

**TPA2001D1-TAS5261 EVB ©2006 Brian West - Full Assembly BOM**

ITEM	PART	DESCRIPTION	PACKAGE	DIGIKEY NO.	QTY/AMP
1	C1,C2,C3,C4	0.1uF 100V X7R	C1206	399-1805-1-ND	4
2	C5,C6	120uF 100V KZE	E5-10.5	565-1737-ND	2
3	C7,C8,C23,C24,C26,C28,C31,C32,C33,C34,C36,C41,C42	0.1uF 50V X7R	C0805	399-1170-1-ND	13
4	C9,C10,C27	470pF 50V NP0	C0805	399-1133-1-ND	3
5	C11,C12,C19,C20,C43	10nF 100V X7R	C0805	399-1159-1-ND	5
6	C13,C14,C15,C16	1500uF 63V KZE	E7.5-18	565-1730-ND	4
7	C17,C18	1uF 100V MKT	5-7.5mm	495-1169-ND	2
8	C21,C22,C25,C38	68uF 16V FM	E2-5	P12921-ND	4
9	C29	1uF 16V X7R	C0805	399-1284-1-ND	1
10	C30	220pF 50V NP0	C0805	399-1127-1-ND	1
11	C35,C37	10uF 16V	E2-5	P5134-ND	2
12	C39,C40	1uF 63V MKT	C5B4.5	495-1119-ND	2
13	D1,D2,D3,D4	100V 1A schottky	SMB	MBRS1100CT-ND	4
14	D5,D6	13V 500mW zener	SOD123	BZT52C13-FDICT-ND	2
15	<b>L1,L2</b>	<b>10uH 10A</b>	<b>T106</b>	<b>N/A</b>	2
16	R1,R2,R9,R10	4.7 0.25W	R1206	RHM4.70FCT-ND	4
17	R3,R4	1.5	R0805	RHM1.50CCT-ND	2
18	R5,R6,R7,R8,R14,R19,R22,R35	4.7	R0805	RHM4.70CCT-ND	8
19	R11,R12	7.5k 0.25W	R1206	RHM7.50KFCT-ND	2
20	R13	27k	R0805	RHM27.0KCCT-ND	1
21	R15,R20,R21,R26,R27	10k	R0805	RHM10.0KCCT-ND	5
22	<b>R16,R17,R23,R24,R25,R32</b>	0	R0805	RHM0.0ACT-ND	5
23	R18	120k	R0805	RHM120KCCT-ND	1
24	R28,R30	280 1%	R0805	RHM280CCT-ND	2
25	R29	2.37k 1%	R0805	RHM2.37KCCT-ND	1
26	R31	453 1%	R0805	RHM453CCT-ND	1
27	T1,T2	NPN 70V 1A	SOT223	FZT692BCT-ND	2
28	U1	TPA2001D1	16TSSOP	296-7010-5-ND	1
29	U2	TAS5261	PSOP36	296-20729-5-ND	1
30	U3,U4	LM317	TO220	LM317TNS-ND	2
31	Standoffs	4-40 0.25" dia 1.5" long	N/A	3483K-ND	4
32	Screws	4-40 0.25" dia 5/16" long	N/A	H343-ND	6
33	<b>PCB</b>	<b>2oz copper</b>	<b>N/A</b>	<b>N/A</b>	1
					<b>100</b>

Note: R16, R17 don't need to be populated unless you want to use the OTW and SD outputs externally

Note: Populate R23, R24, R25 if you want to enable the TPA2001D1

Note: Leave R23, R24 open and populate R32 if you want to disable the TPA2001D1