

Designed by: JTA Design		Ver: 0.01	Code:	Parts list: PCM1792A DAC headphones amp main board	Original by: JTA 22.10.2007 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	C9-10 C30-33 C36-39 C66-67	12	FARNELL: 1288255	CER CAPACITOR 100n 10% 50V X7R 0603	
2	C48-51 C58-61	8	ELFA: 65-752-29	CER CAPACITOR 100p 5% 50V NP0/C0G 0603	
3	C11-14 C18-23 C34-35 C64 C68 C72	15	ELFA: 65-758-49 FARNELL: 722236	CER CAPACITOR 10n 10% 50V X7R 0603	
4	C3	1	FARNELL: 317202	CER CAPACITOR 1n 5% 50V NP0/C0G 0603	
5	C69-71	3	ELFA: 65-757-24	CER CAPACITOR 1n 10% 50V X7R 0603	
6	C73-74	2	ELFA: 65-777-04	CER CAPACITOR 220n 10% 50V X7R 1206	
7	C4	1	FARNELL: 8820180	CER CAPACITOR 22n 5% 50V NP0/C0G 1206	
8	C5-8	4	ELFA: 65-782-80 FARNELL: 718610	CER CAPACITOR 2n7 5% 50V NP0 1206	PHYCOMP: 2238 863 15272
9	C40-41	2	ELFA: 65-751-04 FARNELL: 498555	CER CAPACITOR 33p 5% 50v NP0/C0G 0603	
10	C1-2 C15-17 C24-29	11	FARNELL: 1108327	CER CAPACITOR 47µ 6.3V X5R 1210	KEMET: C1210C476M9PAC
11	C65	1	ELFA: 67-133-33	ELKO SMD 100U 25V D6.3 H7 CASE D8	
12	C63	1	ELFA: 67-229-46 FARNELL: 8126585	TH EL. CAP 100µ 35V 8X12 105C LOW ESR LONG LIFE R3.5	
13	C42-47 C52-57	12	ELFA: 67-237-38	POSCAP 150µ 10V 20% 105C D-CASE	
14	C62	1	ELFA: 67-237-46	POSCAP 330U 6.3V 20% 105C D-CASE	
15	X4	1		CONNECTOR PHOENIX 3 PIN MCV1.5/3-G-3.81	PHOENIX: MCV 1.5/3-3,81
16	X1	1		CONNECTOR PHOENIX 4 PIN MCV1.5/4-G-3.81	PHOENIX: MCV1.5/4-G-3.81
17	X7	1		CONNECTOR PHOENIX 4 PIN MPT 0,5/4-2,54	PHOENIX: MPT0,5/4-2,54
18	X3 X6	2	FARNELL: 1298785 1106832	FLATCABLE CONNECTOR 10 PIN	TYCO: 1761603-3 HARTING: 09185106324
19	X5	1	FARNELL: 1099257	FLATCABLE PCB STRAIGHT BOX HEADER 16PIN	
20	X2	1		PINHEADER 7X2 R=2.54	
21	V25 V31-34	5	FARNELL: 3939960	MBRS140T3 SCHOTTKY RECTIFIER 40V 1A SMB (DO-214AA)	ONSEMI: MBRS140T FAIRCHILD: MBRS140
22	V17 V22 V27-30	6	ELFA: 70-300-75 FARNELL: 9843612	DIODE DUAL BAV99 75V 215mA SOT23	
23	V6 V10	2	ELFA: 70-301-25 FARNELL: 1081436	ZENER BZX84-C6V8 6.8V 300mW 5% SOT23	
24	V26	1	ELFA: 71-096-55 FARNELL: 9845020	FDV303N N-FET 25V 450mR SOT-23	
25	V7-8 V19-20	4	ELFA: 71-301-31	BC847B NPN 45V 100mA 250mW SOT23	
26	V1 V13	2	FARNELL: 1228219 9557806	MJD44H11 NPN 80V 8A 20W DPAK	ONSEMI: MJD44H11G FAIRCHILD: MJD44H11TM
27	V3 V5 V14 V16	4	ELFA: 71-301-56	BC857B PNP 45V 100mA SOT23	
28	V2 V18	2	FARNELL: 9557814	MJD45H11 PNP 80V 8A 20W DPAK	ONSEMI: MJD45H11G
29	L3-4	2		POWER INDUCTOR 68µH IRMS 0.87A ISAT 0.95A	WÜRTH: 744777168
30	L1-2 L5-6	4	ELFA: 58-605-31	CHOKE 600R @ 100 MHz 0603	
31	N9 N11	2		MAX4665 QUAD ANALOG SWITCH SO14	MAXIM: MAX4665CSE+ ADI: ADG451BRZ

