

Aleph J Amp Board

Part	Description	Value	Rating	Vendor	Mouser Part Number	QTY
Q1A	P-Channel JFET Input	2SJ74		Toshiba	fetaudio.com	2
Q1B	P-Channel JFET Input	2SJ74		Toshiba	fetaudio.com	2
Q2	PNP Transistor	ZTX550		Zetex	522-ZTX550	2
Q3	NPN Transistor	ZTX450		Zetex	522-ZTX450	2
Q4	NPN Transistor	ZTX450		Zetex	522-ZTX450	2
Q5	N-Channel MOSFET Output	IRFP240		Vishay	844-IRFP240PBF	2
Q6	N-Channel MOSFET Output	IRFP240		Vishay	844-IRFP240PBF	2
Q7	N-Channel MOSFET Output	IRFP240		Vishay	844-IRFP240PBF	2
Q8	N-Channel MOSFET Output	IRFP240		Vishay	844-IRFP240PBF	2
LED1	Light Emitting Diode	3mm or 5mm	Blue	Cree	941-C566CBFNCS0W0352	2

R1	Resistor	22.1K	1/4 Watt	Vishay	71-CMF5522K100FKEK	2
R2	Resistor	221K	1/4 Watt	Vishay	71-CMF55221K00FHEK	2
R3	Resistor	22.1K	1/4 Watt	Vishay	71-CMF5522K100FKEK	2
R4	Resistor	221k	1/4 Watt	Vishay	71-CMF55221K00FHEK	2
R5	Resistor	4.75K	1/4 Watt	Vishay	71-CMF554K7500FHEB	2
R6	Resistor	68K	1/4 Watt	Vishay	71-RN60D6802F	2
R7	Resistor	1K	1/4 Watt	Vishay	71-CMF551K0000FKEB	2
R8	Resistor	1K	1/4 Watt	Vishay	71-CMF551K0000FKEB	2
R9	Resistor	221	1/4 Watt	Vishay	71-CMF55221R00FKEB	2
R10	Resistor	221	1/4 Watt	Vishay	71-CMF55221R00FKEB	2
R11	Resistor	221	1/4 Watt	Vishay	71-CMF55221R00FKEB	2
R12	Resistor	221	1/4 Watt	Vishay	71-CMF55221R00FKEB	2
R13	Resistor	221	1/4 Watt	Vishay	71-CMF55221R00FKEB	2
R14	Resistor	392	1/4 Watt	Vishay	71-CMF55221R00FKEB	2
R15	Resistor	1K	1/4 Watt	Vishay	71-CMF551K0000FKEB	2
R16	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R17	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R18	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R19	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R20	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R21	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R22	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R23	Power Resistor	0.47	3 Watt	Vishay	71-CPF3.475%T00	2
R24	Resistor	1.2K	1/4 Watt	Vishay	71-CMF551K2000FKR6	2
R25	Resistor	1.5K	1/4 Watt	Vishay	71-CMF551K5000FHEK	2

R26	Resistor	3.32K	1/4 Watt	Vishay	71-CMF553K3200FKEB	2
R27	Resistor	68.2K (68k)	1/4 Watt	Vishay	71-RN60D6802F	2
C1	Cap	1uF	35 v	Nichicon	647-UPX1V010MPD	2
C2	Cap	220uF	35 V	Nichicon	647-LKS1V222MESZ	2
C3	Cap	220uF	35 V	Nichicon	647-LKS1V222MESZ	2
C4	Cap	10uF	35 V	Nichicon	647-UKT1V100MDD	2
C5	Cap	5pF	300 v	Cornell Dubilier	598-CD5CC050DO3	2
Z1	Zener Diode	9.1 V	1.3 Watt	Vishay	78-BZX85B9V1	2