

Date: 19/08/2009

Item	Part Name	Qty	Mounting / Dimensions	Designation 1	Designation 2	Designation 3	Designation 4	Designation 5	Designation 6	Designation 7	Parameter 1	Value 1	Parameter 2	Value 2	Parameter 3	Value 3	Parameter 4	Value 4	Package	MTF	Manufacturer	Manufacturer Part No	Supplier	Supplier Order No	Package Multiplier	Price Stock 1M	Price Stock 2M	Price Stock 3M	Price Stock 4M	Price Stock 5M	Price Stock 6M	Price Stock 7M	Price Stock 8M	Price Stock 9M	Price Stock 10M	Unit Price	Total Price
PCB Components																																					
1	00000101	1	BR1	Diode	Bridge Rectifier					Vrm	600V	If	1A						No	Multicomp	1W06	Farnell	4077300	1	0.167	5	0.115	100	0.104	500	0.096	1000		0	0.167	0.167	
2	00000242	6	C1, C2, C3, C4, C5, C6	Capacitor	Electrolytic	Ultra Low Impedance				Capacitance	1000u	Voltage	25V	Tolerance	20%			Radial	No	Panasonic	EEUFCE1E02	Farnell	9692193	1	0.57	5	0.46	50	0.32	100	0.27	500	0.26	1000	0	0.570	3.030
3	00000243	4	C7, C8	Capacitor	Electrolytic	Ultra Low Impedance				Capacitance	4700u	Voltage	16V	Tolerance	20%			Radial	No	Rubycon	12ELH470M16X25	Farnell	8126330	1	2.29	1	1.99	50	0.72	100	0.57	500	1.45	1000	0	2.290	4.580
4	00000244	2	C9, C10, C11, C12, C18, C19, C25, C26	Capacitor	Polyester					Capacitance	100n	Voltage	35V	Tolerance	20%			Radial	No	Panasonic	EEUFC1UFH4-10% 63V	Farnell	1030610	1	0.26	1	0.164	1000	0.14	5000	0	0.260	2.080				
5	00000253	2	C13, C20	Capacitor	Polyester					Capacitance	470n	Voltage	63V	Tolerance	10%			Radial	No	Evox Rifa	MM5K474K63J02L4	Farnell	1572400	1	0.3	0.5	0.275	50	0.24	250	0.21	500	0.178	1000	0	0.300	0.600
6	00000254	2	C14, C21	Capacitor	Polyester					Capacitance	1000u	Voltage	100V	Tolerance	10%			Radial	No	Evox Rifa	PPFR5-101J100L4	RS Components	2040707	1	0.16	5	0.152	50	0.14	100	0.13	500	0.118	1000	0	0.160	0.320
7	00000255	2	C14, C22	Capacitor	Polyester					Capacitance	10n	Voltage	63V	Tolerance	5%			Radial	No	Evox Rifa	PPFR5-103J63L4	RS Components	2040680	1	0.23	5	0.22	50	0.202	100	0.186	500	0.17	1000	0	0.230	0.460
8	00000276	2	C16, C23	Capacitor	Electrolytic					Capacitance	470u	Voltage	35V	Tolerance	20%			Radial	No	Panasonic	EEUFC4VAM471X	Farnell	8787289	1	0.38	1	0.32	50	0.27	100	0.199	500	0.158	1000	0	0.380	0.760
9	00000257	2	C17, C24	Capacitor	Electrolytic					Capacitance	470u	Voltage	25V	Tolerance	20%			Radial	No	ELNA	ROA Series	Hill Collective	2404655	1	0.2	1								0	0.200	0.400	
10	00000239	1	CN7	Connector	Audio		Jack Socket	6.35mm	PCB mount	Insulated									No	Lumberg	KLRBSS 3	Farnell	1200145	1	2.46	1	2.19	10	1.98	50	1.81	100	1.65	500	0	2.190	2.190
11	00000258	12	D1, D12	Diode	Signal					Vrm	100V	If	200mA						No			Farnell	1081177	1	0.034	10	0.02	100	0.04	250	0.009	1000		0	0.034	0.408	
