

Document reference:STEVAL-IHM008V1	PCB reference:SEMITOP2 Power board
Company:ST	
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Index	Quantity	Reference	Value / Generic Part Number	Package
1	2	BA',BA	2 x2SIP100	Female connector
2	2	BB',BB	2 x3SIP100	Female connector
3	2	BC',BC	2 x2SIP100	Female connector
4	2	BD',BD	2 x4SIP100	Female connector
5	2	BE',BE	2 x2SIP100	Female connector
6	2	BF',BF	2 x13SIP100	Female connector
7	1	CON1	5SIP100	strip line 5pin
8	1	CON2	2SIP100	strip line 2pin
9	1	CON3	2SIP100	strip line 3pin
10	2	C1,C7	470uF/400V	
11	1	C2	2.2uF/50V	Electrolytic
12	1	C3	10uF/35V	Electrolytic
13	1	C4	22nF/50	CK05-CERAMIC
14	1	C5	100uF/25V	Electrolytic
15	1	C6	1uF/50V	CK05-CERAMIC
	1	C9	100NF/50V	CK05-CERAMIC
16	1	C8	100nF/630V	POLYESTER
17	1	C10	0.22uF 275V-X2	POLYESTER
18	2	D1,D8	1N4148	
19	5	D2,D7,D9,D10,D11	STTH108	DO41
20	1	D3	BZX84C15	DO39
21	1	D5	BZX85C5V1	DO39
22	1	D6	BZX85C16	DO39
23	1	FST1	VDC +	PCB Spade terminals
24	1	FST2	VDC -	PCB Spade terminals
25	1	FST3	PHASE	PCB Spade terminals
26	1	FST4	Phase A	PCB Spade terminals
27	1	FST5	NEUTRAL	PCB Spade terminals
28	1	FST6	Phase B	PCB Spade terminals
29	1	FST7	Phase C	PCB Spade terminals

30	1	FST8	TACHO1	PCB Spade terminals
31	1	FST9	TACHO2	PCB Spade terminals
32	1	F1	PCB fuse Holder +Fuse 8A	PCB Fuse holder+ Fuse 8A
33	1	IC1	VIPER12ADIP	
34	1	IC2	L78L05ACZ	
35	1	J8	2SIP100	strip line 2pin
36	1	J14	2SIP100	strip line 2pin
37	1	L1	1mH	
38	1	M2	STG3P2M10N60B	
39	1	Q7	BC337-25	
40	4	R1,R5,R22,R23	100K-1/2W-1%	
41	1	R2	680K-1/4W-1%	
42	1	R3	330K-1/4W-1%	
43	1	R4	12K-1/4W-1%	
44	1	R6	100 5W	Ceramic-vertical
45	1	R9	100-1/4W-1%	
46	1	R10	0.05-5W	low-inductive
47	4	R11,R24,R25,R26	10K	
48	3	R12,R15,R17	56K-1/2W	
49	3	R13,R16,R18	120K-1/2W	
50	1	R14	33K-1/4W-1%	
51	3	R19,R20,R21	4.7K-1/4W-1%	
52	3	R27,R28,R29	1K-1/4W-1%	
55	1	TR1	transil	1.5KE400A
56	1	U2	relay-12A	
	1	SOCKET 8 PIN DIL-X IC1	SOCKET DIL 8 PIN	8DIP300