

L		Part, Type	Designator	Footprint	Qty	Manufacturer
0						
.1	Media Chair Transmitter					
..2	Main BOARD					
...3	Main BOARD SMT					
PCB						
....4	Main Board PCB	VC1.0 FR-4 100*140mm			1	
DIODES						
....4	DIODE SCHOTTKY	MBR0560-TP	D16	SOD-123	1	Micro Commercial
....4	Switch Diode	BAT54S, SOT23	D7, D8, D9, D10, D11, D12, D13, D14	SOT-23	8	PHILIPS
....4	Surface Mount Rectifier	M2A	D15	SMA	1	HY
....4	Switch Diode	1SS352	D1, D2, D3, D4, D5, D6	SOD-323	6	TOSHIBA
Transistors						
....4	P-CH MOSFET	APM2301CAC, SOT23, Tape	M1, M2	SOT23/ECB/1.3X1.3	2	ANPEC
....4	Transistor	MMBT3904	Q5	SOT23	1	Vishay/ONSEMI
IC						
....4	Buffer	NC7NZ34K8X	U1	US8	1	FAIRCHILD
....4	Buffer	NC7SZ125M5X	U2	SOT23-5	1	FAIRCHILD
....4	MCU	PIC18F26K20-I/SS	U4	SSOP-28	1	MICROCHIP
....4	Audio decoder	NJU26501FS1	U6	QFP-52	1	NJRC
....4	Digital Audio Receiver	CS8416-CZZ	U7	TSSOP28	1	Cirrus Logic
....4	ADC	WM8775SEDS/V	U8	SSOP-28	1	WOLFSON
....4	LIP-SYNC Delay	TPA5051RSAR	U13, U14	QFN-16	2	TI
....4	Asynchronous Sample Rate Converter	AK4121VF	U15, U16, U17	TSSOP-24	3	AKM
....4	Regulator	AMS1117-3.3	U19	SOT-223	1	AMS
....4	DC-DC	TPS54331D	U20	SO-8	1	TI
....4	Regulator	AMS1117-5.0	U21	SOT-223	1	AMS
....4	Linear Regulator	AMS1117-1.8	U22	SOT-223	1	AMS
CRYSTALS						
....4	Crystal	24.576MHz 49SMD,24.576MHz,FL=30PPM,CL=25pF, 300uW,Tape	XT1	XTLSMD	1	
....4	Crystal	12.288MHZ,3.3V,5mmx7mm	XT2	5mmx7mm	1	
CONNECTOR						
....4	Connector SMD	0.5s-1-26PB	CN3	SOP	1	
....4	FFC Connector	1.0-9-11-PB	CN1	SOP	1	
CAPACITOR						
...3	ALU Electrolytic CAP	CD110,10uF,16V,±20%,F2.5	EC11, EC12, EC13, EC14, EC15, EC16, EC23, EC24	EC/D5/P2.5/1.7X1.7X1	8	
...3	ALU Electrolytic CAP	CD110,100uF,16V,±20%,F2.5	EC20, EC22, EC25	EC/D6.3/P2.5/2X2X1	3	
...3	ALU Electrolytic CAP	CD263,470uF,16V,±20%,F5.0	EC21	RB.2/3A	1	
...3	ALU Electrolytic CAP	CD263X,330uF,25V,±20%,F5.0	EC18, EC19	RB.2/3A	2	
...3	ALU Electrolytic CAP	CD263,3300UF/16V,±20%,16*25mm	EC17	RB.3/7	1	
CONNECTOR						
...3	2RCA	RCA2-W-R 2 heads,AV2-8.4-13PB1	RCA1		1	
...3	4POL RCA	AV4-8.4-13,	RCA2, RCA3		2	
...3	Optical Receiver	GP1FAV30RK0F	OPT1, OPT2		2	SHARP
...3	DC POWER JACK	DC-005	DC1		1	
...3	Connector	2.54 5PIN	J1	SIP	1	
...3	Wireless Module	DWAM80_EA CF3	Module1		1	STS
..2	Plastic Spacer	Nylon66,H=10.5	wireless module(2)		2	
..2	Plastic NUT	Nylon66,M3	wireless module(2)		2	
..2	Machine Screw	MB3×6	wireless module(2)		2	
..2	FPP BOARD					
...3	FPP BOARD SMT					
PCB						
....4	FPP PCB	VC1.0 FR-4 30*130mm			1	
Transistors						
....4	Transistor	MMBT3904	Q1, Q2, Q3, Q4	SOT-23	4	Vishay/ONSEMI
....4	Digital transistor	DTC114	Q7	SOT-23	1	ROHM
....4	Digital transistor	DTA114	Q6	SOT-23	1	ROHM
CONNECTOR						
....4	FFC Connector	1.0-9-11-PB	CN2	SOP	1	
DIODES						
...3	LED BLUE	φ3, Blue, BL-BB51V1V	LED1, LED2, LED3, LED4	LED-3MM	4	
...3	LED RED/BLUE	BL-BUBB5271V Φ3 Blue&Red	LED5		1	
IC						
...3	IR Receiver	TSOP34838	IR1		1	VISHAY
.1	SUBWOOFER					
