

BOM For PeeCeeBee 5 Revision 1 Power Amplifier [One Channel, +/-50V]

(Updated on July 25 2024)

Fixed Resistors: (All 1/4 Watt 1% Metal Film Unless Otherwise Specified)

Reference	Value	Quantity	Pitch
R1,15,16,19,20	1K	5	10mm
R2,39,40	10K	3	10mm
R3,4,45,46,47,48	1R	6	10mm
R5,6,7,8,21,22	5K6	6	10mm
R9,10,23,24,33,34,35,36,43,44	100R	10	10mm
R11,12,25,26,27,28,29,30	2K2	8	10mm
R13,14,	470R	2	10mm
R17,18	33K	2	10mm
R31,32	220R	2	10mm
R37,38,41,42	10R	4	10mm
R49,50	0.22R 5W Vertical	2	10-12.7mm
R51,52,53,54	0.1R 2W Axial	4	20mm
R55,56	10R 5W Vertical	2	10-12.7mm

Capacitors:

Reference	Value	Quantity	Pitch
C1,9,10	220PF 500V CERAMIC	3	5mm
C2	1UF 63V POLYESTER	1	5mm
C3,C4,C17	2200UF 6.3V ELECTRO	3	5mm
C5,6,11,12,18,21,22,27,28,29,30,31,32	100NF 100V POLYESTER	13	5mm
C7,8	47PF 500V CERAMIC	2	5mm
C13,14,15,16	100PF 500V CERAMIC	4	5mm
C19,20,23,24,25,26	220UF 63V ELECTRO	6	5mm

Transistors:

Reference	Value	Quantity
Q1,4,6,8,10,12,14,16,18,22,24	2N5551	11
Q2,3,5,7,9,11,13,15,17,21,23	2N5401	11
Q19,26	MJE15035	2
Q20,25	MJE15034	2
Q27,28	IRF840/ANY TO220 N-MOS	2
Q29,31	NJW0302G	2
Q30,32	NJW0281G	2

Trimmer Resistors:

Reference	Value	Quantity
VR1,2,3	500R (Bourns 3296W "CW")	3

Connectors:

Reference	Value	Quantity
++VCC,VEE--,GND,OUT	6.35mm Spade Terminal	4
IN,0V	PIN HEADER	2

Inductors:

Reference	Value	Quantity
L1	1.5UH-3UH	1
