

Label	Value	Description	Housing	Part's Factory Code
R1	180kΩ	Metal film resistor	TH	
R2	DNP			
R3	180kΩ	Metal film resistor	TH	
R4	DNP			
R5	10kΩ	Metal film resistor	TH	
R6	10kΩ	Metal film resistor	SMD 0805	
R7	10kΩ	Metal film resistor	SMD 0805	
R8	400kΩ	Metal film resistor	TH	
R9	1Ω	Metal film resistor	SMD1206	
R10	2,2kΩ	Metal film resistor	SMD 0805	
R11	1kΩ	Metal film resistor	TH	
R12	0.2Ω/2W 1%	Metal oxide resistor	TH	
R13	27Ω	Metal film resistor	TH	
R14	10Ω	Metal film resistor	SMD1206	
R15	10Ω	Metal film resistor	SMD1206	
R16	5,6kΩ	Metal film resistor	SMD 0805	
R17	560Ω	Metal film resistor	SMD 0805	
R18	DNP			
R19	1kΩ	Metal film resistor	SMD 0805	
R20	1kΩ	Metal film resistor	TH	
R21	47kΩ	Metal film resistor	SMD 0805	
R22	3,3kΩ	Metal film resistor	TH	
R23	100kΩ	Metal film resistor	TH	
R24	1kΩ	Metal film resistor	SMD 0805	
R25	2,2kΩ	Metal film resistor	SMD 0805	
R26	DNP			
R27	2,2kΩ/2W	Metal oxide resistor	TH	
R28	100Ω/0.5W	Metal film resistor	4 x 400Ω in parallel - SMD 1206	
R29	100Ω/0.5W	Metal film resistor	4 x 400Ω in parallel - SMD 1206	
R30	100Ω/0.5W	Metal film resistor	4 x 400Ω in parallel - SMD 1206	
R31	100Ω/0.5W	Metal film resistor	4 x 400Ω in parallel - SMD 1206	
VAR 1	390V/4500A	Metal Oxide Varistor	TH	JVR14N391K87YAW – MG
NTC	5Ω/4A	NTC Termistor	TH	OTNTC-JNR5R4A – MG
P1	10kΩ	25 turns, horizontal	TH	RKT-3296W-103 – MG
P2	10kΩ	25 turns, horizontal	TH	RKT-3296W-103 – MG
P3	10kΩ	25 turns, horizontal	TH	RKT-3296W-103 – MG
C1	330µF/400V	Aluminium Capacitor	TH	
C2	4,7µF/50V	Ceramic Capacitor	SMD 1206	
C3	4,7µF/50V	Ceramic Capacitor	SMD 1206	
C4	100nF/50V	Ceramic Capacitor	SMD 0805	
C5	4,7µF/50V	Ceramic Capacitor	SMD 1206	
C6	100nF/50V	Ceramic Capacitor	SMD 0805	
C7	1µF/50V	Ceramic Capacitor	SMD 0805	
C8	470nF/400V	Metalized PP Capacitor	TH	ECW-FD2W474P1 – Mouser
C9	10nF/50V	Ceramic Capacitor	SMD 0805	
C10	10uF/50V	Ceramic Capacitor	SMD 0805	
C11	680pF/50V	Ceramic Capacitor C0G or NP0	SMD 0805	MG
C12	100pF/50V	Ceramic Capacitor C0G or NP0	SMD 0805	MG
C13	22nF/1600V	Metalized PP Capacitor FKP1	TH	MG
C14	150nF/100V	Metalized PP Capacitor MKP4	TH	MKS4D031502B00KSSD - MG
C15	180µF/63V	Aluminium Capacitor	TH	UHE1J181MHD6 - Mouser
C16	100nF/50V	Ceramic Capacitor	SMD 0805	
C17	180µF/63V	Aluminium Capacitor	TH	UHE1J181MHD6 - Mouser
C18	100nF/50V	Ceramic Capacitor	SMD 0805	
C19	4,7µF/50V	Ceramic Capacitor	SMD 1206	
C20	100nF/50V	Ceramic Capacitor	SMD 0805	
C21	DNP			
C22	0,1µF/50V	Ceramic Capacitor	SMD 0805	
C23	4,7µF/50V	Ceramic Capacitor	SMD 1206	
C24	DNP			
C25	100nF/50V	Ceramic Capacitor	SMD 0805	
C26	2,2nF/275V	PP Capacitor X2	TH	Mouser
C27	2,2nF/275V	PP Capacitor X2	TH	Mouser
C28	470pF/250V	PP Capacitor Y2 or X1	TH	R413F12200000M – MG