..2	AMP BOARD					
...3	AMP BOARD					
....4	PCB	FR-4, 1.6mm, 80×145mm			1	
ICS						
....4	OPAMP	NJM5532M SO-8	U202	SO-8	1	
....5	MCU	ATMEGA16L-8AU,2.7-5.5V,TQFP-44	U102	TQFP-44	1	ATMEL
....4	Digital Audio AMP	TAS5342LADDVR	U200, U201	HTSSOP44	2	TI

....4	8-channel digital audio PWM processor	TAS5508BPAG	U100	TQFP-64	1	TI
....4	Rst	TPS3801K33DCKR	U103	SOT-323(SC70)	1	TI
....4	Regulator	LM1117MPX-3.3 / AMS1117-3.3	U104	SOT-223	1	NS/AMS
Transistor						
....4	Transistor	MMBT3906/MMBT3906LT1	Q102, Q200, Q201		3	Vishay/ONSEMI
....4	Transistor	MMBT3904/MMBT3904LT1/FMMT3904TASOT-23	Q100, Q101, Q103, Q104, Q106, Q107		6	Vishay/ONSEMI
....4	MOSFET	APM2301CAC, SOT23, Tape	M100	SOT23/ECB/1.3X1.3	1	ANPEC
DIODES						
....4	Switch Diode	IN4148	D100	SOD80C	1	
....4	ESD DIODE	1SMA33CAT	D200, D201, D202, D203, D204, D205, D206, D207	SMA	8	ST
CONNECTORS						
...3	SMD Socket	0.5S-1-26PB	J100		1	
CAPACITORS						
...3	Alu Electrolytic Capacitor	CD263, 10uF, 50V, ±20%, Pitch=2.5mm	C200, C201, C202, C290	RB2.5/5.0	4	
...3	Alu Electrolytic Capacitor	CD263, 10uF, 50V, ±20%, Pitch=2.5mm	C203	RB2.5/5.0	1	
...3	Alu Electrolytic Capacitor	CD263X, 100uF, 16V, ±20%, 5×11, F2.5	C140	RB2.5/6.3	1	
...3	Alu Electrolytic Capacitor	SD/RD-series, 470uF, 50V, ±20%, F5.0	C238, C239, C240, C241, C242, C243, C244, C245, C246, C247, C248, C249		12	
...3	Metallized Polyester Film Capacitor	CL23B, 470nF, 63V, Pitch=5mm, 5%	C294, C295, C296, C297	MMK5.0	4	
...3	Metallized Polyester Film Capacitor	CL23B, 1uF, 63V, Pitch=5mm, 5%	C274, C275, C276, C277	MMK5.0	4	
DIODES						
...3	LED	φ3, Blue&Red, BL-BUBB4274 A	Q105		1	
CONNECTORS						
...3	2.54 Connector	2.54 2*5Pin	JP100		1	
...3	Connector Socket	VH-2AW, 3.96 2Pin	J202		1	CNT
...3	Connector Socket	3P 3.96	J200		1	
...3	Connector Socket	PH 2.0A-7A	J101		1	
...3	Connector Socket	PH 2.0A-5A	J102		1	
...3	Connector Socket	VH 3.96A-10A	J201		1	
INDCTOR						
...3	Ferrite Bead		L204	FB10	1	
...3	INDUCTANCE	7075P-100M	L205, L206, L207, L208		4	
...3	INDUCTANCE	10uH, GCP1014-100M	L205, L206, L207, L208		4	
...3	INDUCTANCE	7075P-220M	L200, L201, L202, L203		4	
...3	INDUCTANCE	22uH, GCP1014-220M	L200, L201, L202, L203		4	
...3	Wireless Module	DWAM80_IA CF3	Module2		1	STS
..2						
...3	PCB	VP1.2 FR-4, 1.6mm 110×35mm			1	
...3	Slide Switch	TS-13-A1-2-CQ-S20	S1, S2		2	
...3	Connector Socket	5569-10A, 4.2mm 2*5pin	J2		1	
...3	Connector Socket	PH 2.0A-5A	J3		1	
...3	Connector Socket	3.96A-10A	J1		1	
..2						
...3						
SMT						
PCB						
....4	SMPS PCB	VC1.0 FR-4, 1.6mm			1	
DIODE						
....4	Switch Diode	LL4148	D902, D910	LL34	2	
....4	Schottky Rectifier Diode	MURS120T3G	D904	SMD	1	HY
....4	Zener Diode	5.6V, 0.5W	D906	LL34	1	
....4	Rectifier Diode	M7A	D901	SMD	1	HY
....4	Schottky Rectifier Diode	MBRS3100T3G, 3A 100V	D911	SMD	1	ONSEMI
IC						
....4	Photo Coupler	PC817X2NIP	U904, U905, U906	SMD	3	SHARP
....4	Voltage Norm	TL431BCDBZTG4	U901, U902	SOT23	2	TI
