

Designed by: JTA Design		Ver: 01	Code:	Parts list: Isolation transformer softstart	Original by: JTA 2012-04-21 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	C1	1	YEOY: 330NF250V-MP3	X2 CAPACITOR 330n 20% 250VAC	WIMA: MPX20W3330FJ00
2	C2	1	ELFA: 67-229-53 FARNELL: 1848395	TH EL. CAP 220µ 35V 10X12.5 105C LOW ESR LONG LIFE R5	
3	C3	1	FARNELL: 1327718	CER CAPACITOR 470n 10% 25V X7R 1206	
4	C4	1	ELFA: 67-229-46 FARNELL: 8126585	TH EL. CAP 100µ 35V 8X12 105C LOW ESR LONG LIFE R3.5	
5	K1	1	FARNELL: 1629053	PCB RELAY DPCO 10A 250VAC 12V COIL	TYCO: RT424012
6	R1-5	5		POWER RESISTOR 10R 5% 6W 12.70x4.78	VISHAY: CW-2B-13 10 5%
7	R6 R10	2	ELFA: 60-194-18 FARNELL: 9240926	RESISTOR 470R 1% 100PPM 200V 250mW 1206	
8	R7 R9	2	ELFA: 60-452-64 FARNELL: 9238727	RESISTOR 100k 1% 100PPM 50V 63mW 0603	
9	R8	1	ELFA: 60-445-49 FARNELL: 9238360	RESISTOR 100R 1% 100PPM 50V 63mW 0603	
10	R11	1	FARNELL: 1057202 FARNELL: 1781931	TH VDR 275VAC R7.5 D14	LITTELFUSE: V275LA20AP EPCOS: B72214P2271K101
11	R12-14	3	FARNELL: 9240870	RESISTOR 1M 1% 100PPM 200V 250mW 1206	
12	V1-4	4	FARNELL: 1625198 ELFA: 70-000-52	S1M RECTIFIER DIODE 1A 1000V DO-214AC	
13	V5	1	FARNELL: 9843990	TRANSZORB SMBJ18A 18V 600W DO-214AA	
14	V6	1	FARNELL: 1244538 ELFA: 75-351-85	HCPL-354 AC-INPUT OPTOCOUPLER SMD-4	AVAGO: HCPL-354-000E
15	V7-8	2	ELFA: 71-301-31 FARNELL: 1081232	BC847B NPN 45V 100mA 250mW SOT23	
16	V9	1	ELFA: 70-401-16 FARNELL: 9886230	TRANSZORB SMBJ30A 30V 600W DO-214AA	GI: SMBJ30A SEMTECH: SESMBJ30A
17	X1-2	2		CONNECTOR PHOENIX 2 PIN MKDSN 1,5/2-5,08	PHOENIX: 1729018
18					