

Id	Designator	Package	Quantity	Designation
70	C13,C16	C Rect L7 W2.5 P5	2	103
42	R35	Resistor Horizontal_RM20mm	1	0.1R-2W
57	R12	Resistor Horizontal_RM15mm	1	0.33R-1W
20	L1	trafo-siemens-RM8-12A	1	1.253 mH
2	C1	RV Disc D12 W4 P7.5	1	100 nF
3	C4,C8,C19	C Rect L7 W2.5 P5	3	100nF-50V
45	R39	R_0805_HandSoldering	1	100R
41	R34	Resistor Horizontal_RM10mm	1	100R-1W
66	C17	C Radial D6.3 L11.2 P2.5	1	100uF35V
6	C10,C11	C Disc D12 P7.75	2	103 2kv
28	R2,R4,R28,R29	R_0805_HandSoldering	4	10k
32	R10,R33	R_0805_HandSoldering	2	10R
49	RV1	RV Disc D12 W3.9 P7.5	1	14D471K
30	R6	Resistor Horizontal_RM15mm	1	150K1W
29	R5	R_0805_HandSoldering	1	15k
48	R43,R38	Resistor Horizontal_RM7mm	2	15k
35	R15	Resistor Horizontal_RM15mm	1	15k-1W
51	T1	inductors-MFE	1	180uH
33	R11,R14	R_0805_HandSoldering	2	1k
34	R13,R30,R31,R32,R26,R7,R25	Resistor Horizontal_RM7mm	7	1k
76	R22	Resistor Horizontal_RM7mm	1	1k-1%
12	D9,D10	Diode DO-41 SOD81 Horizontal_RM10	2	1N4148
75	D18	Diode DO-41 SOD81 Vertical_AnodeUp	1	1N4148
8	D1,D5,D7,D8	Diode DO-201AD_Horizontal_RM15	4	1N5408
10	D3	Diode DO-41 SOD81 Horizontal_RM10	1	1N5819
61	C3	C_0805_HandSoldering	1	1nF
71	C15	C Rect L7 W2.5 P5	1	1nF-50V
43	R36,R41	R_0805_HandSoldering	2	20k
47	R42	Resistor Horizontal_RM7mm	1	20k
25	Q2	TO-220_Neutral123_Verical_LargePads	1	20N60
67	C18	C Radial D6.3 L11.2 P2.5	1	220uF16V
7	C14	C_0805_HandSoldering	1	22pF25V
38	R18,R19	Resistor Horizontal_RM7mm	2	27k
27	Q4	TO-92 Inline Wide	1	2N3906
65	C12	C Radial D10 L21 P5	1	330uF100V
37	R17	R_0805_HandSoldering	1	33k
31	R9	Resistor Horizontal_RM7mm	1	33R2
44	R37	Resistor Horizontal_RM7mm	1	3k
46	R40	R_0805_HandSoldering	1	3k
40	R21	R_0805_HandSoldering	1	3k3
36	R16	R_0805_HandSoldering	1	4.7k-1%
60	C2	C Rect L7 W2.5 P5	1	4.7nF
68	C7	C Rect L7 W2.5 P5	1	470pF50V
64	C6	C Rect L7 W2.5 P5	1	471 2kv
58	R8	Resistor Horizontal_RM15mm	1	47k-2W
5	C9	C Radial D6.3 L11.2 P2.5	1	47uF50V
73	R24	Resistor Horizontal_RM7mm	1	49.9k-1%
72	R23	Resistor Horizontal_RM7mm	1	56k-1%

63	R3	Resistor_Horizontal_RM15mm	1	56R-2W
52	TH1	R3	1	5D-11
53	TH2	R3	1	5D-13
4	C5	C_Radial_D18_L36_P7.5	1	68uF400V
39	R20	R_0805_HandSoldering	1	7.5k
59	R1	R_0805_HandSoldering	1	8.2k
17	D17	Diode_TO-220_Dual_CommonCathode_V	1	BT151
13	D11	LED-5MM	1	charging
15	D14	Diode_DO-35_SOD27_Horizontal_RM10	1	D_Z 12V
16	D16	Diode_DO-35_SOD27_Horizontal_RM10	1	DIAC-DB3
23	P3	Molex_KK-6410-02_02x2.54mm_Straight	1	FAN
9	D2,D13	Diode_DO-41_SOD81_Horizontal_RM10	2	FR207
18	F1	Fuseholder5x20_horiz_open_inline_Type-	1	Fuse-2A
69	F2	Fuseholder5x20_horiz_open_inline_Type-	1	Fuse-5A
19	HS1,HS2	heatsink-D03PA	2	Heatsink
21	P1	MountingHole_2.2mm_M2_DIN965_Pad	1	IN1
22	P2	MountingHole_2.2mm_M2_DIN965_Pad	1	IN2
56	U3	DIP-8_W7.62mm_LongPads	1	LM358
62	D6	Diode_TO-220_Vertical	1	MUR860
1	P4	MountingHole_2.2mm_M2_DIN965_Pad	1	OUT-
24	P5	MountingHole_2.2mm_M2_DIN965_Pad	1	OUT+
55	U2	DIP-4_W7.62mm	1	PC817
14	D12	LED-5MM	1	power
50	RV2	Potentiometer_Bourns_3296W_3-8Zoll_In	1	RV-1k
26	Q3	TO-220_Neutral123_Vertical	1	TIP122
11	D4,D15	TO-92_Inline_Wide	2	TL431LP
74	Q1	SOT-23	1	tran-S8050
54	U1	DIP-8_W7.62mm_LongPads	1	UC3842