CAPACITORS						
...3	Interfernece Suppression Cap	MKP62, 330nF, 275VAC, X2, ±10%	CX901	Pitch=15mm, 18mm*10mm	1	
...3	Interfernece Suppression Cap	MKP62, 220nF, 275VAC, X2, ±10%	CX903, CX902	Pitch=15mm, 18mm*10mm	2	
...3	Hign Voltage Cermatic Capacitor	1nF, 400V(X1), 250V(Y1), ±20% CT81-400VAC-08b-2E4-102M-YA	CY901, CY902, CY903	Pitch=10mm	3	
...3	Hign Voltage Cermatic Capacitor	2.2nF, 400V(X1), 250V(Y1), ±20% CT81-400VAC-12b-2E4-222M-YA	CY904	Pitch=10mm	1	
...3	Metallized Polyester Film Capacitor	CL23B, 10nF, 400V, ±10%, Pitch=5mm	C921, C903	Pitch=5mm	2	
...3	Alu Electrolytic Capacitor	390uF, 400V, CD295, 25*45, ±20%	C920	Pitch=10mm, 30mm*45mm	1	
...3	Alu Electrolytic Capacitor	CD263(X), 10uF, 50V, ±20%	C904, C918, C922	Pitch=5mm, 5mm*11.5mm	3	
...3	Alu Electrolytic Capacitor	CD263(X), 47uF, 16V, ±20%	C915	Pitch=2.5mm 5mm*11.5mm	1	
...3	Alu Electrolytic Capacitor	CD263(X), 47uF, 35V, ±20%	C905	Pitch=5mm, 5mm*11.5mm	1	

...3	Alu Electrolytic Capacitor	CD11H, 10uF, 400V, ±20%	C901	Pitch=5mm 10mm*20mm	1	
...3	Alu Electrolytic Capacitor	CD286, 2200uF, 35V, ±20%	C927, C928	Pitch=7.5mm 16mm*25mm	2	
...3	Alu Electrolytic Capacitor	CD263X, 100uF, 35V, ±20%	C929	Pitch=2.5mm 6.3mm*11.5mm	1	
...3	Alu Electrolytic Capacitor	CD263X, 470uF, 25V, ±20%	C924	Pitch=5mm 10mm*11.5mm	1	
...3	Alu Electrolytic Capacitor	CD263X, 1000uF, 10V, ±20%	C912	Pitch=5mm 10mm*16mm	1	
RESISTOR						
...3	Metal Oxide film Resistor	1KΩ, 2W, ±5%	R932, R933	Pitch=5mm	2	
...3	Metal Oxide film Resistor	68KΩ, 1W, ±5%	R906	Pitch=5mm	1	
...3	Metal Oxide film Resistor	47KΩ, 2W, ±5%	R929	Pitch=5mm	1	
...3	NTC	5D-11	TH901	Pitch=7.5mm	1	SEMITEC
...3	TVS	TUR10D471	ZV901	Pitch=7.5mm	1	
DIODE						
...3	Rectifier Bridge	KBU810, 8A/1000V	D907		1	HY
...3	Rectifier Diode	UF4006	D903, D909	Pitch=5mm,	2	Vishay
...3	Rectifier Diode	UF4006	D903, D909	Pitch=5mm,	2	Fairchild
...3		P6KE-200A	D908	Pitch=5mm	1	
...3	Rectifier Diode	MUR1620	D912	TO-220AC	1	Onsemi
...3	Schottky Rectifier Diode	IN5822	D905	Pitch=5mm	1	
IC						
...3	Voltage Regulators	KA78R12	U908	TO-220-4L	1	Fairchild
...3	Power controller IC	TOP249YN	U907	TO220-7C	1	Power integrations
...3	Power controller IC	TNY274P	U903	DIP8	1	Power integrations
INDUCTOR						
...3	INDUCTOR	3~5uH	L906, L904	Pitch=10mm	2	
...3	INDUCTOR	18uH/5A	L905	Pitch=7.5mm	1	
...3	INDUCTOR	10uH, 2.6A, 744772100	L901		1	
...3	INDUCTOR	8mH min, 2A, T25*15*12	L903		1	
...3	INDUCTOR	4mH 2A	L902		1	
TRANSFORMER						
...3	Transformer	EEL1916, 1.2mH ±10%	T901	EE1916(4+6)	1	
...3	Transformer	ER-35, 150uH ±10%	T902	EER35(8+8)	1	
CONNECTOR						
...3	Connector	PH 2.0A-7A	J903		1	LONSID
...3	Connector	VH 3.96A-3A	J902		1	LONSID
MISC						
...3	Fuse	T3.15A/250V(MST3.15)	Fuse901		1	
...3	Transistor Washer	TW-5	MUR1620		1	
...3	Insulated Pad	SQ9418, SPK-4	MUR162		1	BERGQUIST
.1	Bass shaker	AST-2B-4			1	AURA
.1	2.5" Speaker				4	
..2	2.5" Speaker	4Ω, 10W RMS			4	Musicyang