

300B Driver R1.0

Bill of Materials

Item	Quantity	Reference	Part	Digikey P/N	Notes
1	2	C1,C6	10uF/450V	493-1241-ND	
2	1	C2	2.2uF/630V	N/A	Solen P/N PPE022
3	2	C3,C4	220nF/630V	N/A	Solen P/N PPE220
4	1	C5	620pF	338-2891-ND	
5	2	C7,C14	10uF/25V X5R	490-5525-1-ND	
6	1	C8	22nF X7R	490-1517-1-ND	
7	2	C9,C15	47uF/16V X5R	399-5514-1-ND	
8	2	C10,C16	1uF/10V X5R	490-1543-1-ND	
9	1	C11	10000uF/35V	565-2652-ND	
10	1	C12	47uF/16V X5R	399-3756-1-ND	
11	1	C13	10nF X7R	490-1512-1-ND	
12	1	D1	15V Zener	568-5018-1-ND	
13	3	D2,D3,D4	HLMP-D101	516-1324-ND	
14	1	D5	GBJ2510	GBJ2510-BPMS-ND	
15	2	D6,D7	BAV23S	BAV23SFSCT-ND	
16	1	D8	SS1P3L	SS1P3L-M3/84AGICT-ND	
17	2	HS1,HS2	HS-350	HS350-ND	
18	1	J1	4-pin connector	455-1641-ND	
19	1	J1	4-pin female plug	455-1185-ND	
20	1	J2	2-pin header	S2221EC-01-ND	
21	2	J3,J5	3-pin connector	455-1640-ND	
22	2	J3,J5	3-pin female plug	455-1184-ND	
23	1	J4	5-pin connector	455-1642-ND	
24	1	J4	5-pin female plug	455-1185-ND	
25	1	J6	2-pin connector	455-1639-ND	
26	1	J6	2-pin female plug	455-1183-ND	
27	14	J1,J3,J4,J5,J6	Connector terminal	455-1319-1-ND	

Item	Quantity	Reference	Part	Digikey P/N	Notes
28	1	L1	10uH	445-1998-1-ND	
29	2	Q1,Q2	IXYS 10M45	IXCP10M45S-ND	
30	1	Q3	2SK3564	2SK3564(STA4QM)-ND	
31	2	R1,R3	1k0	1.0KQBK-ND	
32	2	R2,R4	220R	220QBK-ND	
33	1	R5	10R	10QBK-ND	
34	1	R6	82k	82KQBK-ND	
35	1	R7	220k	220KQBK-ND	
36	1	R8	22R	22QBK-ND	
37	1	R9	100k	100KQBK-ND	
38	1	R10	100R	100QBK-ND	
39	1	R11	13k	13KQBK-ND	
40	1	R12	10k	10KQBK-ND	
41	2	R13,R14	1M0	1.0MQBK-ND	
42	1	R15	22k/3W	P22KW-3BK-ND	
43	1	R16	300k	300KQBK-ND	
44	1	R17	100k trimpot	3314H-1-104-ND	
45	1	R18	470k	470KQBK-ND	
46	1	R19	1k5/1W	1.5KW-1-ND	
47	1	R20	15k	311-15.0KHRCT-ND	
48	2	R21,R25	100k	311-100KHRCT-ND	
49	1	R22	5k62	311-5.62KHRCT-ND	
50	1	R23	1k07	311-1.07KHRCT-ND	
51	1	R24,R27	10k0	311-10.0KHRCT-ND	
52	1	R26	68k1	311-68.1KHRCT-ND	
53	2	TU1,TU2	6J5	N/A	
54	1	U1	LMZ12002	LMZ12002TZ-ADJCT-ND	
55	1	U2	LM2734	LM2734XMKCT-ND	