

## MOUSER PARTS SPREADSHEET

This spreadsheet has been designed to simplify parts sourcing. Please see the instructions page for information on how to easily import parts into Mouser:

<https://aionfx.com/resources/using-mouser-bom-tool-for-easy-parts-sourcing/>

The parts for this project are split between two tabs:

The **Parts List (Mouser)** tab lists all parts that are available from Mouser, which is typically at least 90% of the components needed for the project.

The **Parts List (Non-Mouser)** tab lists all of the remaining parts that need to be sourced from elsewhere, along with links to each. This always includes potentiometers and switches, but may also include other specialized parts such as NOS transistors or optocouplers.

If you want to edit this spreadsheet, you can do so by selecting **File** → **Download** to download as an .xlsx Excel file, which can then either be edited locally or uploaded to your own Google Docs account. **Please do not request access to this sheet** as we are unable to share it directly.

Category	Part	Value	Description	Mouser Part #	Marking	Notes
Caps - Film	C1	150n	Film capacitor, 7.2 x 2.5mm	505-MKS2C031501A00JS	154 or 0.15	
Caps - MLCC	C2	22pF	MLCC capacitor, NP0/C0G	810-FG28C0G1H220JNT6	220	
Caps - Electrolytic	C3	10uF	Electrolytic capacitor, 5mm	647-UFW1H100MDD1TD	10uF	
Caps - Film	C4	10n	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ5100JR05	103 or 0.01	
Caps - Film	C5	1n2	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ4120JR05	122 or 0.0012	
Caps - Film	C6	220n	Film capacitor, 7.2 x 2.5mm	505-MKS2C032201B00KS	224 or 0.22	
Caps - MLCC	C7	22pF	MLCC capacitor, NP0/C0G	810-FG28C0G1H220JNT6	220	
Caps - Film	C8	47n	Film capacitor, 7.2 x 2.5mm	505-MKS2D024701A00JF	473 or 0.047	
Caps - Film	C9	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C10	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C11	68n	Film capacitor, 7.2 x 2.5mm	505-MKS2.068/63/10	683 or 0.068	
Caps - Electrolytic	C12	4.7uF	Electrolytic capacitor, 4mm	647-UKW1H4R7MDD	4.7uF	
Caps - Film	C13	68n	Film capacitor, 7.2 x 2.5mm	505-MKS2.068/63/10	683 or 0.068	
Caps - Film	C14	68n	Film capacitor, 7.2 x 2.5mm	505-MKS2.068/63/10	683 or 0.068	
Caps - Film	C15	2n2	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ4220JR05	222 or 0.0022	
Caps - Film	C16	15n	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ5150JR05	153 or 0.015	
Caps - Film	C17	15n	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ5150JR05	153 or 0.015	
Caps - Film	C18	10n	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ5100JR05	103 or 0.01	
Caps - Film	C19	10n	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ5100JR05	103 or 0.01	
Caps - Film	C20	8n2	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ4820JR05	822 or 0.0082	
Caps - Film	C21	8n2	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ4820JR05	822 or 0.0082	
Caps - Film	C22	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C23	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C24	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C25	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C26	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C27	4n7	Film capacitor, 7.2 x 2.5mm	80-PHE426HJ4470JR05	472 or 0.0047	
Caps - Film	C28	2.2uF	Film capacitor, 7.2 x 5mm	505-MKS22.2/50/10	225 or 2.2uF	
Caps - Film	C29	10n	Film capacitor, 7.2 x 2.5mm	80-PHE426DJ5100JR05	103 or 0.01	
Caps - MLCC	C30	220pF	MLCC capacitor, NP0/C0G	810-FG28C0G2E221JNT6	221	
Caps - Film	C31	330n	Film capacitor, 7.2 x 2.5mm	505-MKS2B033301A00JF	334 or 0.33	
Caps - Film	C32	68n	Film capacitor, 7.2 x 2.5mm	505-MKS2.068/63/10	683 or 0.068	
Caps - Film	C33	2.2uF	Film capacitor, 7.2 x 5mm	505-MKS22.2/50/10	225 or 2.2uF	
Caps - MLCC	C34	100pF	MLCC capacitor, NP0/C0G	810-FG28C0G1H101JNT6	101	
Caps - Electrolytic	C35	10uF	Electrolytic capacitor, 5mm	647-UFW1H100MDD1TD	10uF	