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32	V11-12 V23-24	4	FARNELL: 9488510	LM329 BURIED ZENER REFERENCE 6.9V TO-92	NATIONAL: LM329DZ
33	N7 N13	2	ELFA: 73-120-77	TH ADJ VREG LM317 1.25-37V 1.5A TO-220	NSC: LM317T
34	N8 N14	2	ELFA: 73-124-73	TH ADJ VREG LM337 -37-(-1.25V) 1.5A TO-220	NSC: LM337T
35	N10 N12	2	FARNELL: 9426450	AD797 ULTRA-LOW NOISE SINGLE OPAMP SO8	ADI: AD797ARZ
36	N15-16	2	FARNELL: 8621500	AD8031 RRIO 80MHz OPAMP SO8	ADI: AD8031ARZ
37	N4-5	2	FARNELL: 1206935	OPA2134 DUAL FET OPAMP SO8	TI: OPA2134UA
38	N6	1	FARNELL: 1212341	PGA4311 4-CHANNEL AUDIO VOLUME CONTROL SO28	TI: PGA4311U
39	N17	1	ELFA: 73-068-73 FARNELL: 9489746	SIMPLE SWITCHER 260kHz STEP-DOWN REG 5V 1A SO8	NATIONAL: LM2675M-5.0/NOPB
40	N2	1	FARNELL: 1207315	TPA6120A2 HIGH FIDELITY HEADPHONE AMPLIFIER SO20-POWERPAD	TI: TPA6120A2DWP
41	N18	1	ELFA: 73-269-72 FARNELL: 9493425	LP2951 ADJ LDO REGULATOR 1.24-29V 100 mA SO8	NATIONAL: LP2951CM/NOPB
42	N1	1		CS8416 192 kHz DIGITAL AUDIO INTERFACE RECEIVER SO28	CIRRUS: CS8416-CSZ
43	D1	1	FARNELL: 1014113	74VHC125 QUAD TRISTATE BUFFER SO14	
44	D2	1	FARNELL: 1103048	MSP430F149 MCU 8 MHZ 60K FLASH 2K RAM QFP64	TI: MSP430F149IPM
45	N3	1		PCM1792A 24 BIT 192 kHz AUDIO DAC SSOP28	TI: PCM1792ADB
46	V4 V9 V15 V21	4	ELFA: 75-307-51	SMD LED 20mA RED 1206	EVERLIGHT: 15-21SURD/S530-A3/TR8
47	R39 R47 R59 R67	4	ELFA: 60-445-49 FARNELL: 9238360	RESISTOR 100R 1% 100PPM 50V 63mW 0603	
48	R19-20	2	ELFA: 60-190-12 FARNELL: 9236643	RESISTOR 10R 100PPM 200V 250mW 1206	
49	R10 R21-36 R81 R83-84 R89	21	ELFA: 60-450-25 FARNELL: 9238603	RESISTOR 10k 1% 100PPM 50V 63mW 0603	
50	R79-80	2	ELFA: 60-190-38 FARNELL: 9240292	RESISTOR 12R 100PPM 200V 250mW 1206	
51	R40 R46 R60 R66	4	ELFA: 60-450-41 FARNELL: 9238611	RESISTOR 12k 1% 100PPM 50V 63mW 0603	
52	R6-9 R11-18 R37 R44 R57 R61-62 R64 R68-69 R90-103	34	ELFA: 60-447-88 FARNELL: 9238484	RESISTOR 1k 1% 100PPM 50V 63mW 0603	
53	R42 R48	2	ELFA: 60-447-96 FARNELL: 9330445	RESISTOR 1k1 1% 100PPM 50V 63mW 0603	
54	R41 R49 R70 R85	4	ELFA: 60-448-12 FARNELL: 9330550	RESISTOR 1k3 1% 100PPM 50V 63mW 0603	
55	R71-72	2	ELFA: 60-448-20 FARNELL: 9233407	RESISTOR 1k5 100PPM 50V 63mW 0603	
56	R78	1	ELFA: 60-448-61 FARNELL: 9238522	RESISTOR 2k2 1% 100PPM 50V 63mW 0603	
57	R1-4 R82	5	ELFA: 60-444-24 FARNELL: 9238301	RESISTOR 33R 1% 100PPM 50V 63mW 0603	
58	R5	1	ELFA: 60-448-95 FARNELL: 9330976	RESISTOR 3k0 1% 100PPM 50V 63mW 0603	
59	R77	1	ELFA: 60-449-11	RESISTOR 3k6 1% 100PPM 50V 63mW 0603	

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60	R43 R50 R53-56 R73-76	10	ELFA: 60-447-05 FARNELL: 9238441	RESISTOR 470R 1% 100PPM 50V 63mW 0603	
61	R87-88	2	ELFA: 60-451-81 FARNELL: 9233580	RESISTOR 47k 1% 100PPM 50V 63mW 0603	
62	R51-52	2	ELFA: 60-449-45 FARNELL: 9238565	RESISTOR 4k7 1% 100PPM 50V 63mW 0603	
63	R63 R86	2	ELFA: 60-447-54 FARNELL: 9331506	RESISTOR 750R 100PPM 50V 63mW 0603	
64	R38 R45 R58 R65	4	ELFA: 60-447-62 FARNELL: 9233377	RESISTOR 820R 100PPM 50V 63mW 0603	
65	B1	1	ELFA: 74-521-13	6.000 MHz CRYSTAL 30pF 50PPM HC49/HSMX	
66	G1	1	FARNELL: 9713492	CRYSTAL OSCILLATOR 12.288 MHz 50PPM 3.3V SMD 5x7mm	
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