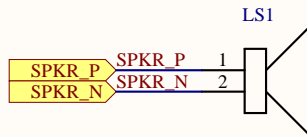
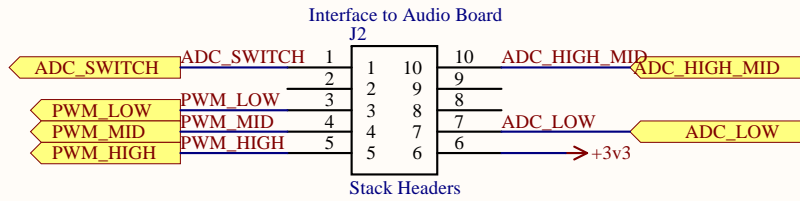
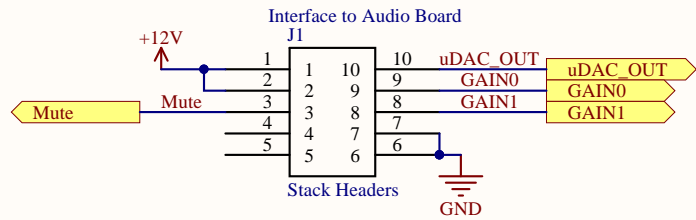
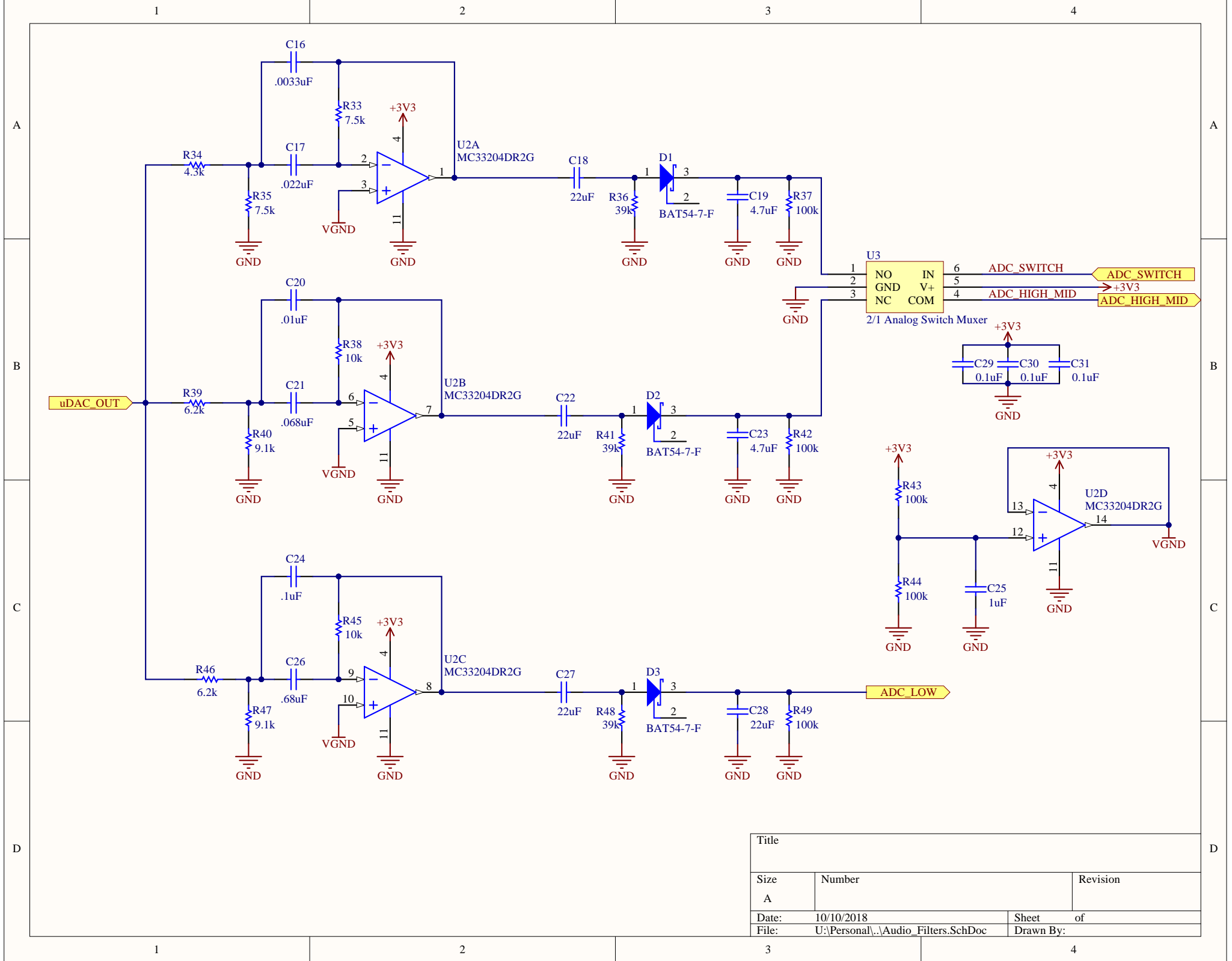


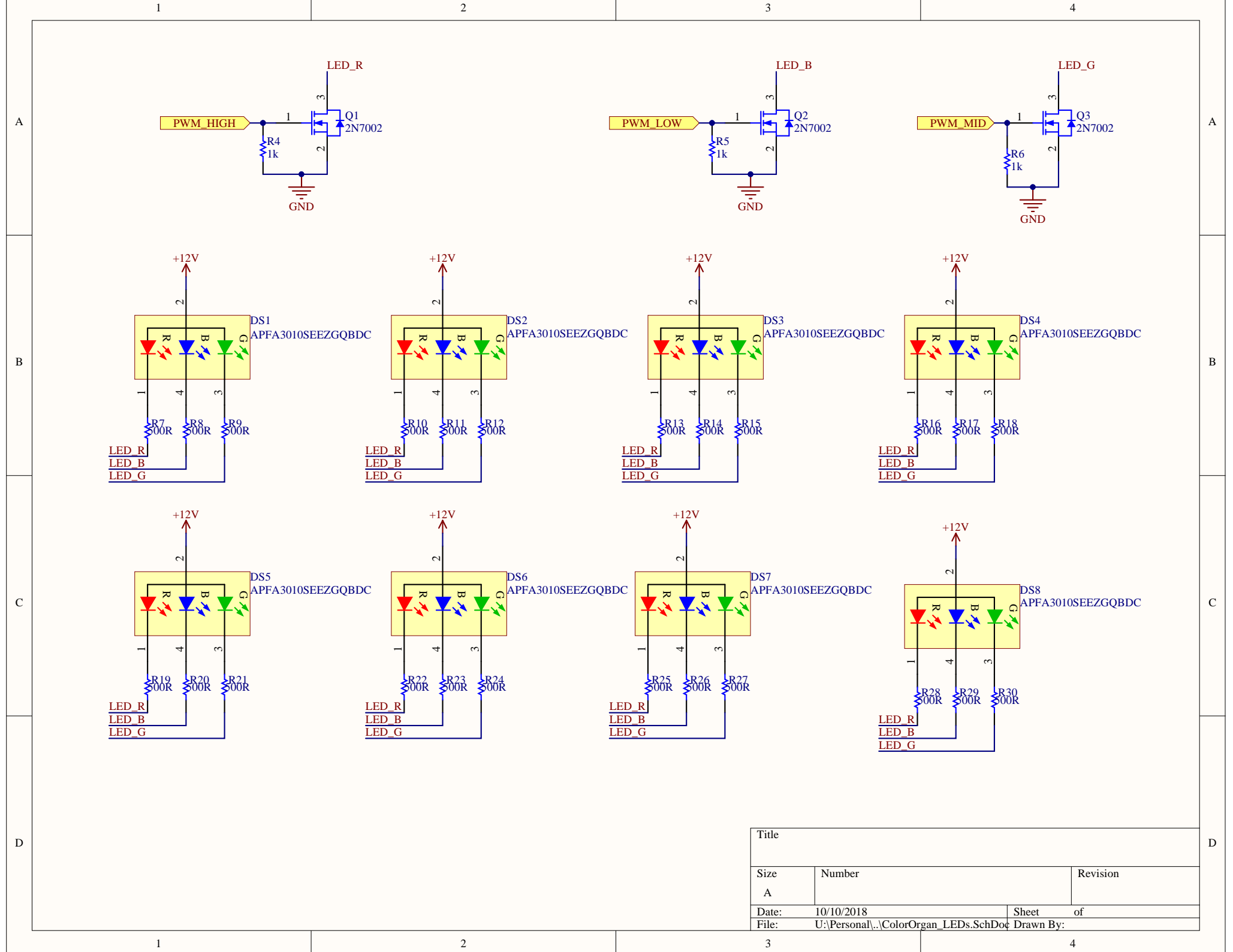
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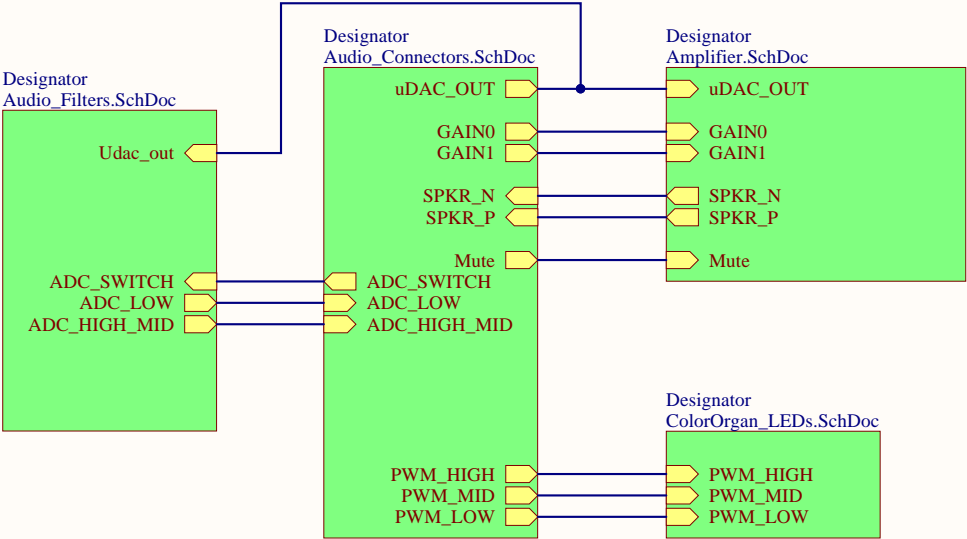
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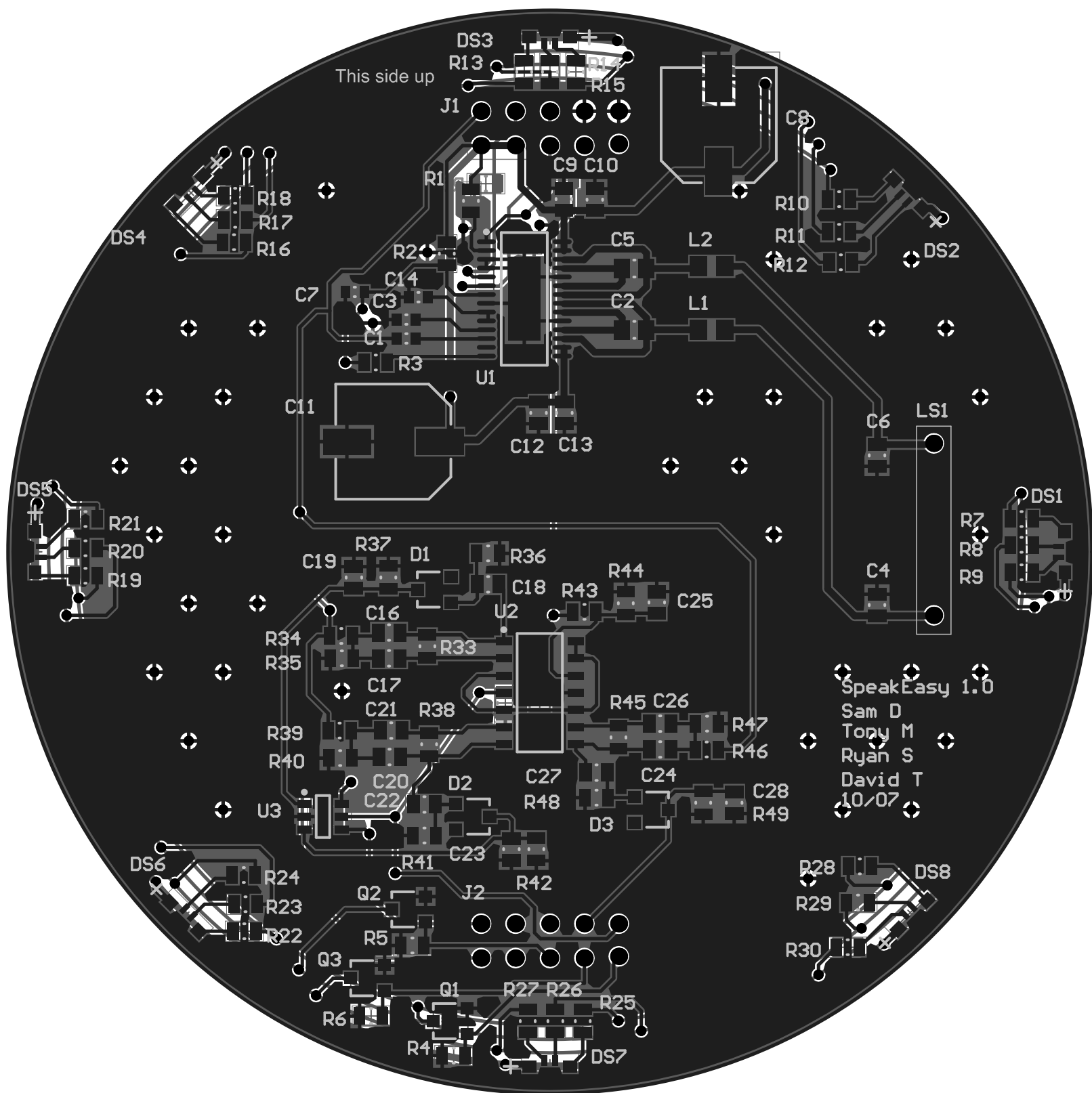
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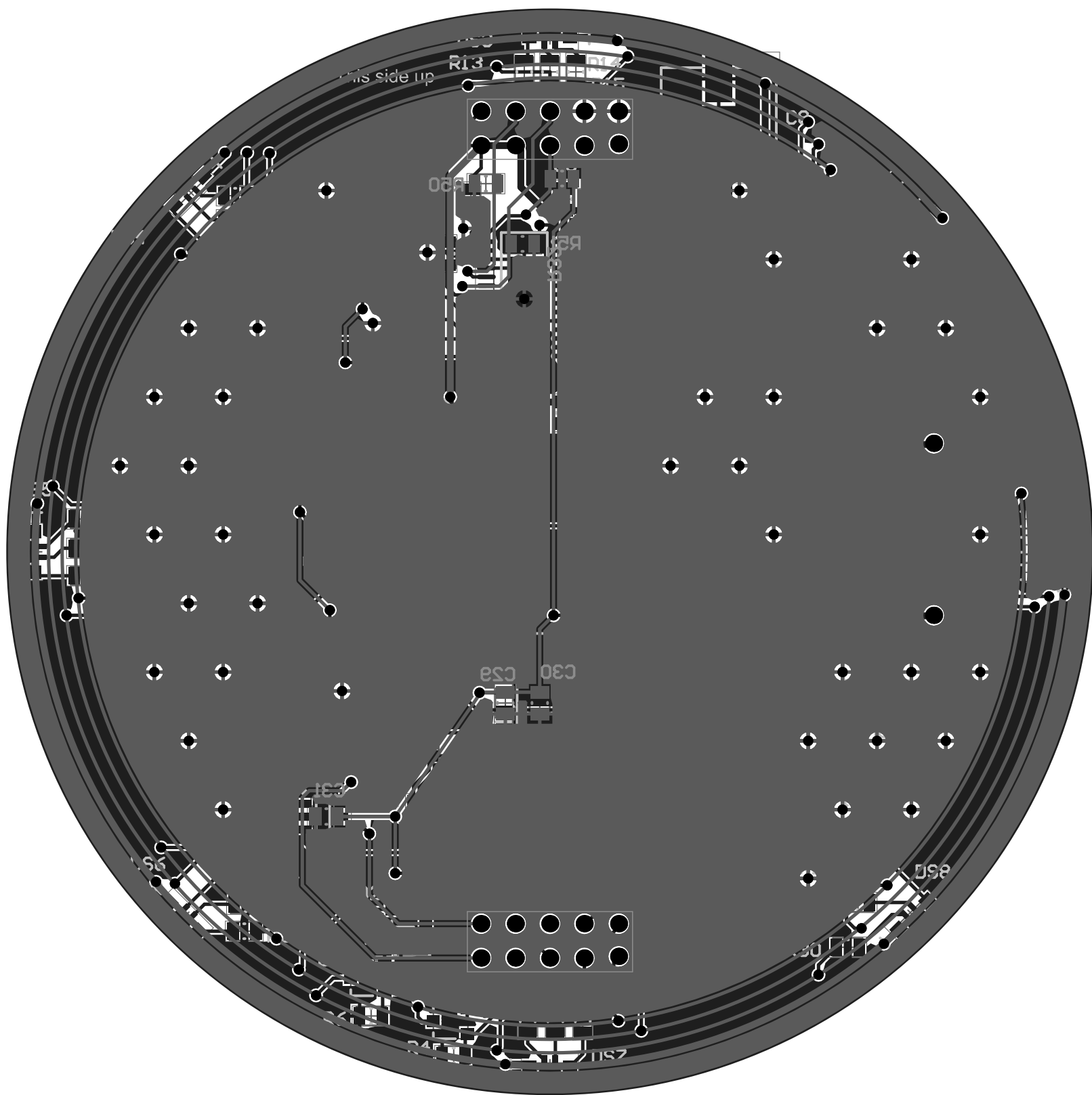


