

Reference	Value	Notes	Qty
C101,C201	220n	5mm or 15mm pin spacing	2
C102,C202	470p	5mm pin spacing, film/C0G ceramic/mica	2
C103,C203	27p	Ceramic/silver mica, 5mm pin spacing	2
C104,C204	10u	Polarized electrolytic capacitor, 25V, pin spacing 2.5mm	2
C105,C205	15n	Polystyrene or PP film, 2.5% or better, 5mm pin spacing	2
C106,C206	6n8	Polystyrene or PP film, 2.5% or better, 5mm pin spacing	2
C107,C207	4n7	Polystyrene or PP film, 2.5% or better, 5mm pin spacing	2
C108,C208	100u	Polarized electrolytic capacitor, 25V, pin spacing 5mm	2
C109,C209	220u	Polarized electrolytic capacitor, 6.3V, pin spacing 3.5mm	2
C110,C210	2u2-4u7	Polypropylene film, several possible footprints (see the PCB)	2
C111,C211	2n2	Polystyrene or PP film, 2.5% or better, 5mm pin spacing	2
C112,C212	3n3	Polystyrene or PP film, 2.5% or better, 5mm pin spacing	2
C113,C114,C213,C214	100p	Polystyrene or PP film, 2.5% or better, 5mm pin spacing	4
J1	DC IN	Any terminal block with 5mm pin spacing (2 positions)	1
J2	PHONO IN	JST XH connector or a pin header with 2.54mm spacing (3 positions)	1
J3	LINE OUT	JST XH connector or a pin header with 2.54mm spacing (3 positions)	1
Q101,Q103,Q201,Q203	BC559C	alternatively, use 2N3906 rotated 180 degrees compared to the silkscreen	4
Q102,Q104,Q202,Q204	BC549C	alternatively, use 2N3904 rotated 180 degrees compared to the silkscreen	4
R101,R201	56K	1% metal film	2
R102,R202	1K	1% metal film	2
R103,R117,R203,R217	470K	1% metal film	4
R104,R204	33R	1% metal film	2
R105,R205	100K	1% metal film	2
R106,R206	15K	1% metal film	2
R107,R207	68K	1% metal film	2
R108,R208	22K	1% metal film	2
R109,R209	5K6	1% metal film	2
R110,R210	2K7	1% metal film	2
R111,R211	10K	1% metal film	2
R112,R212	150R	1% metal film	2
R113,R213	33K	1% metal film	2
R114,R214	3K9	1% metal film	2
R115,R215	100R	1% metal film	2
R116,R216	120R	1% metal film	2

**Alternative arrangements:** it is possible to use two 12nF capacitors for C105/106 and C205/206; leave C111/C211 unpopulated