Caps - MLCC	C36	100n	MLCC capacitor, X7R	594-K104K15X7RF53H5	104 or 0.1	Power supply filter capacitor.
Caps - MLCC	C37	100n	MLCC capacitor, X7R	594-K104K15X7RF53H5	104 or 0.1	Power supply filter capacitor.
Caps - MLCC	C38	100n	MLCC capacitor, X7R	594-K104K15X7RF53H5	104 or 0.1	Power supply filter capacitor.
Caps - MLCC	C39	100n	MLCC capacitor, X7R	594-K104K15X7RF53H5	104 or 0.1	Power supply filter capacitor.
Caps - MLCC	C40	100n	MLCC capacitor, X7R	594-K104K15X7RF53H5	104 or 0.1	Power supply filter capacitor.
Caps - MLCC	C41	100n	MLCC capacitor, X7R	594-K104K15X7RF53H5	104 or 0.1	Power supply filter capacitor.
Caps - Electrolytic	C42	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - Electrolytic	C43	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - Electrolytic	C44	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - Electrolytic	C45	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - Electrolytic	C46	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - Electrolytic	C47	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - Electrolytic	C48	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - Electrolytic	C49	22uF	Electrolytic capacitor, 5mm	647-UVR1V220MDD1FA	22uF	Power supply filter capacitor.
Caps - MLCC	C50	100n	MLCC capacitor, X7R	594-K104K15X7RF53H5	104 or 0.1	Power supply filter capacitor.
Caps - Electrolytic	C51	100uF	Electrolytic capacitor, 6.3mm	232-25ZLG100MEFC63X1	100uF	Power supply filter capacitor.
Caps - Electrolytic	C52	47uF	Electrolytic capacitor, 5mm	232-25YXM47MEFR5X11	47uF	Power supply filter capacitor.
Resistors	R1	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R2	220k	Metal film resistor, 1/4W	603-MFR-25FBF52-220K	Red-Red-Blk-Org-Brn	
Resistors	R3	47k	Metal film resistor, 1/4W	603-MFR-25FRF52-47K	Yel-Vio-Blk-Red-Brn	
Resistors	R4	2k2	Metal film resistor, 1/4W	603-MFR-25FBF52-2K2	Red-Red-Blk-Brn-Brn	
Resistors	R5	1k	Metal film resistor, 1/4W	603-MFR-25FRE52-1K	Brn-Blk-Blk-Brn-Brn	
Resistors	R6	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R7	5k1	Metal film resistor, 1/4W	603-MFR-25FBF52-5K1	Grn-Brn-Blk-Brn-Brn	
Resistors	R8	220k	Metal film resistor, 1/4W	603-MFR-25FBF52-220K	Red-Red-Blk-Org-Brn	
Resistors	R9	47k	Metal film resistor, 1/4W	603-MFR-25FRF52-47K	Yel-Vio-Blk-Red-Brn	18k in the original amp, but 47k provides more available volume and better channel matching.
Resistors	R10	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R11	2k7	Metal film resistor, 1/4W	603-MFR-25FBF52-2K7	Red-Vio-Blk-Brn-Brn	
Resistors	R12	1k	Metal film resistor, 1/4W	603-MFR-25FRE52-1K	Brn-Blk-Blk-Brn-Brn	
Resistors	R13	6k8	Metal film resistor, 1/4W	603-MFR-25FTE52-6K8	Blu-Gry-Blk-Brn-Brn	
Resistors	R14	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R15	1k5	Metal film resistor, 1/4W	603-MFR-25FRF52-1K5	Brn-Grn-Blk-Brn-Brn	
Resistors	R16	27k	Metal film resistor, 1/4W	603-MFR-25FRF52-27K	Red-Vio-Blk-Red-Brn	
Resistors	R17	27k	Metal film resistor, 1/4W	603-MFR-25FRF52-27K	Red-Vio-Blk-Red-Brn	
Resistors	R18	18k	Metal film resistor, 1/4W	603-MFR-25FBF52-18K	Brn-Gry-Blk-Red-Brn	
Resistors	R19	18k	Metal film resistor, 1/4W	603-MFR-25FBF52-18K	Brn-Gry-Blk-Red-Brn	
Resistors	R20	18k	Metal film resistor, 1/4W	603-MFR-25FBF52-18K	Brn-Gry-Blk-Red-Brn	
Resistors	R21	18k	Metal film resistor, 1/4W	603-MFR-25FBF52-18K	Brn-Gry-Blk-Red-Brn	
Resistors	R22	18k	Metal film resistor, 1/4W	603-MFR-25FBF52-18K	Brn-Gry-Blk-Red-Brn	
Resistors	R23	1k5	Metal film resistor, 1/4W	603-MFR-25FRF52-1K5	Brn-Grn-Blk-Brn-Brn	
Resistors	R24	1k5	Metal film resistor, 1/4W	603-MFR-25FRF52-1K5	Brn-Grn-Blk-Brn-Brn	
Resistors	R25	2k2	Metal film resistor, 1/4W	603-MFR-25FBF52-2K2	Red-Red-Blk-Brn-Brn	
Resistors	R26	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R27	2k2	Metal film resistor, 1/4W	603-MFR-25FBF52-2K2	Red-Red-Blk-Brn-Brn	

