

Component	Value	Description	Role	Q.ty	Manufacturer		Mouser P/N	European alternatives	
					Name	Part Number		Distelec P/N	Same?
D2, D3 (Changed)		1A - 50V Diodes	Aux Rectifier	2	Vishay	SBYV27-100-E3/4	<b>625-SBYV27-100-E3/4</b>	601737	Diotec FE1D
D4		1A - 50V Diodes	Relay driver protection	1	Any	1N4001-E3	<b>625-1N4001-E3/54</b>	603560	Y
Q2-Q3		NPN Bipolar Transistor	Relay driver	2	Any	BC546	<b>512-BC546</b>	610356	Y
Q1		NPN Bipolar Transistor	Relay driver	1	Any	BC639G	<b>863-BC639G</b>	610378	Y
ZD1-ZD2		12V 1.3W Zener Diode	V Ref	2	Fairchild	BZX85C12	<b>512-BZX85C12</b>	600932	Y
C4, C5	100nF	MKT 100V 7,50mm	Bypass	2	Wima MKP4	MKP4-.1/250/10	<b>505-MKP4.1/250/10</b>	Banzai Music	
C7 (Changed)	10-22nF	MKT 50V / COG 5,00mm	Bypass	1	Wima FKS2	FKS2D021001B00JSSD	<b>505-FKS20.01/100/5</b>	820586	10,00%
C17, C18, C19, C20	100nF	MKT 50V / COG 5,00mm	Bypass	4	not used				
C21 (Changed)	22nF	MKT 50V / COG 5,00mm	Signal Bypass	1	Wima FKP2	FKP2-.022/63/2.5	<b>505-FKP20.022/63/2.5</b>	828231	Y
C10	22pF	MKT 50V / COG 5,00mm	Signal Filter	1	CDE CD10	CD10ED220JO3F	<b>598-CD10ED220JO3F</b>	Banzai Music	
C12	220pF	MKT 50V / COG 5,00mm	Signal Filter (Shunt)	1	Wima FKP2	FKP2220/100/2.5	<b>505-FKP2220/100/2.5</b>	828219	Y
C13	1uF	MKP 50V 22.5 mm	Coupling	1	Mundorf MCAP Zn	1.2 uf 250V	<b>PartsConnexion</b>	Banzai Music	
C9	220uF	Radial 50V Elco 5mm, D.8mm Audio grade	Signal Filter (Shunt)	1	Elna RJH	RJH-50V221MH6#	<b>eBay, Elfa.se</b>	<b>818676</b>	Elna RJH
C14	220uF	Radial 50V Elco 5mm, D.8mm	Aux PS Decoupling	1	Nichicon VR	UVR1H221MPD1TD	<b>647-UVR1H221MPD1TD</b>	802452	NCC SMG
C1, C2	220uF	Radial 50V Elco 5mm, D.8mm Low ESR	35V PS Decoupling	2	Elna RJH	RJH-50V221MH6#	<b>eBay, Elfa.se</b>	<b>818676</b>	Elna RJH
C3, C8	10000uF	Snap-In 50V Elco10mm,D.300mm Audio Grade	35V PS Decoupling	2	Mundorf M-Lytic AG (MPLI)	10000uF 63V (30mm)	<b>PartsConnexion</b>	Banzai Music	
C3, C8 (alternate)	10000uF	Snap-In 50V Elco10mm,D.300mm Audio Grade	35V PS Decoupling	3	Panasonic TS-HA / TS-UP	ECO-S1HA103DA	667-ECO-S1HA103DA	818884	Elna LAH
C15	22uF	Radial 25V Elco 2mm, D.6.5mm	Relay PS Decoupling	1	Nichicon VR	UVR1E220MDD	<b>647-UVR1E220MDD</b>	802449	NCC SMG
C16	100uF	Radial 25V Elco 5mm, D.8mm	Relay PS Decoupling	1	Nichicon VR	UVR1E101MED	<b>647-UVR1E101MED</b>	802451	NCC SMG
C6, C11	100uF	Radial 50V Elco 5mm, D.8mm Low ESR	12V PS Decoupling	2	Elna Cerafine	100uF 35V	<b>PartsConnexion</b>	HiFi Collective	
C34	10pF	COG 200V 5,00mm	LM318 Compensation	1	CDE CD5	CD5CC100JO3F	<b>598-CD5CC100JO3F</b>	Banzai Music	
C30	1nF	MKP 100V 5,00mm	Signal Filter	1	Wima FKS2	FKS2D011001A00JSSD	<b>505-FKS21000/100/5</b>	820580	10,00%
