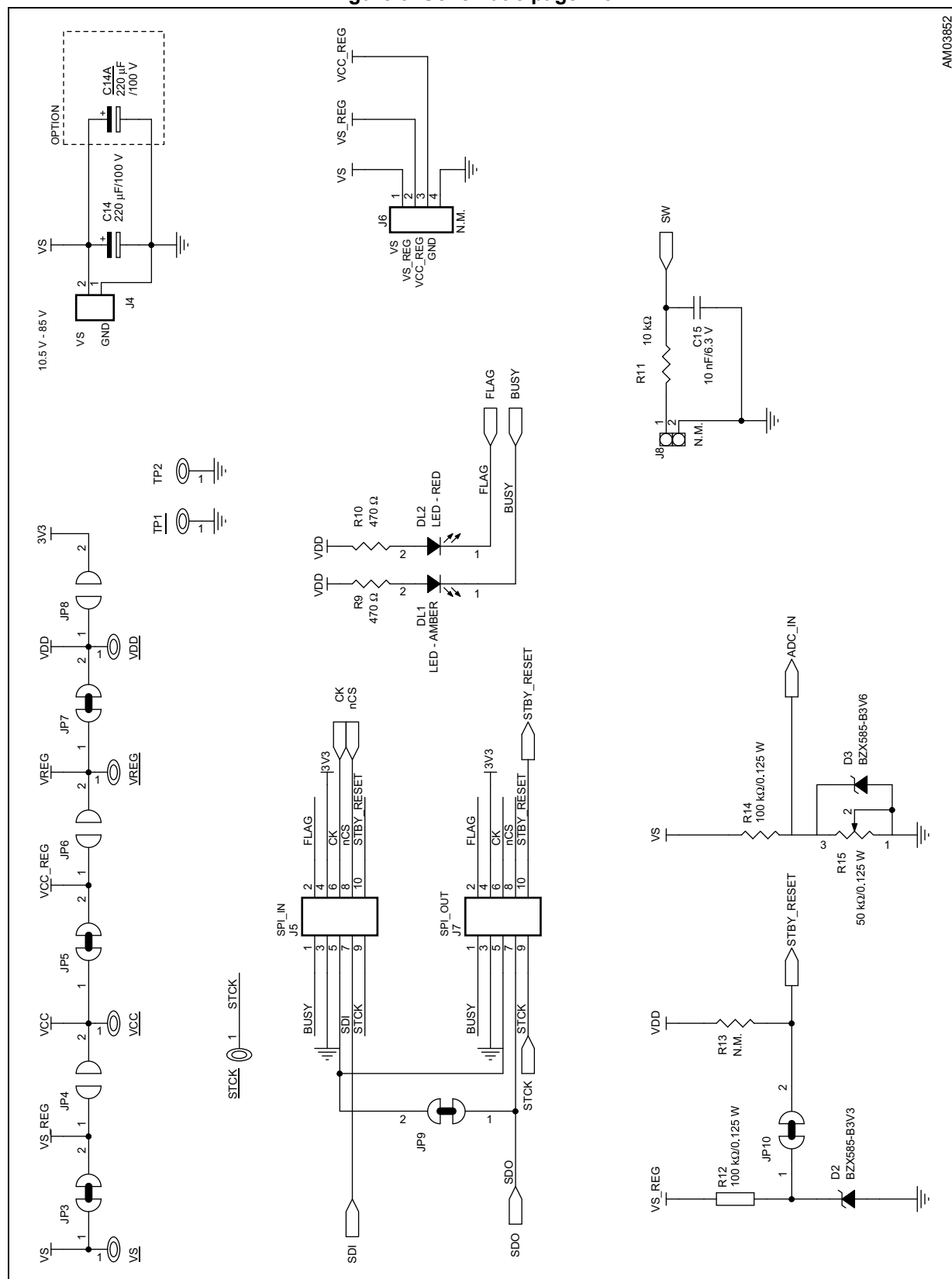


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Table 5. Bill of material

Index	Qty.	Reference	Value / generic part number	Package	Manufacturer	Manufacturer's ordering code / orderable part number
1	2	C1, C8	470 nF/25 V	CAPC-0603		
2	4	C2, C3, C4, C5	220 nF/100 V	CAPC-0805		
3	1	C6	47 nF/100 V	CAPC-0805		
4	1	C7	100 nF/100 V	CAPC-0603		
5	1	C9	100 nF/25 V	CAPC-0603		
6	1	C10	3.3 nF/6.3 V	CAPC-0805		
7	1	C11	22 μ F/6.3 V	CAPC-1206		
8	1	C12	100 nF/4 V	CAPC-0603		
9	1	C13	100 nF/6.3 V	CAPC-0603		
10	1	C14A	220 μ F/100 V	CAPE-R16H21- P75		
11	1	C14	220 μ F/100 V	CAPE-R18H17		
12	1	C15	10 nF/6.3 V	CAPC-0603		
13	1	DL1	LED - amber	LEDC-0805		
14	1	DL2	LED - red	LEDC-0805		
15	1	D1	BAR43S	SOT23	STMicroelectronics	BAR43SFILM
16	1	D2	BZX585-B3V3	SOD523		
17	1	D3	BZX585-B3V6	SOD523		
18	5	JP1, JP2, JP4, JP6, JP8	OPEN	JP2SO		
19	5	JP3, JP5, JP7, JP9, JP10	CLOSED	JP2SO		
20	3	J1, J3, J4	MORSV-508-2P	MORSV-508-2P		
21	2	J2, J8	N. M.	STRIP254P-M-2		
22	1	J5	Pol. IDC male header vertical 10 poles (black)	CON-FLAT - 5 x 2- 180 M		
23	1	J6	N. M.	STRIP254P-M-4		
24	1	J7	Pol. IDC male header vertical 10 poles (gray)	CON-FLAT - 5 x 2- 180 M		
25	2	R1, R2	39 k Ω	RESC-0603		
26	6	R3, R4, R5, R6, R7, R8	0.1 Ω /2 W	RESC-2512		
27	2	R9, R10	470 Ω	RESC-0603		

Table 5. Bill of material (continued)

Index	Qty.	Reference	Value / generic part number	Package	Manufacturer	Manufacturer's ordering code / orderable part number
28	1	R11	10 k Ω	RESC-0603		
29	2	R12, R14	100 k Ω /0.125 W	RESC-0603		
30	1	R13	N. M.	RESC-0603		
31	1	R15	50 k Ω /0.125 W	TRIMM- 100 x 50 x 110 - 64 W		
32	7	TP1, TP2, VS, VREG, VDD, VCC, STCK	TP-RING-RED	TPTH-RING- 1 MM		
33	1	U1	powerSTEP01	MLPQ85L - 140 x 110 x 100 - 89 - ST	STMicroelectronics	POWERSTEP01