Category	Part	Value	Description	Mouser Part #	Marking	Notes
Resistors	R28	100k	Metal film resistor, 1/4W	603-MFR-25FBF52-100K	Brn-Blk-Blk-Org-Brn	
Resistors	R29	2k2	Metal film resistor, 1/4W	603-MFR-25FBF52-2K2	Red-Red-Blk-Brn-Brn	
Resistors	R30	24k	Metal film resistor, 1/4W	603-MFR-25FBF52-24K	Red-Yel-Blk-Red-Brn	
Resistors	R31	39k	Metal film resistor, 1/4W	603-MFR-25FBF52-39K	Org-Wht-Blk-Red-Brn	
Resistors	R32	270k	Metal film resistor, 1/4W	603-MFR-25FBF52-270K	Red-Vio-Blk-Org-Brn	
Resistors	R33	390R	Metal film resistor, 1/4W	603-MFR-25FRF52-390R	Org-Wht-Blk-Blk-Brn	
Resistors	R34	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R35	300k	Metal film resistor, 1/4W	603-MFR-25FBF52-300K	Org-Blk-Blk-Org-Brn	
Resistors	R36	430R	Metal film resistor, 1/4W	603-MFR-25FRF52-430R	Yel-Org-Blk-Blk-Brn	
Resistors	R37	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R38	240k	Metal film resistor, 1/4W	603-MFR-25FTE52-240K	Red-Yel-Blk-Org-Brn	
Resistors	R39	390R	Metal film resistor, 1/4W	603-MFR-25FRF52-390R	Org-Wht-Blk-Blk-Brn	
Resistors	R40	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R41	300k	Metal film resistor, 1/4W	603-MFR-25FBF52-300K	Org-Blk-Blk-Org-Brn	
Resistors	R42	560R	Metal film resistor, 1/4W	660-MF1/4DCT52R5600F	Gm-Blu-Blk-Blk-Brn	
Resistors	R43	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R44	220k	Metal film resistor, 1/4W	603-MFR-25FBF52-220K	Red-Red-Blk-Org-Brn	
Resistors	R45	390R	Metal film resistor, 1/4W	603-MFR-25FRF52-390R	Org-Wht-Blk-Blk-Brn	
Resistors	R46	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R47	150k	Metal film resistor, 1/4W	603-MFR-25FTF52-150K	Brn-Gm-Blk-Org-Brn	
Resistors	R48	300R	Metal film resistor, 1/4W	603-MFR-25FBF52-300R	Org-Blk-Blk-Blk-Brn	
Resistors	R49	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R50	18k	Metal film resistor, 1/4W	603-MFR-25FBF52-18K	Brn-Gry-Blk-Red-Brn	
Resistors	R51	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R52	15k	Metal film resistor, 1/4W	660-MF1/4CCT52R1502F	Brn-Gm-Blk-Red-Brn	
Resistors	R53	1k	Metal film resistor, 1/4W	603-MFR-25FRE52-1K	Brn-Blk-Blk-Brn-Brn	
Resistors	R54	6k8	Metal film resistor, 1/4W	603-MFR-25FTE52-6K8	Blu-Gry-Blk-Brn-Brn	
Resistors	R55	33k	Metal film resistor, 1/4W	603-MFR-25FTE52-33K	Org-Org-Blk-Red-Brn	
Resistors	R56	220R	Metal film resistor, 1/4W	603-MFR-25FBF52-220R	Red-Red-Blk-Blk-Brn	
Resistors	R57	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R58	470k	Metal film resistor, 1/4W	603-MFR-25FBF52-470K	Yel-Vio-Blk-Org-Brn	
Resistors	R59	2k	Metal film resistor, 1/4W	603-MFR-25FTE52-2K	Red-Blk-Blk-Brn-Brn	
Resistors	R60	47k	Metal film resistor, 1/4W	603-MFR-25FRF52-47K	Yel-Vio-Blk-Red-Brn	
Resistors	R61	3k3	Metal film resistor, 1/4W	603-MFR-25FBF52-3K3	Org-Org-Blk-Brn-Brn	
Resistors	R62	330R	Metal film resistor, 1/4W	603-MFR-25FBF52-330R	Org-Org-Blk-Blk-Brn	
Resistors	R63	100k	Metal film resistor, 1/4W	603-MFR-25FBF52-100K	Brn-Blk-Blk-Org-Brn	
Resistors	R64	6k8	Metal film resistor, 1/4W	603-MFR-25FTE52-6K8	Blu-Gry-Blk-Brn-Brn	
Resistors	R65	15k	Metal film resistor, 1/4W	660-MF1/4CCT52R1502F	Brn-Gm-Blk-Red-Brn	
Resistors	R66	220R	Metal film resistor, 1/4W	603-MFR-25FBF52-220R	Red-Red-Blk-Blk-Brn	
Resistors	R67	220R	Metal film resistor, 1/4W	603-MFR-25FBF52-220R	Red-Red-Blk-Blk-Brn	
Resistors	R68	820R	Metal film resistor, 1/4W	603-MFR-25FBF52-820R	Gry-Red-Blk-Blk-Brn	
Resistors	R69	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R70	3k3	Metal film resistor, 1/4W	603-MFR-25FBF52-3K3	Org-Org-Blk-Brn-Brn	
Resistors	R71	33k	Metal film resistor, 1/4W	603-MFR-25FTE52-33K	Org-Org-Blk-Red-Brn	
Resistors	R72	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R73	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R74	47k	Metal film resistor, 1/4W	603-MFR-25FRF52-47K	Yel-Vio-Blk-Red-Brn	
Resistors	R75	47k	Metal film resistor, 1/4W	603-MFR-25FRF52-47K	Yel-Vio-Blk-Red-Brn	
Resistors	R76	100k	Metal film resistor, 1/4W	603-MFR-25FBF52-100K	Brn-Blk-Blk-Org-Brn	
Resistors	R77	100k	Metal film resistor, 1/4W	603-MFR-25FBF52-100K	Brn-Blk-Blk-Org-Brn	
Resistors	R78	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	R79	22k	Metal film resistor, 1/4W	603-MFR-25FRF52-22K	Red-Red-Blk-Red-Brn	
Resistors	R80	10M	Metal film resistor, 1/4W	603-CFR-25JT-52-10M	Brn-Blk-Blu-Brn	
Resistors	R81	2k7	Metal film resistor, 1/4W	603-MFR-25FBF52-2K7	Red-Vio-Blk-Brn-Brn	
Resistors	RPD	2M2	Metal film resistor, 1/4W	603-MFR-25FBF52-2M2	Red-Red-Blk-Yel-Brn	
Resistors	LEDC	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	LEDD	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Resistors	LEDR	10k	Metal film resistor, 1/4W	603-MFR-25FBF52-10K	Brn-Blk-Blk-Red-Brn	
Semiconductors	D1	1N5817	Schottky diode, DO-41	511-1N5817		
Semiconductors	D2	1N4004	Rectifier diode, DO-41	621-1N4004		
Semiconductors	D3	1N4004	Rectifier diode, DO-41	621-1N4004		
Semiconductors	D4	1N914	Fast-switching diode, DO-35	512-1N914		
Semiconductors	D5	1N914	Fast-switching diode, DO-35	512-1N914		
Semiconductors	Z1	1N4742A	Zener diode, 12V, DO-41	512-1N4742A		
Semiconductors	Q1	2N3904	BJT transistor, NPN, TO-92	610-2N3904		
Semiconductors	Q2	2N3904	BJT transistor, NPN, TO-92	610-2N3904		
Semiconductors	Q3	2N5457	JFET, N-channel, TO-92	610-2N5457		Original uses PN4303, but 2N5457 is very close in specs and will perform the same.
Semiconductors	Q4	2N3906	BJT transistor, PNP, TO-92	512-2N3906TAR		
Semiconductors	Q5	MPSA13	Darlington BJT transistor, NPN, TO-92	610-MPSA13		
Semiconductors	IC1	LF356N	Operational amplifier, DIP8	926-LF356N/NOPB		
Hardware	IC1-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC2	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC2-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC3	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC3-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC4	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC4-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC5	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC5-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		