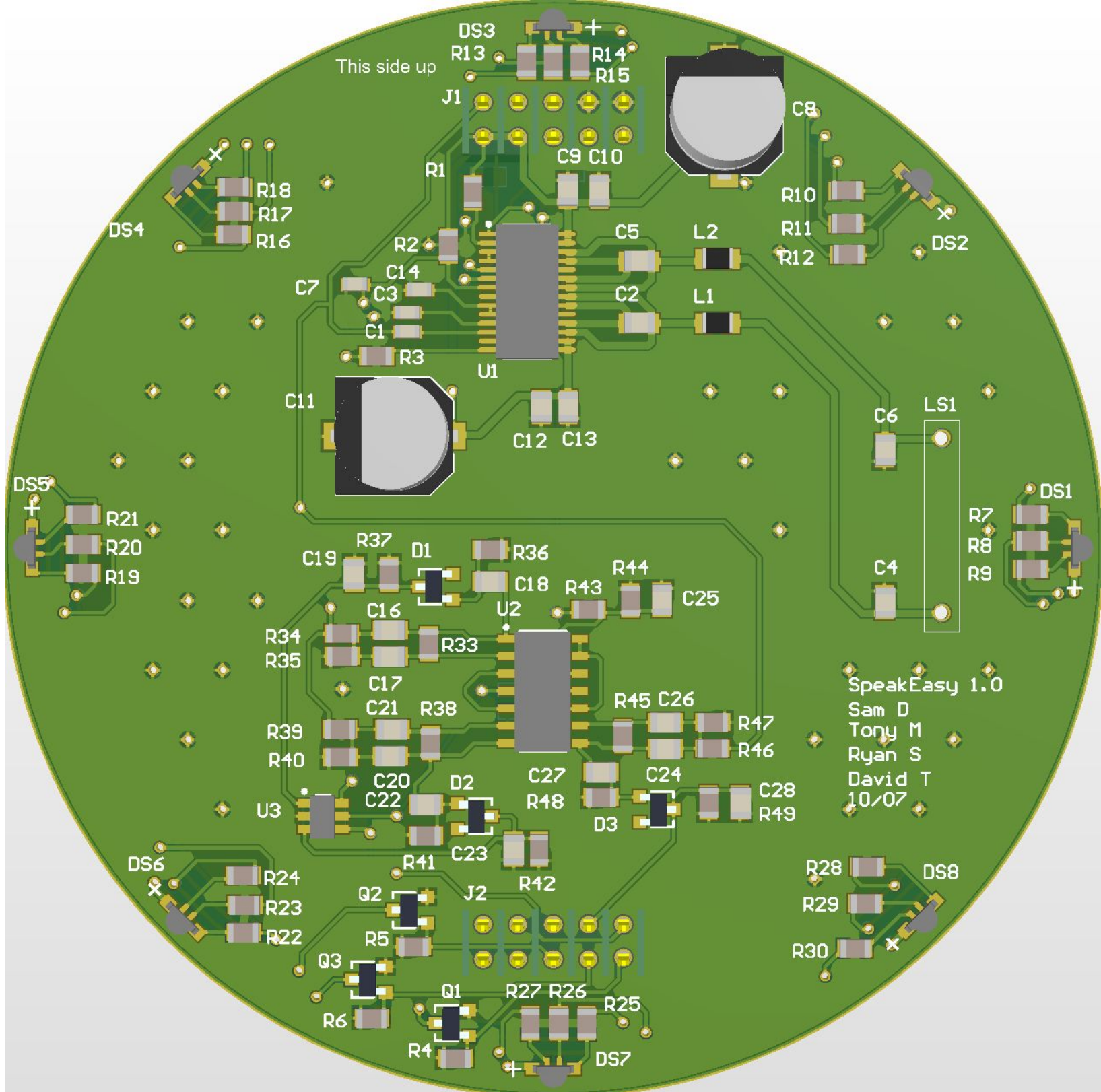
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Comment	Description	Designator	Footprint	LibRef	Quantity
1uF	CAP 1uF 25V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C1, C3, C7, C14	CAPC0603(1608)100_L	CMP-1035-02740-1	4
.47uF	CAP 470nF 50V ±20% 0805 (2012 Metric) Thickness 1.1mm SMD	C2, C5	CAPC0805(2012)110_N	CMP-1036-04655-1	2
1000pF	0805 (2012 Metric) Chip Capacitor	C4, C6, C10, C13	CAPC0805(2012)145_L	CMP-1590-00003-1	4