12	00000269	1	F1	Fuse	Holder	20x5mm	PCB Mount												No	Schurter	0031-6201	Farnell	1162740	1	0.194	1	0.172	10	0.151	50	0.141	100		0	0.172	0.172	
13	00000267	1	FC1	Hardware	HeatSink	T0220	Vertical PCB mount			Height	25.4	Width	34.9	Depth	12.7				No	Waldtek Engineering	127-1048PE	Farnell	1251125	1	0.125	1	0.04	25	0.172	50				0	0.125	0.125	
14	00000246	4	IC1	IC	Voltage Regulator	Fixed	Positive			Voltage	12V	Current	1A					T0220	No	National Semiconductors	940240CT-12	Farnell	9402400	1	1.88	1	1.04	0.83	100	0.57	250	0.54	500		0	1.040	1.040
15	00000246	4	IC2	IC	Voltage Regulator	Fixed	Negative			Voltage	-12V	Current	1.5A					T0220 In No	No	SOS Thomson	L7912CP	Farnell	1087144	1	0.48	1	0.37	10	0.31	100	0.28	250		0	0.370	0.370	
16	00000259	2	IC3, IC4	IC	Operational Amplifier					10	Operational Amplifier							T0220	No	National Semiconductors	LME49710HA	Farnell	1433162	1	10.09	1	8.48	10	0.98	100	5.99	250	5.5	500	0	16.960	16.960
18	00000268	1		IC	Printed Circuit Board	160x100x1.6mm		15 days lead time												Custom Design		Newbury Electronics		1	45	1	20	5	17	10	1.05	20	6.2	50	0	17.000	17.000
19	00000248	8	R1, R3, R4, R5, R11, R13, R14, R15	Resistor	Carbon Composition					Resistance	1K	Power	0.25W	Tolerance	5%			Axial	No	Tyco electronics	CBT25-1K	Farnell	1265072	1	0.175	5	0.142	25	0.11	50	0.091	100	0.069	500	0	0.175	1.400
20	00000277	2	R2, R12	Resistor	Carbon Composition					Resistance	3K3	Power	0.25W	Tolerance	5%			Axial	No	Tyco electronics	CBT25-3K3	Farnell	1265075	1	0.175	5	0.142	25	0.11	50	0.091	100	0.069	500	0	0.175	0.350
21	00000277	1	R21	Resistor	Carbon Composition					Resistance	22K	Power	0.25W	Tolerance	5%			Axial	No	Tyco electronics	CBT25-22K	Farnell	1265081	1	0.175	5	0.142	25	0.11	50	0.091	100	0.069	500	0	0.175	0.175
22	00000250	4	R6, R7, R16, R17	Resistor	Carbon Composition					Resistance	47R	Power	0.25W	Tolerance	5%			Axial	No	Tyco electronics	CBT25-47R	Farnell	1265083	1	0.175	5	0.142	25	0.11	50	0.091	100	0.069	500	0	0.175	0.700
23	00000251	4	R8, R9, R18, R19	Resistor	Carbon Composition					Resistance	10R	Power	0.5W	Tolerance	5%			Axial	No	Tyco electronics	CBT50-10R	Farnell	1265014	1	0.27	5	0.197	25	0.164	50	0.131	100	0.098	500	0	0.270	1.080
24	00000278	2	R10, R20	Resistor	Carbon Composition					Resistance	47R	Power	2W	Tolerance	5%				No	Allen Bradley		Hill Collective		1	1.6	1								0	1.600	3.200	
25	00000278	2	R22, R23	Resistor	Carbon Composition					Resistance	100K	Power	0.25W	Tolerance	5%			Axial	No	Tyco electronics	CBT25-100K	Farnell	1265085	1	0.175	5	0.142	25	0.11	50	0.091	100	0.069	500	0	0.175	0.350
