

RefDes	Description	Value
C1	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C2	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C3	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C4	Samsung CAP CER 2.2UF 25V X5R 0805	2.2uF
C5	Samsung CAP CER 100PF 50V NP0 0805	100pF
C6	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C7	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C8	Samsung CAP CER 2.2UF 25V X5R 0805	2.2uF
C9	Nichicon CAP ALUM 100UF 20% 35V SMD	100uF 35V
C10	Samsung CAP CER 47PF 50V NP0 0805	47pF
C11	Nichicon CAP ALUM 1000UF 20% 25V SMD	1000uF 25V
C12	Nichicon CAP ALUM 1000UF 20% 25V SMD	1000uF 25V
C13	Samsung CAP CER 2.2UF 25V X5R 0805	2.2uF
C14	Samsung CAP CER 47PF 50V NP0 0805	47pF
C15	Samsung CAP CER 47PF 50V NP0 0805	47pF
C16	Samsung CAP CER 2200PF 50V NP0 0805	2.2nF
C17	Samsung CAP CER 2200PF 50V NP0 0805	2.2nF
C103	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C104	Panasonic CAP ALUM 10UF 20% 10V SMD	10uF 10V
C105	Panasonic CAP ALUM 10UF 20% 10V SMD	10uF 10V
C106	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C107	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C108	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C109	Panasonic CAP ALUM 10UF 20% 10V SMD	10uF 10V
C110	Samsung CAP CER 2.2UF 25V X5R 0805	2.2uF
C111	Samsung CAP CER 2.2UF 25V X5R 0805	2.2uF
C112	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C113	Panasonic CAP ALUM 10UF 20% 10V SMD	10uF 10V
C114	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C115	Panasonic CAP ALUM 10UF 20% 10V SMD	10uF 10V
C116	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C117	Samsung CAP CER 0.1UF 50V X7R 0805	0.1uF
C118	Panasonic CAP ALUM 10UF 20% 10V SMD	10uF 10V
CN1	Main PCB IRD Header CONN HEADER VERT 3POS .100 TIN	
CN2	Main PCB Rpi Header CONN HEADER VERT 40POS GOLD	
CN3	Main PCB Button Header CONN HEADER VERT 6POS .100 TIN	
CN4	Main PCB CLS-D Amp Header CONN HEADER FEMALE 14POS.1 TIN	
D1	Diodes Inc DIODE SCHOTTKY 40V 3A SMC	40V 3A
D2	Diodes Inc DIODE SCHOTTKY 40V 1A SOD123	40V 1A
J1	12VDC Power Jack CONN PWR JACK DC 2.0X5.5 8A T/H	
J102	Aux Input Jack CONN JACK STEREO 3.5MM R/A	
L1	Bourns FIXED IND 100UH 1A 400 MOHM SMD	100uH 1A
L2	Bourns FIXED IND 100UH 4.6A 53 MOHM Through Hole	100 uH 4.6A
Q101	On Semiconductor MOSFET N-CH 60V 0.115A SOT-23	60V 115 mA
R1	Vishay RES SMD 10K OHM 1% 1/8W 0805	10K
R2	Abracon 14VDC VARISTOR 19V 10A 0603	14VDC

R3	Vishay RES SMD 147 OHM 1% 1/8W 0805	147
R4	Vishay RES SMD 147 OHM 1% 1/8W 0805	147
R5	Vishay RES SMD 147 OHM 1% 1/8W 0805	147
R101	Vishay RES SMD 470 OHM 1% 1/8W 0805	470
R102	Vishay RES SMD 470 OHM 1% 1/8W 0805	470
R103	Vishay RES SMD 1K OHM 1% 1/8W 0805	1K
R104	Vishay RES SMD 1K OHM 1% 1/8W 0805	1K
R105	Vishay RES SMD 10K OHM 1% 1/8W 0805	10K
R107	Vishay RES SMD 10K OHM 1% 1/8W 0805	10K
R108	Vishay RES SMD 13.7K OHM 1% 1/8W 0805	13.7K
R109	Vishay RES SMD 5.23K OHM 1% 1/8W 0805	5.23K
TB1	2 post Terminal Block CONN TERM BLOCK 2.54MM 2POS PCB	
TB2	2 post Terminal Block CONN TERM BLOCK 2.54MM 2POS PCB	
TB3	2 post Terminal Block CONN TERM BLOCK 2.54MM 2POS PCB	
TB4	Audio Terminal Block 3 post CONN TERM BLOCK 2.54MM 3POS PCB	
U1	Level Shifter 3V3 - 5V0 IC BUS TRANSCVR TRI-ST SOT23-6	
U2	On Semiconductor IC REG MULT CONFIG INV 5V D2PAK	5V0 3A
U3	On Semiconductor IC REG MULT CONFIG INV 3.3V D2PAK	3V3 1A
U101	TI Analog Switch IC SWITCH QUAD 1X1 14SOIC	
U102	TI - Burr Brown IC DAC 16/24/32BIT AUDIO 28TSSOP	PCM5122
U103	STM IC OPAMP GP 1.3MHZ RRO 8MINISO	LMV358L