

Position					Suggested Best Part		Mouser		Parts Connexion	Notes
Part	Value	Rating	Package	Q.ty	Manufacturer	Part	Order #	Notes	Order #	
Amplifier										
C1, C2	220uf	50V	E5-10,5	2	Elna	RJH	667-EEU-FM1H221	Panasonic FM		Can be ordered from Elfa-Distelec
C4	100nf	250V	C7-10B5	1	Wima	MKP4	505-MKP4.1/250/10			
C7	10nf	50V	C5B3.5	1	Wima	FKP2	505-FKP20.01/63/2.5			NOS ERO KP1834 is a fantastic alternative
C9	220uF	50V	E5-10,5	1	Black Gate	FK	647-UFG1H221MHM	Nichicon FG		Black Gate PK or STD are fine alternatives
C10	22pf		C5B3.5	1	CDE	CD10	598-CD10ED220JO3F			
C12	220pf	100V 2.5%	C5B4.5	1	Amtrans	AMCH	505-FKP2220/100/2.5	Wima FKP2	AMTRANS-73778	
C13	1uF	250V	Axial	1	Audyn	True Copper	75-V735P105X9200L	Vishay V-735P		
(C21) (Optional)	22nF	16V	C1206	1	Wima	FKP2	505-FKP20.022/63/2.5			
C30	1nf	100V	C5B3.5	1	Amtrans	AMCH	505-FKP21000/100/2.5	Wima FKP2	AMTRANS-73784	NOS Wima FKC2 is a fine alternative
C32	150pf	100V 2.5%	C5B4.5	1	Amtrans	AMCH	505-FKP2150/100/2.5	Wima FKP2	AMTRANS-73852	NOS ERO KP1834 is a fantastic alternative
C34	10pf		C5B3.5	1	CDE	CD10	598-CD10CD100JO3F			
IC1	LM318D		DIL8	1	NatSemi	LM318N	LM318N/NOPB			
IC2	LM3886TF		TO220-11	1	NatSemi	LM3886TF	926-LM3886TF/NOPB			
R2	10K	1/4W 2%	0207/10	1	KOA Speer	CF1/4	660-CFS1/4CT52R103G			
R3	0R47	5W	TO220	1	Caddock	MP-915	684-MP915-0.5			
R3 Heatsink			TO220	1	Aavid Thermalloy		532-577202B00			
R5, R8	22K	1/4W 0.1%	0207/10	2	IRC	RC55Y	66-RC55LF-D-22.1K			
R6, R9	47K	1/4W 0.1%	0207/10	2	IRC	RC55Y	66-RC55LF-D-47.5K			
R7	12K	1/4W 1%	0207/10	1	KOA Speer	MF1/4	660-MF1/4CC1202F			
R10	390	1/4W 2%	0207/10	1	KOA Speer	CF1/4	660-CFS1/4CT52R391G			
R11	1	1/4W 1%	0207/10	1	KOA Speer	SPR2	660-SPRX2C1R0J			
R12, R37	3K3	1/4W 1%	0207/10	2	KOA Speer	MF1/4	660-MF1/4CC3321F			
R13	100K	1/2W 1%	0207/10	1	Caddock	MK312V	684-MK132V-100K			
R39	470K	1/4W 1%	0207/10	1	KOA Speer	MF1/4	660-MF1/4CC4703F			
R42 (Optional)	47R	1/4W 1%					660-MF1/4CCT52R47R0F			
R43	22K	1/4W 1%	0207/10	1	KOA Speer	MF1/4	660-MF1/4CC2212F			
Power Supply										
C3,C8	10,000uf	50V	EB30D	2	Mundorf	M-Lythic AG (MPLI)	667-ECO-S1HA103DA	Panasonic TS-HA	MUNDORF-74876	
C6, C11	100uF	35V	E5-10,5	2	Elna	Cerafine	647-UFG1H101MPM	Nichicon FG	ELNA-72680	
DR1, DR2, DR3, DR4	MUR820		TO220ACS	8	OnSemi	MUR820G	863-MUR820G			
R1, R4	1K	2W		2	KOA Speer	SPR3	660-SPR3CT631R102J			
ZD1-ZD2	12V	1W		2	Fairchild	BZX85C12	512-BZX85C12			
DC & Speaker Protection										
C14	220uf	50V	E5-10,5	1	Nichicon	FG	647-UFG1V221MPM			
C15	22uf	25V	E2,5-5	1	Nichicon	FG	647-UFG1E220MDM			
C16	100uf	25V	E3,5-8	1	Nichicon	FG	647-UFG1E101MPM			
D4	1N4001		D-7.5	1	Any	1N4001	625-1N4001-E3/54			
DR1, DR2	SBYV27	100V	D-10	2	Vishay	SBYV27-100	625-SBYV27-100-E3/4			
R14	470	1W	0309/12	1	Any		MOS1CT52R471J			
R15, R16	75K	1/4W	0207/10	2	Any		660-MF1/4CC7502F			
R19	10K	1/4W	0207/10	1	Any		660-MF1/4CC1002F			
R20	47K	1/4W	0207/10	1	Any		660-MF1/4CC4702F			
R21	220K	1/4W	0207/10	1	Any		660-MF1/4CC2213F			
R22	8K2	1/4W	0207/10	1	Any		660-MF1/4CC8251F			
R23	6K8	1/2W	0309/12	1	Any		MF1/2DC6811F			
K1	G5LE	DC24V		1	Omron	G5LE-14-DC24	653-G5LE-14-DC24			
Q1	BC639		TO-92	1	Any		863-BC639G			
Q2, Q3	BC546A		TO-92	2	Any		512-BC546CTA			
Connectors & Hardware										
AC1, AC2, OUT, OUT_GND, PGND			AMP-62409-1	5	Keystone / Tyco	1287	534-1287			
IN (Pin steap header)	Gold plated			1	Molex	22-11-2022	538-22-11-2022			
LED (Pin steap header)	Tinned			1	Molex	22-23-2021	538-22-23-2021			
Molex crimp pin	Gold plated			6	Molex	08-65-0816	538-08-65-0816			
Molex crimp housing				2	Molex	10-11-2023	538-10-11-2023			
Spacer	M3			4	Harwin	R30-1011002	855-R30-1011002			
Screw	M3			8	Keystone	29311	534-29311			