UCL1V101MNL1GS	Aluminum Electrolytic Capacitor, 100 uF, 35 V, 20%, -55 to 105 degC, 2- Pin SMD, RoHS, Tape and Reel	C8, C11	NIC- UCL1V101MNL1GS_L	CMP-2000-07344-1	2
0.1uF	0805 (2012 Metric) Chip Capacitor	C9, C12	CAPC0805(2012)145_L	CMP-1590-00003-1	2
CAP0805	0805 (2012 Metric) Chip Capacitor	C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31	CAPC0805(2012)145_L	CMP-1590-00003-1	16
BAT54-7-F	Schottky Diode, 30V ,200mW, SOT23-3	D1, D2, D3	DIOD-SOT23-3_V	CMP-0303-00002-1	3
APFA3010SEEZGQBDC	Right Angle SMD Chip LED Lamp, -40 to 85 degC, 4-Pin SMD, RoHS, Reel	DS1, DS2, DS3, DS4, DS5, DS6, DS7, DS8	KING- APFA3010SEEZGQBDC- 4_V	CMP-1226-00001-1	8
Stack Headers		J1, J2	SSW-105	Stack Headers	2
MI0805K601R-10	Chip Bead for Power Filtering, 1500 mA, 600 Ohm, -40 to 125 degC, 0805 (2012 Metric), RoHS, Tape and Reel	L1, L2	LIRD-MI0805K601R-10- 2_V	CMP-2000-05196-1	2
Made for use with 20AWG		LS1	Speaker	Speaker_Footprint	1
2N7002	N-channel 60 V, 1.8 Ohm, 0.35 A STripFET(TM) II Power MOSFET, SOT23	Q1, Q2, Q3	STM-SOT-23-3_V	CMP-0434-00001-1	3
