

Qty	Parts	Description	Manufacturer	Mfg PN	Vendor	Vendor PN	Cost Ea	Cost Ext	Alt Vendor	Alt vendor PN
5	C1, C6, C8, C11, C12	Capacitor film 2.2uF 50V 5mm LS	Wima	MKS2B042201F00KF00	Mouser	505-MKS2B042201F00KF	\$ 0.65	\$ 3.25	Mouser	505-MKS22.2/50/5
8	C10, C17, C26, C29, C31, C34, C35, C38	Capacitor polymer 330uF 35V 10mm dia	Panasonic	35SEK330M	Mouser	667-35SEK330M	\$ 2.25	\$ 18.00	Digi-Key	P122629
4	C13, C14, C21, C22	Capacitor ceramic 1uF 50V X7R 0.1" LS	TDK	FG14X7R1H105KRT06	Mouser	810-FG14X7R1H105KRT6	\$ 0.55	\$ 2.20	Digi-Key	445-173135-3
2	C15, C16	Capacitor mica 20pF 0.12" LS	CDE	CDSEC200J03	Mouser	5982-5-300V20	\$ 2.11	\$ 4.22	Digi-Key	338-1075
2	C18, C19	Capacitor mica 2pF 0.12" LS	CDE	CDSCC02D03F	Mouser	5982-5-300V2F	\$ 3.19	\$ 6.38	Digi-Key	338-3061
4	C2, C4, C5, C20	Capacitor polymer 100uF 16V 5mm dia	Nichicon	RNE1C101MDS1	Mouser	647-RNE1C101MDS1	\$ 0.59	\$ 2.36	Digi-Key	493-3813-3
2	C3, C30	Capacitor elect 10uF 35V 2mm LS	Nichicon	UVR1V100MDD1TA	Mouser	647-UVR1V100MDD1TA	\$ 0.22	\$ 0.44	Digi-Key	493-3813-3
2	C27, C28	Capacitor film 330pF 50V 5mm LS	Wima	FKP2C003301D00KI00	Mouser	505-FKP2C003301D00KI	\$ 0.15	\$ 0.30	Digi-Key	UVR1V100MDD1TA
3	C23, C24, C25	Capacitor ceramic 100nF 50V X7R 0.1" LS	TDK	FG18X7R1H104KNT06	Mouser	810-FG18X7R1H104KNT6	\$ 0.25	\$ 0.75	Digi-Key	445-173265-1
4	C32, C33, C36, C39	Capacitor PP film 220nF 250V 10mm LS	Wima	MKP4F032203G00JSSD	Mouser	505-MKP4.22/250/5	\$ 1.01	\$ 4.04	Digi-Key	399-11458
1	C37	Capacitor PP film 470nF 250V 15mm LS	Wima	MKP4F034704D00JB00	Mouser	505-MKP4F034704D00JB	\$ 0.46	\$ 0.46	Digi-Key	399-5914
1	C7	Capacitor film 10uF 50V 5mm LS	Wima	MKS2B051001N00JSSD	Mouser	505-MKS2B051001N00JS	\$ 2.41	\$ 2.41	Mouser	505-MKS2B051001N00J00
1	C9	Capacitor film 3.3nF 50V 5mm LS	Wima	FKP2F013301G00JSSD	Mouser	505-FKP2F013301G00JS	\$ 0.16	\$ 0.16	Digi-Key	399-7716
2	D1, D2	LED Red T1 (3mm)	Würth	151033RS03000	Mouser	710-151033RS03000	\$ 0.17	\$ 0.34	Digi-Key	732-5013
1	D3	Diode P6KE30A 30V 500W TVS	On Semi	P6KE30A	Mouser	512-P6KE30A	\$ 0.44	\$ 0.44	Digi-Key	P6KE30AFSCT
2	FB1, FB2	Ferrite bead 3.5mm dia 7A	Fair-Rite	2743002111	Mouser	623-2743002111	\$ 0.22	\$ 0.44	Digi-Key	490-10997
2	JP1, JP2	Header 2 pin 0.100"	Würth	61300211121	Mouser	710-61300211121	\$ 0.12	\$ 0.24	Digi-Key	732-5315
2	L1, L2	Inductor 10uH 7.5A for class-D amp	ICE Components	1D14A-100M	Mouser	911-1D14A-100M	\$ 2.46	\$ 4.92		
4	Q1, Q2, Q3, Q4	JFET 2SK209-GR	Toshiba	2SK209-GR	pmillett.com		\$ -	\$ -		
1	R1	Resistor 47.5k 1/4W 1% MF	Yageo	MFR-25FBF52-47K5	Mouser	603-MFR-25FBF52-47K5	\$ 0.12	\$ 0.12	Digi-Key	47.5KXBK
