

Item	Qty	Ref	Description	Mfg Part Number	Mfg
1	1	C1	2.2 uF, ±20%, 450 V, Al Electrolytic, Gen. Purpose, Can, (8mm x 13mm)	UVK2W2R2MPD	Nichicon
2	1	C2	10 uF, 10 V, Ceramic, X5R, 0603	C1608X5R1A106M	TDK Corp
3	1	C3	1.0 nF, 1 kV, Disc Ceramic	562R10TSD10	Vishay
4	1	C4	47 uF, 35 V, Electrolytic, Gen. Purpose, (5 x 11)	EKMG350ELL470ME11D	Nippon Chemi-Con
5	1	C5	150 uF, 35 V, Electrolytic, Very Low ESR, 72 mOhm, (8 x 11.5)	EKZE350ELL151MHB5D	Nippon Chemi-Con
6	1	C6	220 uF, 10 V, Electrolytic, Very Low ESR, 130 mOhm, (6.3 x 11)	EKZE100ELL221MF11D	Nippon Chemi-Con
7	1	C7	330 uF, 25 V, Electrolytic, Very Low ESR, 56 mOhm, (8 x 15)	EKZE250ELL331MH15D	Nippon Chemi-Con
8	3	C8 C9 C10	150 pF, 200 V, Ceramic, X7R	C315C151K2R5TA	Kemet
9	1	C11	1 nF, 500Vac, Ceramic, Y1	VY1102M35Y5UG63V0	Vishay BC Components
10	1	D1	1000 V, 1 A, Ultrafast Recovery, 75 ns, DO-41	UF4007-E3	Vishay
11	1	D2	200 V, 1 A, Ultrafast Recovery, 50 ns, DO-41	UF4003-E3	Vishay
12	2	D3 D4	DIODE ULTRA FAST, SW, 200V, 1A, SMA	US1D-13-F	Diodes, Inc
13	1	D5	Diode, 150 V, 1A, Surface Mount DO-214AC, SMA	STPS1150A	STMicroelectronics
14	2	Q1 Q2	NPN, Small Signal BJT, 40 V, 0.2 A, SOT-323	MMST3904-7-F	Diodes Inc
15	1	R1	RES, 33 R, 5%, 1/2 W, Carbon Film	CFR-50JB-33R	Yageo
16	1	R2	RES, 10 k, 5%, 1/2 W, Carbon Film	CFR-50JB-10K	Yageo
17	2	R3 R4	RES, 1 k, 5%, 1/10 W, Thick Film, 0603	ERJ-3GEYJ102V	Panasonic
18	1	R5	RES, 120 R, 5%, 1/10 W, Thick Film, 0603	ERJ-3GEYJ121V	Panasonic
19	3	R6 R7 R8	RES, 1.20 M, 1%, 1/4 W, Thick Film, 1206	ERJ-8ENF1204V	Panasonic
20	1	R9	RES, 1 k, 5%, 1 W, Metal Oxide	ERG-1SJ102	Panasonic
21	1	R10	RES, 300 R, 5%, 1 W, Metal Oxide	RSF100JB-300R	Yageo
22	1	R11	RES, 390 R, 5%, 1/2 W, Carbon Film	CFR-50JB-390R	Yageo
23	1	R12	RES, 68 R, 5%, 1/2 W, Carbon Film	CFR-50JB-68R	Yageo
24	1	R13	RES, 100 R, 5%, 1/2 W, Carbon Film	CF12JT100R	Stackpole Electronics Inc
25	1	R14	RES, 47 R, 5%, 1/2 W, Carbon Film	CFR-50JB-47R	Yageo
26	1	R15	RES, 10 R, 5%, 2 W, Wirewound, Fusible	FW20A10R0JA	Bourns
27	1	R16	RES, 10 R, 5%, 1/8 W, Carbon Film	CF18JT10R0	Stackpole
28	1	T1	Bobbin, EE25, Vertical, 10 pins	YW-360-02B	Yih-Hwa Enterprises
29	1	U1	TinySwitch-4, TNY287PG, DIP-8C	TNY287PG	Power Integrations
30	1	VR1	130 V, 600 W, 5%, TVS, DO204AC (DO-15)	P6KE130A	Microsemi Comm Comp
31	1	VR2	DIODE ZENER 12V 500MW SOD123	MMSZ5242B-7-F	Diodes, Inc