C29	470pF/250V	PP Capacitor Y2 or X1	TH	R413F12200000M – MG
C30	100nF/50V	Ceramic Capacitor	SMD 0805	
C31	470µF/35V	Aluminium Capacitor	TH	UHE1V471MPD - Mouser
C32	100nF/50V	Ceramic Capacitor	SMD 0805	
C33	470µF/35V	Aluminium Capacitor	TH	UHE1V471MPD – Mouser
C34	100nF/50V	Ceramic Capacitor	SMD 0805	

C35	100nF/50V	Ceramic Capacitor	SMD 0805	
C36	100nF/50V	Ceramic Capacitor	SMD 0805	
C37	1µF/50V	Ceramic Capacitor	SMD 0805	
C38	4,7µF/50V	Ceramic Capacitor	SMD 1206	
C39	1500µF/63V	Aluminium Capacitor	TH	UHE1J152MHD – Mouser
C40	100nF/50V	Ceramic Capacitor	SMD 0805	
C41	1µF/50V	Ceramic Capacitor	SMD 0805	
C42	4,7µF/50V	Ceramic Capacitor	SMD 1206	
C43	1500µF/63V	Aluminium Capacitor	TH	UHE1J152MHD – Mouser
C44	100nF/50V	Ceramic Capacitor	SMD 0805	
C45	100nF/50V	Ceramic Capacitor	SMD 0805	
C46	1nF/100V	Ceramic Capacitor	SMD 0805	Comet
C47	1nF/100V	Ceramic Capacitor	SMD 0805	Comet
C48	1nF/100V	Ceramic Capacitor	SMD 0805	Comet
C49	1nF/100V	Ceramic Capacitor	SMD 0805	Comet
C50	2n2/2kV	Ceramic Capacitor Y2	TH	KOKE2.2N2 - MG
C51	DNP			
C52	4,7µF/100V	Ceramic Capacitor	SMD 1206	Mouser
C53	4,7µF/100V	Ceramic Capacitor	SMD 1206	Mouser
D1	SB160	Diode Schottky, 60V, 1A	DO-27A	
D2	UF4007	Diode	DO-41	
D3	UF4007	Diode	DO-41	
D4	SB160	Diode Schottky, 60V, 1A	DO-27A	
D5	SB160	Diode Schottky, 60V, 1A	DO-27A	
D6	SB160	Diode Schottky, 60V, 1A	DO-27A	
D7	SB160	Diode Schottky, 60V, 1A	DO-27A	
D8	SB160	Diode Schottky, 60V, 1A	DO-27A	
D9	SR1680	Diode Schottky, 80V, 16A	TO 220 – AC	Retam
D10	SR1680	Diode Schottky, 80V, 16A	TO 220 – AC	Retam
D11	SR1680	Diode Schottky, 80V, 16A	TO 220 – AC	Retam
D12	SR1680	Diode Schottky, 80V, 16A	TO 220 – AC	Retam
Z1	6V8 1W	Diode Zener	TH	
Z2	12V	Diode Zener	TH	
LED1	LE Diode	Fi 3, Green	TH	
F1	3,5A	Fuse		
B1	B600C1500A	Bridge Rectifier 15A 600V	Inline	
B2	KBU806G	Bridge Rectifier 8.0A 800V	Inline KBU-4	KBU806G – Mouser
Q1	BC556	Transistor PNP	TO-92	
Q2	BC546	Transistor NPN	TO-92	
TR1	2X9AC			MTS1.9-2X9 - MG
L1	2X2mH/2A			
L2	DNP			
IC1	FSFR2100XS	600V Integrated Power Switch	SDIP	Mouser
IC2	FOD2741B	Isolated Error Amplifier	8-PIN DIP	Mouser
IC3	LM317	3-Terminal Adjustable Regulator	TO 220	Mouser
K1	Connector 3P			Retam
K2	Connector 3P			Retam
K3	Connector 3P			Retam
	DILP 8			Retam
	Fuse holder			
	Spacer 15mm	6 pcs		Retam
	Nuts M3 X 20mm	6 pcs		Retam
	Bolt M3	6 pcs		Retam
	ETD39	Transformer core 1 pcs		
	ETD39	Transformer bobine 1 pcs		
	ETD39	Transformer clips 2 pcs		
	Litz wire φ 0.09mm x 30	Aux1 0,3m – 2x2 turns		
	Litz wire φ 0.09mm x 30	Aux2 (ovp) 0,4m – 3 turns		
	Litz wire φ 0.09mm x 100	Primary, 2m – 30 turns		
	Litz wire φ 0.09mm x 150	Secondary, 0.5m – 2x4 turns		
	Heat Sink			
	PCB			