

BILL OF MATERIALS

ITEM	Reference	Part Number	Manufacturer	Description	Package Information	RS CODE	DigiKey code
1	IN	282837-2	TE Connectivity	Input connector		710-0100	
2	OUT	282837-2	TE Connectivity	Output connector		710-0100	
3	RV	B72210S0321K101	EPCOS	MOV		289-7749	
4	RB	RMB6S	Taiwan Semiconductor	Bridge rectifier	DFS	687-5920	
5	NTC	B57236S160M	EPCOS	16Ω		211-7964P	
6	FS	0461002.ER	Littlefuse	2A fuse		738-2977	
7	R1	ERJ-P08J224V	Panasonic	220kΩ±5% - 0.33W - 200V	1206	721-9122	
8	R2	ERJ3RQF4R7V	Panasonic	4.7Ω±1% - 0.1W	0603	722-0986	
9	R3	CRCW0603133KFKEA	Vishay	133kΩ±1% - 0.1W	0603	678-9759	
10	R4	ERJP03F3002V	Panasonic	30kΩ±1% - 0.1W	0603	721-7463	
11	R5	ERJT06J221V	Panasonic	220Ω±5% - 0.25W	0805	721-6889	
12	R6	ERJ-3EKF4702V	Panasonic	47kΩ±1% - 0.1W	0603		P47.0KHCT-ND
13	R7	ERJ3GEYJ102V	Panasonic	1kΩ±5% - 0.1W	0603	732-5652	
14	R8	ERJ3GEYJ123V	Panasonic	12kΩ±5% - 0.1W	0603	732-5693	
15	R9	ERJ3GEYJ823V	Panasonic	82kΩ±5% - 0.1W	0603	732-6012	
16	R10	ERJP03F1303V	Panasonic	130kΩ±1% - 0.2W	0603	763-3638	
17	R11	ERJP03F1502V	Panasonic	15kΩ±1% - 0.2W	0603	721-7432	
18	R12	CRCW06032M20FKEA	Vishay	2.2MΩ±1% - 0.1W	0603	679-0162	
19	C1	BFC233920224	Vishay	220nF-275V X2 cap	(17.5x7)mm	485-6677	
20	C2	400AX15MT810X16	Rubycon	Elcap 15uF-400V	Ø10mm - p5mm - h 20mm		400AX15MT810X16-ND
21	C3	400AX15MT810X16	Rubycon	Elcap 15uF-400V	Ø10mm - p5mm - h 20mm		400AX15MT810X16-ND
22	C4	C3216C0G2J102JT	TDK	MLCC capacitor 1nF-630V	1206	740-7502	
23	C5	GRM188R71H221KA01D	Murata	MLCC capacitor 220pF-16V	0603	723-5694	
24	C6	35YXM33MEFC5X11	Rubycon	Elcap 33uF-35V	Ø5mm - p2mm - h 11mm	704-8071	
25	C7	GRM1885C1H222FA01D	Murata	MLCC capacitor 2.2nF-50V	0603	723-5868	
26	C8	GRM188R71H333KA61D	Murata	MLCC capacitor 33nF-16V	0603	723-5705	
27	C9	25ZLJ470M10X12.5	Rubycon	Elcap 470uF-25V	Ø10mm - p5mm - h 12.5mm	725-8950	
28	C10	25YXJ100M5X11	Rubycon	Elcap 100uF-25V	Ø5mm - p2mm - h 11mm	749-7173	
29	C11	GRM188C81E105KAADD	Murata	MLCC capacitor 1uF-25V	0603	749-2144	
30	C12	GRM188R71H103KA01D	Murata	MLCC capacitor 10nF-50V	0603	204-0779	
31	C13	DE2E3KY222MA2BM01	Murata	Ceramic X1/Y1 capacitor 2.2nF 250Vac	Ø8 mm - p5 mm	721-5209	
32	D1	STTH1L06A	STMicroelectronics	Ultrafast diode 1A-600V	SMA	485-8500	
33	D2	BAT41ZFILM	STMicroelectronics	Signal schottky 0.15A-100V	SOD-123		497-5558-1-ND
34	D3	BAT41ZFILM	STMicroelectronics	Signal schottky 0.15A-100V	SOD-123		497-5558-1-ND
35	D4	BAT41ZFILM	STMicroelectronics	Signal schottky 0.15A-100V	SOD-123		497-5558-1-ND
36	D5	MMSZ5248B-V-GS08	Vishay	Zener diode 18V	SOD-123	699-7862	
37	D6	STPS5H100B	STMicroelectronics	Power Schottky 100V-5A	DPACK	249-189	
38	L1	B82144A2105J	Epcos	1mH axial inductor		191-1175	
39	L2	SD43-332ML	Coilcraft	3.3uH			
40	CM	744821120	Würth Elektronik	20mH CM CHOKE		489-0188	
41	IC1	VIPer37HE	STMicroelectronics	Offline HV converter	SDIP10		
42	OPT	SFH610A-2	Vishay	Optocoupler	SMD4	699-8203	
43	REF	TS432ILT	STMicroelectronics	Reference	SOT23		497-8108-1-ND

44	T1	YJ-310V600210	Yujingtech	Flyback transformer	EE13VP-11		james-chen@yujingtech.com
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