

Position					Suggested Part		Mouser		Parts Connexion
Part	Value	Rating	Package	Q.ty	Manufacturer	Part	Order #	Notes	Order #
Amplifier									
C1, C2	220uf	50V	E7,5-16	2	Elna	RJH	667-EEU-FM1H221	Panasonic FM	
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		
C9	220uF	50V	E7,5-16	1	Nichicon	FG	647-UFG1H221MHM		
C10	22pf		C0805	1	CDE	MC	5982-08-100V22-F		
C10 (Alternate comp.)	33pF		C0805	1	CDE	MC	598-MC08FA330J-F		
C12	220pf	100V 2.5%	C5B4.5	1	Wima	FKP2	505-FKP2220/100/2.5		
C13	1uF	250V	C225-113X268	1	Mundorf	MCAP Zn	75-V735P105X9200L	Vishay V-735P	MUNDORF-72788
(C21)	22nF	16V	C1206	1	Panasonic	ECHU	667-ECH-U1C223GX5		
C30	1nf	100V	C5B3.5	1	Wima	FKP2	505-FKP21000/100/2.5		
C32	150pf	100V 2.5%	C5B4.5	1	Wima	FKP2	505-FKP2150/100/2.5		
C34	10pf		C0805	1	CDE	MC	5982-08-100V10-F		
C34 (Alternate comp.)	27pf		C0805	1	CDE	MC	5982-08-100V27-F		
D1, D2	BAV99		SOT23	2	NXP	BAV-99W	771-BAV99W-T/R		
D3	27V	1/2W	SOD80C (mini MELF)	1	NXP	BZV55	771-BZV55-C27115		
IC1	LM318D		SO8	1	NatSemi	LM318M	926-LM318M/NOPB		
IC2	LM3886TF		TO220-11	1	NatSemi	LM3886TF	926-LM3886TF/NOPB		
R2	10K	1/4W 2%	R1206	1	Vishay	CMA0204	594-CMA02040X1002GB3		
R3	0R47	5W	TO220	1	Caddock	MP-930	684-MP930-0.5		
R3 Heatsink			TO220	1	Aavid Thermalloy		532-577202B00		
R5, R8	22K	1/4W 0.1%	R1206	2	Susumu	RG32	754-RG3216P-2202-BT5		
R6, R9	47K	1/4W 0.1%	R1206	2	Susumu	RG32	754-RG3216P-4702-BT5		
R7	12K	1/2W 1%	R1206	1	Susumu	RG32	754-RG3216P-1202-BT5		
R10	390	1/2W 1%	0309/12	1	KOA Speer	CF1/2	660-CF1/2C391J		
R11	1	1/4W 2%	0410/15	1	KOA Speer	SPR2	660-SPRX2C1R0J		
R12, R37	3K3	1/2W 1%	R1206	2	Susumu	RG32	754-RG2012P-332DT5	RG20 (0805)	
R13	100K	1/2W 1%	MK	1	Caddock	MK312V	684-MK132V-100K		
R39	470K	1/4W 2%	R0805	1	Susumu	RG20	754-RG2012P-474-BT5		
R43	22K	1/4W 2%	R0805	1	Susumu	RG20	754-RG2012P-223DT5		
Power Supply									
C101, C201	10,000uf	50V	EB30D	2	Mundorf	M-Lythic AG (MPLI)	667-ECO-S1HA103DA	Panasonic TS-HA	MUNDORF-74876
C102, C202	100uF	35V	E5-10,5	2	Nichicon	FG	647-UFG1H101MPM		
D105, D205	14V	1/2W	DO35	2	Fairchild	1N5244B	512-1N5244B		
D101-D104, D201-D204	MUR820		TO220ACS	8	OnSemi	MUR820G	863-MUR820G		
IC101	LM317		TO220ACS	1	OnSemi	LM317TG	863-LM317TG		
IC201	LM337		TO220ACS	1	OnSemi	LM337TG	863-LM337TG		
R101, R201	50	1/2W 1%	TO126	2	Caddock	MP915	684-MP915-50		
R104, R204	200	1/2W 1%	MK	2	Caddock	MK132V	684-MK132V-200		
T101	BC639-16	1W	NPN-TO126	1	OnSemi	BC639-16	863-BC639-16ZL1G		
T201	BC640-16	1W	PNP-TO126	1	OnSemi	BC640-16	863-BC640-016G		
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	2W	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	1W	0309/12	1	Any		MF1/2DC6811F		
K1	G5LE	DC24V		1	Omron	G5LE-14-DC24	653-G5LE-14-DC24		
Q1	BC639		NPN-TO92-ECB	1	Any		863-BC639G		
Q2, Q3	BC546A		PNP-TO92-EBC	2	Any		512-BC546CTA		
Connectors & Hardware									
AC1, AC2, NAC1, NAC2,OUT, OUT_GND, PWR_GND			AMP-62409-1	7	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		