

Table 6. Bill Of Materials

Item	Qty	Reference	Value
1	1	C1	0.1uF CX2 cap
2	2	C2a, C2b	10uF 400V
3	1	C3	150pF 400V
4	1	C4	10uF
5	1	C5	33nF
6	1	C6	47pF 400V
7	1	C7	1.8nF Y1
8	1	C8	100nF
9	1	C11	1.5mF 10V MBZ (10X16) Rubycon (Low ESR Capacitor)
10	1	D3	1N4148
11	1	D4	1A 600V Bridge
12	1	D5	STTH1R06 STMicroelectronics Part
13	1	D11	STPS340U (SMB Package) STMicroelectronics Part
14	1	F1	250mA
15	1	L12	1.5mH 0.25A
16	1	NTC1	33 Ω
17	1	R1	12K 1/4W
18	2	R2	10k
19	1	R3	1.5k
20	1	R4	10E
21	1	R5	1k
22	1	R6	560
23	1	R7	12.5k 1% Precision Resistor
24	1	R8	10k 1% Precision Resistor
25	1	R9	56k
26	1	T1	TDK SRW16ES_E44H013
27	1	U2	VIPer12A (ST Part)
28	1	U3	TL1431 (ST Part)
29	1	U4	PC817