

Schematic Part	Description	Manufacturer part number	Count	Preferred Supplier
C1,C2	100pF 50V C0G MLCC TDK	FG28C0G1H101JNT00		2 Farnell, Digikey, RS
C5, C6, C7, C8	220nF 50V PP film capacitor red epoxy	220NF 224J		4 Aliexpress (LoCN)
C9, C10	4.7nF 100V PE film capacitor green epoxy	2A472J		2 Aliexpress (LoCN)
C11, C12	1.5nF 100V PS film capacitor green epoxy	2A152J		2 Aliexpress (LoCN)
C13, C14	220uF 10V aluminium capacitor Panasonic FR	EEUFR1A221		2 RS
C15, C16	100uF 25V aluminium capacitor Panasonic FR	EEUFR1E101		2 Farnell, Digikey, RS
C17, C18, C19, C20	680uF 25V aluminium capacitor Panasonic FR	EEUFR1E681		4 RS, Digikey, Farnell
C21, C22	100nF 50V PP film capacitor red epoxy	100NF 104J		2 Aliexpress (LoCN)
D1, D2	40V Schottky rectifier diode DO-41	SR150 or 1N5819		2 Farnell (MULTICOMP)
D3	33V 1W Zener diode DO-41	1N4752A-TR		1 RS (805-0104)
D4	3mm LED super orange red	MP007987		1 Farnell (MULTICOMP)
J1	RCA connector 4 channel gold plated	AV-4-8.4-9		1 SZGOZIE (Alibaba)
J3	DC power connector 5.5mm barrel 2.5mm pin	DC-005		1 SZGOZIE (Alibaba)
R1, R2, R3, R4	100R 1% MF resistor 600mW TE	LR1F100R		4 Farnell
R5, R6	1M 1% MF resistor 600mW TE	LR1F1M0		2 Farnell
R7, R8	470k 1% MF resistor 600mW TE	LR1F470K		2 Farnell
R9, R10	22k 1% MF resistor 600mW TE	LR1F22K		2 Farnell
R11, R12, R13, R14, R21	51k 1% MF resistor 600mW TE	LR1F51K		5 Farnell
R15, R16	470R 1% MF resistor 600mW TE	LR1F470R		2 Farnell
R17, R18	68k 1% MF resistor 600mW TE	LR1F68K		2 Farnell
R19, R20	220R 1% MF resistor 600mW TE	LR1F220R		2 Farnell
SW1	SPDT gold plated PCB toggle switch	100-SP1-T300B4M7RE		1 TAIWAY
U1	NJM2068 audio op-amp	NJM2068D		1 Digikey, Mouser
U1 (socket)	DIP8 IC turned gold plated IC socket	AR 08-HZL-TT		1 Digikey
Ground post	M4 locking nickel plated binding post	QA-JXZ009		1 https://czqiao.en.alibaba.com/
PCB	Circuit board 100*60mm	See PCBWay		1 PCBWay
Enclosure	Yonggu H17 60mm	See Yonggu		1
Feet	Adhesive rubber feet 3.5*12.7mm	1421T2, PD.2125BL, PD.2115BL		4 Farnell – try CPC
Linear PSU	9VAC 6VA power adapter	77DB-06-09-CA		1 IdealPower

Parts total

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