1	R10	Resistor 33.2k 1/4W 1% MF	Yageo	MFR-25FBF52-33K2	Mouser	603-MFR-25FBF52-33K2	\$ 0.12	\$ 0.12	Digi-Key	33.2KXBK
1	R11	Resistor 1.00M 1/4W 5% MF	Yageo	MFR-25FBF52-1M	Mouser	603-MFR-25FBF52-1M	\$ 0.12	\$ 0.12	Digi-Key	1.00MXBK
2	R16, R17	Resistor 1.00k 1/4W 1% MF	Yageo	MFR-25FBF52-1K	Mouser	603-MFR-25FBF52-1K	\$ 0.12	\$ 0.24	Digi-Key	1.00KXBK
6	R18, R19, R20, R21, R30, R33	Resistor 10.0k 1/4W 1% MF	Yageo	MFR-25FBF52-10K	Mouser	603-MFR-25FBF52-10K	\$ 0.12	\$ 0.72	Digi-Key	10.0KXBK
2	R22, R23	Resistor 100 ohm 1/4W 1% MF	Yageo	MFR-25FBF52-100R	Mouser	603-MFR-25FBF52-100R	\$ 0.12	\$ 0.24	Digi-Key	100XBK
2	R24, R25	Resistor 75.0k 1/4W 1% MF	Yageo	MFR-25FBF52-75K	Mouser	603-MFR-25FBF52-75K	\$ 0.11	\$ 0.22	Digi-Key	75.0KXBK
2	R26, R27	Resistor 10.0 ohm 1/4W 1% MF	Yageo	MFR-25FBF52-10R	Mouser	603-MFR-25FBF52-10R	\$ 0.12	\$ 0.24	Digi-Key	10.0XBK
2	R28, R29	Resistor 221k 1/4W 1% MF	Yageo	MFR-25FBF52-221K	Mouser	603-MFR-25FBF52-221K	\$ 0.12	\$ 0.24	Digi-Key	221KXBK
2	R2, R12	Resistor 475k 1/4W 1% MF	Yageo	MFR-25FBF52-475K	Mouser	603-MFR-25FBF52-475K	\$ 0.12	\$ 0.24	Digi-Key	475KXBK
1	R32	Resistor 82.5k 1/4W 1% MF	Yageo	MFR-25FBF52-82K5	Mouser	603-MFR-25FBF52-82K5	\$ 0.12	\$ 0.12	Digi-Key	82.5KXBK
3	R3, R4, R5	Resistor 100k 1/4W 1% MF	Yageo	MFR-25FBF52-100K	Mouser	603-MFR-25FBF52-100K	\$ 0.12	\$ 0.36	Digi-Key	100KXBK
2	R6, R7	Resistor 150 ohm 1/4W 1% MF	Yageo	MFR-25FBF52-150R	Mouser	603-MFR-25FBF52-150R	\$ 0.12	\$ 0.24	Digi-Key	150XBK
5	R8, R9, R13, R14, R15	Resistor 4.75k 1/4W 1% MF	Yageo	MFR-25FBF52-4K75	Mouser	603-MFR-25FBF52-4K75	\$ 0.12	\$ 0.60	Digi-Key	4.75KXBK
1	R31	Resistor 392k 1/4W 1% MF	Yageo	MFR-25FBF52-392K	Mouser	603-MFR-25FBF52-392K	\$ 0.12	\$ 0.12	Digi-Key	4.75KXBK
1	RV1	Trimpot 1k 1/4"	BI	64WR1KLF	Mouser	858-64WR1KLF	\$ 1.62	\$ 1.62	Digi-Key	987-1062
1	RV2	Trimpot 1M 1/4"	BI	64WR1MEGLF	Mouser	858-64WR1MEGLF	\$ 1.62	\$ 1.62	Digi-Key	987-1583-ND
2	TP1, TP2	Test point	Keystone	5002	Mouser	534-5002	\$ 0.33	\$ 0.66	Digi-Key	36-5002
3	TS1, TS2, TS3	Terminal block 2P 5mm	Phoenix Contact	1729128	Mouser	651-1729128	\$ 1.05	\$ 3.15	Digi-Key	277-1247
1	U4	IC Reset TL7700 DIP8	TI	TL7700CP	Mouser	595-TL7700CP	\$ 3.41	\$ 3.41	Digi-Key	296-26724-5
1	U2	IC Voltage Reg 3.3V TO220 78M33	TI	UA78M33CKCS	Mouser	595-UA78M33CKCS	\$ 0.71	\$ 0.71	Digi-Key	296-21633-5
1	U3	IC Class D MP7770 TSSOP28	Monolithic Power	MP7770FG	pmillett.com		\$ -	\$ -		
1	U1	IC Voltage Reg 15V TO220 7815	TI	UA7815CKCT	Mouser	595-UA7815CKCT	\$ 0.52	\$ 0.52	Digi-Key	296-34923-5
1	VT1	Tube Korg 6P1 Nutube	Korg	Nutube 6P1	pmillett.com		\$ -	\$ -		
1		PCB (includes Nutube, 2SK209, and MP7770)	pmillett.com	NuClassD	pmillett.com		\$ 60.00	\$ 60.00		

Total \$ 126.98