

LjunggrenAudio.c

**Bills of material**  
**NOR/OR 1.0**


Type	Qty	Value	Parts	Note
Pin strip	2	10x1 pin	CON1, CON2	Angled 90 deg.
Resistor	1	10R	R1	
Resistor	4	15k	R15, R21, R33, R39	
Resistor	5	249R	R12, R13, R14, R31, R32	
Resistor	8	1.2k	R16, R17, R22, R23, R34, R35, R40, R41	
Resistor	11	100k	R5, R6, R7, R8, R19, R20, R26, R27, R28, R37, R38	
Resistor	12	220k	R2, R3, R4, R9, R10, R11, R18, R24, R25, R29, R30, R36	
Capacitor	4	100nF	C1, C3, C4, C5	X7R 2.5mm
Electrolytic	1	10uF	C2	2mm pin pitch, 5mm dia, 5mm height
Transistor	16	BC547B	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16	NPN
Jack	9	3.5mm	IN1, IN2, IN3, IN4, IN5, OUT1, OUT2, OUT3, OUT4	J301M-12 / Thonkiconn / Inline
Power header	1	5x2 pin boxed	POWER	Boxed header
Diode	1	1N5818	D1	Or SB130, power polarity protection.
LED	5	green	L1, L2, L3, L6, L7	3mm
LED	4	orange	L4, L5, L8, L9	3mm

The green LEDs use resistors R12, R13, R14, R31 and R32.

The orange LEDs use resistors R17, R23, R35 and R41.

Faceplate	PCB material, black, 2mm.
PCB	One PCB split into two with v-cut.
Mounting screws	Two black pozi M3x6 screws.
Power cable	IDC 16pin - 10pin