Category	Part	Value	Description	Mouser Part #	Marking	Notes
Semiconductors	IC6	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC6-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC7	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC7-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC8	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC8-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC9	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC9-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Semiconductors	IC10	LM13700N	Transconductance amplifier, dual, DIP16	926-LM13700N/NOPB		Can also use NE5517N.
Hardware	IC10-S	DIP-16 socket	IC socket, DIP-16	437-1108331641001101		
Semiconductors	IC11	RC4558P	Operational amplifier, dual, DIP8	595-RC4558P		
Hardware	IC11-S	DIP-8 socket	IC socket, DIP-8	575-1104730841001000		
Other	COMP_TRIM	20k trimmer	Trimmer, 10%, 1/4"	652-3362P-1-203LF	203	
Other	DIST_TRIM	20k trimmer	Trimmer, 10%, 1/4"	652-3362P-1-203LF	203	
Other	DC1	TEC 3-0923	DC-DC converter, +9V to +/-15V	495-TEC3-0923		See build notes for other DC converter options.
Other	L1	10uH	Inductor, 10uH	542-78F100-RC		
Other	L2	10uH	Inductor, 10uH	542-78F100-RC		
Other	L3	10uH	Inductor, 10uH	542-78F100-RC		
Hardware	DC JACK	2.1mm	DC jack, 2.1mm panel mount	163-4302-E		
Hardware	IN	1/4" mono	1/4" phone jack, mono	502-111X		
Hardware	OUT	1/4" mono	1/4" phone jack, mono	502-111X		
Semiconductors	BYP_LED	5mm	LED, 5mm, red diffused	604-WP7113SRDJ4		
Semiconductors	CH1_LED	5mm green	LED, 5mm, green diffused	604-WP7113GD		
Semiconductors	CH2_LED	5mm	LED, 5mm, red diffused	604-WP7113SRDJ4		
Semiconductors	LIMIT_LED	3mm	LED, 3mm, red diffused	604-WP3A8ID		
Enclosures	ENCLOSURE	1590XX	Enclosure, die-cast aluminum (1790NS equivalent), black powdercoat. Use 546-1590XX for bare aluminum.	546-1590XXBK		

