

Document reference:STEVAL-IHM009V1	PCB reference:SEMITOP3 power board Date: March, 20 2006
Company:ST	
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Index	Quantity	Reference	Value / Generic Part Number	Package
1	2	BA',BA	2x2SIP100	FEMALE
2	2	BB',BB	2x3SIP100	FEMALE
3	2	BC',BC	2x2SIP100	FEMALE
4	2	BD',BD	2x4SIP100	FEMALE
5	2	BE',BE	2x2SIP100	FEMALE
6	2	BF',BF	2x13SIP100	FEMALE
7	1	CON1	CON1	5SIP100-TRH
8	2	CON2,J8	CON2	2SIP100-TRH
9	1	CON4	CON4	4SIP100-TRH
10	4	C1,C7,C10,C11	SEE-MANUAL	electolytic-TRH
11	1	C2	2.2uF/25V	electolytic-TRH
12	1	C3	10uF/35V	electolytic-TRH
13	1	C4	22nF/50V	CK05-Ceramic
14	1	C5	100uF/25V	electolytic
15	1	C6	1uF/50V	CK06-Ceramic
16	1	C8	100nF/400V	Polyester
17	1	C9	100nF/50V	CK05-Ceramic
18	1	D1	1N4148	DO39-TRH
19	5	D2,D7,D18,D19,D20	STTH108	DO41-TRH
20	1	D3	BZX84C15	DO41-TRH
21	1	D5	BZX85C5V1	DO41-TRH
22	1	D6	BZX85C16	DO41-TRH
23	1	D8	STTH3R06	
24	1	FST1	VDC+	Pcb-Spade-Terminals
25	1	FST2	VDC-	Pcb-Spade-Terminals
26	1	FST3	Brake Motor	Pcb-Spade-Terminals
27	1	FST4	Phase A	Pcb-Spade-Terminals
28	1	FST5	Brake Motor	Pcb-Spade-Terminals
29	1	FST6	Phase B	Pcb-Spade-Terminals
30	1	FST7	Phase C	Pcb-Spade-Terminals
31	1	FST8	TACHO1	Pcb-Spade-Terminals

32	1	FST9	TACHO2	Pcb-Spade-Terminals
33	1	F1	16A	6.3X32
34	1	IC1	VIPER12ADIP	
35	1	IC2	L78L05ACZ	
36	1	CON3	CON3	3SIP100
37	1	J14	2SIP100	STRIP-LINE
38	1	L1	1mH/350mA	
39	1	M3	STG3P3M25N60	
40	1	Q7	STGP7NC60HDFP	
41	1	Q8	BC557B	TO92
42	1	Q9	BC547B	TO92
43	1	R2	680K-1/4W-1%	
44	1	R3	330K-1/4W-1%	
45	1	R4	12K-1/4W-1%	
46	1	R10	0.02R-5W	LowInductive
47	1	R11	47k-1/4W-1%	
48	1	R12	56K1/2W	
49	3	R13,R16,R18	120K-1/2W	
50	1	R14	33K-1/4W-1%	
51	2	R15,R17	56K-1/2W	
52	3	R19,R20,R21	4.7K-1/4W-1%	NOT MOUNTED
53	4	R22,R23,R24,R25	100K-1/2W	
54	2	R26,R34	47K-1/4W-1%	
55	5	R27,R28,R29,R33,R35	10K-1/4W-1%	
56	3	R30,R31,R32	1K-1/4W-1%	
57	2	F1-Pcb-Fuse-Holder		
58	1	TR1	TRANSIL	SEE-MANUAL
34A	1	SOCKET DIL 8 x VIPER 12A		