26	00000240	1	T1	Transformer	Toroidal	Encapsulated	Dual input	Dual output	44.7x44.7x19mm	Power	3.2VA	Voltage	2x12V	Current	133mA				No	Nuvotem	70012K	RS Components	2239870	1	6.29	1	5.85	12	5.55	25	5.32	50	5.1	100	0	6.290	6.290
27	00000261	2	TR1, TR5	Transistor	PNP					Vce	45V	Ice	100mA	Power	500mW	Hfe	110	T092	No	Fairchild Semiconductors	BC557	Farnell	1487882	1	0.078	1								0	0.078	0.156	
28	00000262	2	TR2, TR6	Transistor	NPN					Vce	45V	Ice	100mA	Power	500mW	Hfe	110	T092	No	Fairchild Semiconductors	BC107B	Farnell	1487889	1	0.078	1								0	0.078	0.156	
29	00000262	2	TR3, TR7	Transistor	PNP					Vce	160V	Ice	60mA	Power	625mW	Hfe	80	T092	No	Fairchild Semiconductors	2N5551	Farnell	9846761	1	0.105	5	0.068	25	0.048	100	0.035	1000	0.025	3000	0	0.105	0.210
30	00000263	2	TR4, TR8	Transistor	PNP					Vce	150V	Ice	60mA	Power	625mW	Hfe	80	T092	No	Fairchild Semiconductors	2N5401	Farnell	9846687	1	0.093	5	0.068	25	0.048	100	0.032	1000	0.025	3000	0	0.093	0.186
31	00000230	1	VR1	Resistor	Potentiometer	Audio		Log		Resistance	50K	Power	50mW	Tolerance	20%			Voltage AC	30V	No	Alps	RKT-50K	Rapid Electronics	86-0225	1	8.5	1	7.3	10	6.55	25				0	7.300	7.300
Total PCB Price: £73.73																																					
Other Hardware																																					
1	00000231	1	Audio Input Right	Connector	Audio	Phono	Phono	Red												Neutrik	NY3367-2	Farnell	5008529	1	1.37	1	1.28	10	1.19	50	1.09	100		0	1.280	1.280	
2	00000232	1	Audio Input Left	Connector	Audio	Phono	Black	Black												Neutrik	NY3367-0	Farnell	5008517	1	1.37	1	1.28	10	1.19	50	1.09	100		0	1.280	1.280	
3	00000234	1	Enclosure	Enclosure	Aluminium	Black Anodised	Aluminium End Panels			Width	103mm	Height	53mm	Depth	160mm					Hammond Manufacturing	1455N1601BK	Farnell	9258784	1	15.48	1	14.24	10	13.76	25	13.01	50		0	14.240	14.240	
4	00000237	1	Front Panel LED	LED	Blue	Blue														TT Electronics	Q4018AC7	Farnell	14979647	1	0.58	10	0.28	250						0	0.580	5.800	
5	00000266	1	Rear Main Switch	Switch	Rocker	SPST				Contact VAC	250V	Contact Cu6A								Arcoelectric	H8600GBVAAA	Farnell	151133	1	0.57	1	0.54	25	0.52	100	0.47	250	0.39	500	0	0.570	0.570
6	00000241	1	Power Input Connector	Connector	Power	IEC	Inlet	1.5mm panel mount												Schurter	1060.4315	Farnell	9523855	1	0.96	1	0.8	10	0.66	100	0.57	100		0	0.800	0.800	
7	00000235	1	Volume Knob	Knob	Aluminium	Anodised				Diameter	40mm	Height	28mm	Shaft	6mm							HillCollective		1	8.75	1							0	8.750	8.750		
8	00000273	1	Front Panel	Hardware	Front Panel	Black														cam export		Farnell	25000000	1	25.00	1							0	25.000	25.000		
9	00000000	4	Enclosure Feet	Feet		7.9mm height	16mm diameter													Custom Design	SJ502BLACK	Farnell	1165076	40	10.36	1							0	0.259	1.036		