

Document reference:	PCB reference:	Date: 30/ 10/ 06
SMPS 6W		
Company:		
ST Microelectronics		
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Index	Quantity	Reference	Value / Generic Part Number	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code
Revised: Tuesday, June 27, 2006								
1	1	C1	330µF / 25V	D=8mm, L=15mm	Electrolytic capacitor			
2	3	C2,C3,C4	33µF / 450V	D=16mm, L=31.5mm	Electrolytic capacitor			
3	1	C5	.0022µF	9,5mm(distanza pin)	ceramic capacitor ,440Vac, 2KV			
4	2	C6, C7	10nF / 50V	5x5.5x2.5(larg.xaltxprof.)mm	ceramic capacitor, 50V, X7R			
5	1	C8	3.3nF / 50V	5x5.5x2.5(larg.xaltxprof.)mm	ceramic capacitor, 50V, X7R			
6	1	C9	4.7nF / 50V	5x5.5x2.5(larg.xaltxprof.)mm	ceramic capacitor, 50V, X7R			
7	1	C10	47µF / 25V	D=5mm, L=12mm	Electrolytic capacitor			
8	1	C11	22µF / 25V	D=5mm, L=12mm	Electrolytic capacitor			
9	4	D1,D2,D4,D5	STTH112U	SMB	STMicroelectronics, diode rectifier, 1200V, 1A			
10	1	D3	STPS3L60	DO201AD	STMicroelectronics, diode power schottky, 60V, 3A			
11	2	D6,D7	LL4148	SMD 1206	size 1206			
12	1	F1	TR5Fuse	Radial (d=8.5mm)	Serie TR5 250mA/250V			
13	1	ISO1	H11A817	DIP4	Phototransistor Optocouplers			
14	1	J1	Phoenix 3 pin					
15	1	J2	Phoenix 2 pin					
16	1	L1	M600X	Radial	Radiali, 470µH			
17	1	Q1	STC04IE170HP	TO247-4L	STMicroelectronics, Emitter Switched Bipolar Transistor, 4A, 1700V			
18	6	R1,R2,R3,R7,R9,R10	100K	SMD 1206	size 1206			
19	2	R4,R5	1M	SMD 1206	size 1206			
20	1	R6	1	SMD 1206	size 1206			
21	1	R8	47K	SMD 1206	size 1206			
22	1	R11	1.5K	SMD 1206	size 1206			
23	1	R12	10	SMD 1206	size 1206			
24	1	R13	22	SMD 1206	size 1206			
25	1	R14	11K	SMD 1206	size 1206			
26	1	R15	1.2K	SMD 1206	size 1206			
27	1	R17	4.7K	SMD 1206	size 1206			
28	1	R18	22K	SMD 1206	size 1206			
29	1	R21	2.4K	SMD 1206	size 1206			
30	1	R22	330	SMD 1206	size 1206			
31	1	R23	4.7 / 1/2W	AXIAL 1/2W	Resistor, carbon film, 350V, 0.5W, 5%			
32	1	T1	CSM 2010-104	EF20	Transformer			
33	1	U1	L6565	SO8	STMicroelectronics, Q-resonant SMPS controller			
34	1	U2	TL431C	TO92	STMicroelectronics, Shunt Reference, 2,5V, 1 to 100mA			