100K	0805 (2012 Metric) Chip Resistor	R1, R3, R32, R50, R51	RESC0805(2012)_L	CMP-1591-00002-1	5
10R	0805 (2012 Metric) Chip Resistor	R2	RESC0805(2012)_L	CMP-1591-00002-1	1
1k	0805 (2012 Metric) Chip Resistor	R4, R5, R6	RESC0805(2012)_L	CMP-1591-00002-1	3
500R	0805 (2012 Metric) Chip Resistor	R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30	RESC0805(2012)_L	CMP-1591-00002-1	24
RES0805	0805 (2012 Metric) Chip Resistor	R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49	RESC0805(2012)_L	CMP-1591-00002-1	17
TPA3111D1PWPR	10 W Mono Class-D Audio Power Amplifier with SpeakerGuard(TM), -40 to 85 degC, 28-pin SOP (PWP28), Green (RoHS & no Sb/Br)	U1	TI-PWP28- 5720X1950TP_Q	CMP-0994-00250-1	1
MC33204DR2G	Low Voltage, Rail-to- Rail Operational Amplifier, 1.8 to 12 V, - 40 to 105 degC, 14-Pin SOIC, Pb-Free, Tape and Reel	U2	ONSC-SOIC-14-751A- 03_V	CMP-1310-00192-1	1
2/1 Analog Switch Muxer	A 2 to 1 mux for reducing number of ADCs required	U3	SOT95P280X145-6N	TS5A3159	1