Part	Value	Description	Notes	Link URL (non-Mouser)
BASS_1	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
MID_1	5k $\Omega$	16mm right-angle PCB mount pot	Original amp uses 2.5k $\Omega$ . See build notes.	<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
TREBLE_1	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
VOLUME_1	10k $\Omega$	16mm right-angle PCB mount pot	Original amp uses 2.5k $\Omega$ . See build notes.	<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
BASS_2	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
MID_2	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
FREQUENCY	100k $\Omega$ dual	16mm dual pot, right angle		<a href="https://aionfx.com/link/alpha-dual-pot/">https://aionfx.com/link/alpha-dual-pot/</a>
TREBLE_2	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
VOLUME_2	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
MULTIFILTER	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
MASTER	25k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
LIMIT	50k $\Omega$	16mm right-angle PCB mount pot		<a href="https://aionfx.com/link/alpha-16mm-right-angle/">https://aionfx.com/link/alpha-16mm-right-angle/</a>
BRIGHT 1	SPDT	Toggle switch, SPDT on-on		<a href="https://aionfx.com/link/spdt/">https://aionfx.com/link/spdt/</a>
BRIGHT 2	SPDT	Toggle switch, SPDT on-on		<a href="https://aionfx.com/link/spdt/">https://aionfx.com/link/spdt/</a>
MF CHANNEL	SPDT	Toggle switch, SPDT on-on		<a href="https://aionfx.com/link/spdt/">https://aionfx.com/link/spdt/</a>
COMP	SPDT	Toggle switch, SPDT on-on		<a href="https://aionfx.com/link/spdt/">https://aionfx.com/link/spdt/</a>
DUST COVER	16mm	Dust cover for Alpha 16mm pots	Not required, but recommended so the pots don't short against the back of the PCB.	<a href="https://aionfx.com/link/16mm-dust-covers/">https://aionfx.com/link/16mm-dust-covers/</a>
BYPASS	3PDT	3PDT stomp switch		<a href="https://aionfx.com/component/3pdt-stomp-switch/">https://aionfx.com/component/3pdt-stomp-switch/</a>
CHANNEL	3PDT	3PDT stomp switch		<a href="https://aionfx.com/component/3pdt-stomp-switch/">https://aionfx.com/component/3pdt-stomp-switch/</a>