

Bill of materials

Index	Quantity	Ref.	Value / generic part number	Package / class	Manufacturer
1	1	R ₁	5.1Ω / 2 W	Wirewound	TE Connectivity
2	2	R ₂ , R ₃	51kΩ / ±0.1% / 0.25W	1206	ERA-8AEB513V
3	1	R ₄ -> R ₆	3.9Ω / 5% / 0.1W	0603	Panasonic
4	1	R ₅ -> R ₄	150 kΩ / 0.1% / 0.1 W	0805	TT Electronics
5	1	R ₆ -> R ₅	43 kΩ / ±1% / 0.1 W	0805	Venkel
6	0	R ₇	Not assembled		
7	1	R ₈ -> R ₇	10 kΩ / ±5% / 0.1 W	0805	Venkel
8	1	R ₉ -opt. → R ₈	100Ω / ±1% / 0.1 W	0603	TE Connectivity
9	1	C ₁	100 nF / 305 VAC / Polyester, Metallized Radial		EPCOS
10	1	C ₂	10 μF / 450 V		Panasonic
11	1	C ₃ -> C ₅	470 pF / 200 V	1608	
12	1	C ₄ ->C ₇	10 μF / 35 V / 105 °C		Panasonic
13	1	C ₅ -> C ₄	2.2 nF / 50 V	0603	Murata
14	1	C ₆ -> C ₁₀	1 nF / 50 V	0805	
15	2	C ₇ → C ₈ , C ₁₀ → C ₁₃	100 nF / 50 V	0805	Wurth Electronics Inc
16	1	C ₈ -> C ₁₁	470 μF / 35 V / low ESR	D12.5 x 20 RM 5	EPCOS
17	1	C ₉ -> C ₁₂	330 nF / 50 V	0805	Murata
18	1	C ₁₁ -> C ₉	100 pF / 25 V	0805	Murata
19	1	C ₁₂ → C ₆	1 nF / 250 VAC / Y1	Ø7x7mm	Murata
20	1	C ₁₃	22μF / 450V		Nichicon
21	1	C _{13A} -> C ₃	22μF / 450V	16mm Through Hole	Nichicon
22	1	L1	CMC 2 x 10 mH	UU9.8 RM 16.5x15	EPCOS
23	1	T1	EF20 1.396 mH	EF20	Wurth Elektronik
24	0	DB1	Not assembled		
25	1	DB1A	1 A / 800 V / bridge		Vishay General Semiconductor
26	1	D1	STTH1R06A	SMA	STMicroelectronics™
27	1	D2	1N4148	MINIMELF / SOD80	
28	0	D3	Not assembled		
29	1	D3A	STPS2H100U	SMB	STMicroelectronics

30	1	IC1	VIPER26LD	SOIC-Narrow-16	STMicroelectronics
31	1	IC2	L78L33ACD	SOIC8	STMicroelectronics
32	1	J1	Screw terminal 2 pos. 300 VAC	691102710002 RM 5 mm	Würth
33	1	J2	Screw terminal 3 pos.	282834-3 RM 2.54 mm	TE Connectivity

References:

1. <https://www.digikey.gr/>
2. https://www.st.com/content/st_com/en.html
3. <https://gr.mouser.com/>
4. <https://www.snapeda.com/>