

Designed by: JTA Design		Ver: 1	Code:	Parts list: 8 Channel Volume Control	Original by: JTA 29.11.2008 Updated by:
ITEM	REFERENCE	QTY	CODE	DESCRIPTION	MANUFACTURER / SUPPLIER
1	C5-10 C23-30 C39-46 C49-50 C67 C70-84 C187-192	46	FARNELL: 1288255	CER CAPACITOR 100n 10% 50V X7R 0603	
2	C1-4 C19-22 C35-38 C123-124 C137-138	16	ELFA: 65-752-29	CER CAPACITOR 100p 5% 50V NP0/C0G 0603	
3	C15 C47-48	3	ELFA: 65-758-49 FARNELL: 722236	CER CAPACITOR 10n 10% 50V X7R 0603	
4	C51-52	2	FARNELL: 1288206	CER CAPACITOR 10µ 25V X5R 1206	KEMET: C1206C106K3PAC
5	C57-60	4	FARNELL: 1414722	CER CAPACITOR 22n 10% 100V X7R 1206	
6	C11-13 C18 C31-34	8	ELFA: 65-683-07 FARNELL: 1200749	TH POLYESTER CAP 4µ7 10% 63V R15 W7	EPCOS: B32522C0475K
7	C55-56	2	ELFA: 67-200-64	OSCON 100µ 20% 20V R5 D10	SANYO: 20SA100M
8	C53-54	2	ELFA: 67-229-95 FARNELL: 9692347	TH EL. CAP 2200µ 35V 105C LOW ESR R7.5 D16	SANYO: 35MV2200AX
9	C14	1	ELFA: 67-726-77	TANTALUM 68µ 10V 20% 105°C D-CASE	KEMET: T491D686M010AS
10	X1-18	18		CONNECTOR PHOENIX 2 PIN MPT 0,5/2-2,54	PHOENIX: MPT 0,5/2-2,54
11	X19	1		CONNECTOR PHOENIX 4 PIN MCV1.5/4-G-3.81	PHOENIX: MCV 1.5/4-G-3.81
12	X20	1		FLATCABLE CONNECTOR 34 PIN WITH LATCHES	
13	V9-12 V14-16	7	ELFA: 70-000-29	S1D RECTIFIER DIODE 1A 200V DO-214AC	
14	V13	1	ELFA: 70-088-08 FARNELL: 1470959	DF01S 100V 1A Single Phase SMD Rectifier Bridge	
15	V1-8 V19-20	10	ELFA: 70-300-75 FARNELL: 9843612	DIODE DUAL BAV99 75V 215mA SOT23	
16	V21-22 V24	3	ELFA: 70-401-16 FARNELL: 9886230	TRANSZORB SMBJ30A 30V 600W DO-214AA	GI: SMBJ30A SEMTECH: SESMBJ30A
17	V25-26	2	FARNELL: 9846638	BCP56 NPN 80V 1A 1.3W SOT223	ONSEMI: BCP56T1 PHILIPS: BCP56
19	K1-4	4	ELFA: 37-209-43	IM07GR DPDT SMALL SIGNALSMD RELAY 24V COIL	TYCO ELECTRONICS: IM07GR
20	L1-12 L17-18 L20-21	16	ELFA: 58-605-31 FARNELL: 1515679	CHOKER 600R @ 100 MHz 0603	
21	L14-15	2	FARNELL: 1308793	CHOKER 600R @ 100MHz 2.5A 1206	
22	N11	1	ELFA: 73-120-77	TH ADJ VREG LM317 1.25...37V 1.5A TO-220	NSC: LM317T
23	N12	1	ELFA: 73-124-73	TH ADJ VREG LM337 -37...-1.25V 1.5A TO-220	NSC: LM337T
24	N1-4 N7-10	8	FARNELL: 1359679	LME49710 HIGH FIDELITY OPAMP 55 MHZ SO8	NATIONAL: LME49710MA/NOPB
25	N5-6 N27-28	4		PGA2320 STEREO VOLUME CONTROL SO16W	TI: PGA2320IDW
26	N13	1	ELFA: 73-269-72 FARNELL: 9493425	LP2951 ADJ LDO REGULATOR 1.24-29V/5V 100 mA SO8	NATIONAL: LP2951CM/NOPB
27	D1	1	ELFA: 73-904-46	74HCT245 BIDIRECTIONAL BUS TRANSCEIVER SO20	
28	V17	1	FARNELL: 1471012	MOC207 OPTOCOUPLER CTR=100...200% SO8	FAIRCHILD: MOC207-M
29	R1-4 R52-53 R66 R73	8	ELFA: 60-445-49 FARNELL: 9238360	RESISTOR 100R 1% 100PPM 50V 63mW 0603	
30	R5-20	16	ELFA: 60-452-64 FARNELL: 9238727	RESISTOR 100k 1% 100PPM 50V 63mW 0603	
31	R54-55	2		POWER RESISTOR 10R 5% 6W 12.70x4.78	VISHAY: CW-2B-13 10 5%

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32	R46 R56-64	10	ELFA: 60-450-25 FARNELL: 9238603	RESISTOR 10k 1% 100PPM 50V 63mW 0603	
34	R21 R23	2	ELFA: 60-446-22 FARNELL: 9238409	RESISTOR 220R 1% 100PPM 50V 63mW 0603	
35	R22 R25 R27	3	ELFA: 60-451-08 FARNELL: 9238646	RESISTOR 22k 1% 100PPM 50V 63mW 0603	
36	R24 R26	2	FARNELL: 9238530	RESISTOR 2k7 1% 100PPM 50V 63mW 0603	
39	R28-29	2	FARNELL: 9236813 ELFA: 60-194-75	RESISTOR 820R 1% 100PPM 200V 250mW 1206	
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OPTIONS: (see schematics)

40	R30-45	16		OPTIONAL OUTPUT ATTENUATORS, SEE SCHEMATICS	
24	N15-22	8	FARNELL: 1359679	LME49710 HIGH FIDELITY OPAMP 55 MHZ SO8	NATIONAL: LME49710MA/NOPB