C32	150pF	COG 200V 5,00mm	Signal Filter	1	Wima FKP2	FKP2-150/100/2.5	<b>505-FKP2150/100/2.5</b>	828218	Y
U1		LM318 DIL	Voltage Opamp	1	National Semi	LM318N/NOPB	<b>926-LM318N/NOPB</b>	640727	Y
IC1		LM3886	Current Opamp	4	National Semi	LM3886TF/NOPB	<b>926-LM3886TF/NOPB</b>	640447	Y
DR1, DR2, DR3, DR4		Soft Recovery Diode	Main Rectifier	4	ON Semiconductor	MUR820G	<b>863-MUR820G</b>	604876	Y
R5, R8	22K0	1/4W 0.1% 6,3mm	Signal	2	IRC	RC55LF-D-22K1-B-B	<b>66-RC55LF-D-22.1K</b>	714687	Vishay SMA0207
R6, R9	47K0	1/4W 0.1% 6,3mm	Signal	2	IRC	RC55LF-D-47K5-B-B	<b>66-RC55LF-D-47.5K</b>	714705	Vishay SMA0207
R42	47	1/4W 1% 6,3mm Metal Film	Signal	1	KOA Speer MF	MF1/4CCT52R47R0F	<b>660-MF1/4CCT52R47R0F</b>	714049	Vishay SMA0207
R10	390	1/4W 2% 6,3mm Carbon Film	Signal (Shunt)	1	KOA Speer CF	CF1/4CT52R391J	<b>660-CFS1/4CT52R391G</b>	700020	CFR25RD14S
R12	3K3	1/4W 2% 6,3mm Carbon Film	Signal	1	KOA Speer CF	CFS1/4CT52R332G	<b>660-CFS1/4CT52R332G</b>	700031	CFR25RD14S
R37	3K3	1/4W 1% 6,3mm Metal Film	Signal	1	KOA Speer MF	MF1/4CC3321F	<b>660-MF1/4CC3321F</b>	714103	Vishay SMA0207
R7	12K0	1/4W 1% 6,3mm Metal Film	Signal	1	KOA Speer MF	MF1/4CC1202F	<b>660-MF1/4CC1202F</b>	714123	Vishay SMA0207
R13	100K	1/4W 2% 6,3mm Carbon Film	Signal (Shunt)	1	KOA Speer CF	CFS1/4CT52R104G	<b>660-CFS1/4CT52R104G</b>	700049	CFR25RD14S
R2	10K	1/4W 1% 6,3mm Metal Film	LM3886 Mute	1	KOA Speer MF	MF1/4CC1002F	<b>660-MF1/4CC1002F</b>	714115	Vishay SMA0207
R39	470K	1/4W 1% 6,3mm Metal Film	LM318 Compensation	1	KOA Speer MF	MF1/4CC4703F	<b>660-MF1/4CC4703F</b>	714173	Vishay SMA0207
R43	22K	1/4W 1% 6,3mm Metal Film	LM318 Compensation	1	KOA Speer MF	MF1/4CC2212F	<b>660-MF1/4CC2212F</b>	714132	Vishay SMA0207
R11 (See note)	1	1/4W 5% 6,3mm Carbon Film	Shunt to power ground	1	KOA Speer SPR2	SPRX2C1R0J	<b>660-SPRX2C1R0J</b>	Banzai Music	
R19	10K	1/4W 1% 6,3mm Metal Film	Speaker Protection	1	KOA Speer MF	MF1/4CC1002F	<b>660-MF1/4CC1002F</b>	714115	Vishay SMA0207
R23	6K8	1/2W 5% 9mm Metal Film	Speaker Protection	1	KOA Speer MF	MF1/2DC6811F	<b>660-MF1/2DC6811F</b>	714111	Vishay SMA0207
R22	8K2	1/4W 1% 6,3mm Metal Film	Speaker Protection	1	KOA Speer MF	MF1/4CC8251F	<b>660-MF1/4CC8251F</b>	714113	Vishay SMA0207
R20	47K	1/4W 1% 6,3mm Metal Film	Speaker Protection	1	KOA Speer MF	MF1/4CC4702F	<b>660-MF1/4CC4702F</b>	714140	Vishay SMA0207
R15, R16	75K	1/4W 1% 6,3mm Metal Film	Speaker Protection	2	KOA Speer MF	MF1/4CC7502F	<b>660-MF1/4CC7502F</b>	714145	Vishay SMA0207
R21	220K	1/4W 1% 6,3mm Metal Film	Speaker Protection	1	KOA Speer MF	MF1/4CC2213F	<b>660-MF1/4CC2213F</b>	714165	Vishay SMA0207
