

ID	Qty	Parts	MFG	MFG-PN	Value	Package	Description
1	19	C1, C2, C3, C4, C5, C6, C7, C9, C10, C18, C19, C20, C22, C23, C24, C25, C40, C48, C49	Kemet	C0402C104K3RACTU	.1uF	CAPC1005X60N	Ceramic Capacitor, X7R, 0402 Package
2	2	C26, C37	Yageo	CC0805KKX7R7BB105	1.0uF	CAPC2013X140N	Ceramic Capacitor, X7R, 0805 Package
3	2	C38, C39	Murata	GRM155R71H272KA01J	2700pF	CAPC1005X60N	Ceramic Capacitor, X7R, 0402 Package
4	8	C8, C11, C21, C27, C28, C35, C36, C47	Yageo	CC0805MKX5R5BB475	4.7uF	CAPC2013X140N	Ceramic Capacitor, X5R-6.3V-20%, 0805 Package
5	3	IC1, IC2, IC3	Diodes Inc.	74LVC1G17SE-7	74LVC1G17DCK	SC70-5	Single Schmitt-Trigger Buffer
6	1	JX1	Molex	22-28-4082	POWER 1x8	1X08-TH	PIN HEADER
7	1	JX2	Molex	22-28-4062	ANALOG 1x6	1X06	PIN HEADER
8	1	JX3	Molex	22-28-4102	DIGITAL-H 1x10	1X10-TH	PIN HEADER
9	1	JX4	Molex	22-28-4082	DIGITAL-L 1x8	1X08	PIN HEADER
10	15	LED0, LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14	OSRAM	LRTBR48G-P9Q7-1+R7S5-2	LED-LRTB-R48G	LED-LRTB-R48G	SMT RGB LED
11	13	MK1, MK2, MK3, MK4, MK5, MK6, MK7, MK8, MK9, MK10, MK11, MK12, MK13	ST Micro	MP34DB02TR	MP34DB02.	MP34DB02	MIC MEMS DIGITAL PDM OMNI 4RHLGA
12	3	Q1, Q2, Q3				SOT23	P-MOSFET
13	2	R1, R2	Panasonic	ERJ-3GEYJ561V	560	R0603	RESISTOR, American symbol
14	1	R10	Panasonic	ERJ-6GEYJ221V	220	R0805	RESISTOR, American symbol
15	5	R3, R5, R7, R16, R17	Yageo	RC0805JR-0710KL	10K	R0805	RESISTOR, 5%
16	3	R4, R6, R8	Panasonic	ERJ-6ENF1500V	150	R0805	RESISTOR, American symbol
17	1	R9	Susumu	RR1220P-4021-D-M	4.02K	R0805	RESISTOR, American symbol
18	1	U2	Cirrus Logic	WM8524CGEDT	WM8524	SSOP16	24-bit 192kHz stereo DAC with 2Vrms ground referenced line output. LJ, RJ, and I2S interface.
19	1	U3				SOP63P600X173-24N	LED sink driver
20	1	X1	Cui	SJ1-3523N	SJ1-3523N	AUDIO_JACK_3.5MM_3PIN	
	84	Total components					
	20	Total unique components					
		DO NOT STUFF:					
19	10	TP3V3, TP5V, TPGND, TPMCLK0, TPMCLK1, TPMCLK2, TPMCLK3, TPSCLK, TPSDIN, TPSROE			TPB1,27	B1,27	Test pad
	1	JP1				1X02	PIN HEADER
	1	R11				0204/7	RESISTOR, European symbol