R1, R4	1K	3W 5% 16mm (2W)	35V PS Decoupling	2	KOA Speer SPR3	SPR3CT631R102J	<b>660-SPR3CT631R102J</b>	713633	Vishay PR03
R14	470	1W 5% 10mm (2W)	Led PS Decoupling	1	KOA Speer MOS1	MOS1CT52R471J	<b>660-MOS1CT52R471J</b>	715840	Vishay SMA0414
R3	0,47	5W WW 20x10 Ceramic case	Signal	1	Caddock	MP915-0.5-1%	<b>684-MP915-0.5</b>	727127	Caddock MP930
R3 heatsink				1	Aavid Thermalloy	577202B00000G	<b>532-577202B00</b>	Banzai Music	
RELAY1		24VDC 2sc 8A-250V	Speaker Protection	1	Omron	G5LE-14-DC24	<b>653-G5LE-14-DC24</b>	40821	Y
PGND, AC1, AC2		Faston Connectors (PCB Mount)	Power connection	5	Keystone / Tyco	1287	<b>534-1287 / 62409-1</b>	450393	Nude Brass
Connector		Faston Female connectors	Power connection	5	Molex	19003-0001	<b>538-19003-0001</b>	116483	Nude
IGND_IN		Pin Strip Headers (gold plated)	Signal connection	1	Molex	22-11-2022	<b>538-22-11-2022</b>	114620	Tin plated
LED		Pin Strip Headers (tin)	Signal connection	1	Molex	22-23-2021	<b>538-22-23-2021</b>	114620	Y
Molex pin		Phosphor Bronze/gold plated Contacts	Signal connection	4	Molex	08-65-0816	<b>538-08-65-0816</b>	114661	Brass type
Molex housing		Receptacle Housings	Signal connection	2	Molex	10-11-2023	<b>538-10-11-2023</b>	114600	Y
Spacer		Metric Hex Spacer	PCB Mount	4	Harwin	R30-1011002	<b>855-R30-1011002</b>	340946	Y
Screw		M3 steel screw	PCB Mount	8	Keystone	29311	<b>534-29311</b>	348305	Y

Supplier P/Ns in **Bold** are the from the preferred source

All resistors in blue are good candidates for 'Audio Grade' alternates like PRP or Takman

C9 with its bypass is very good but a BlackGate Standard 220uF 16V is even a bit better. Don't buy C21 if you'll use the BG.

Mundorf Zn is the only cap that sounds as similar as DC-Coupling as possible. If you want to spend less a soviet K73-16 is a nice alternative

Some shunt resistors are indicated as carbon film since they sound better than metal film in these positions.

Recommended R11 is a KOA SPR aka Kiwame, it's bigger than the original part so it must be mounted using C20 ground pin.

Except for R10 where I recommend a Takman REX, PRPs are recommended for Metal Film and Riken or Takman Metal Film for Carbon Film. An all PRPs config is also good.

PRP are more lively, punchy, Takmans are more relaxed and sweet, all of them are a nice improvement over KOAs CF and MF.

For Audio Grade components:

Part Connexion (PRP, Takman, BlackGate, Mundorf Zn), Sonicraft (PRP, Takman), Banzai Music (Mundorf, Wima)

For European builders:

The most convenient thing to do is to buy all you can from Mouser trying to reach 75€ to have free shipping and the rest from PartsConnexion

**This bom is for ONE (1) monoblock**