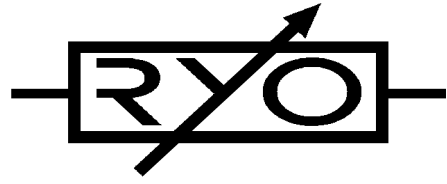


## LjunggrenAudio.com – Roll Your Own

Bills of material  
XNOR/XOR/NOT 1.0

Type	Qty	Value	Parts	Note
Pin strip	2	10x1 pin	CON1, CON2	Angled 90 deg.
Resistor	1	10R	R1	
Resistor	5	249R	R14, R21, R40, R46, R56	
Resistor	8	15k	R7, R9, R16, R24, R33, R35, R42, R51	
Resistor	8	1.2k	R10, R13, R26, R27, R36, R39, R52, R53	
Resistor	14	220k	R3, R8, R12, R17, R19, R23, R29, R34, R38, R43, R45, R47, R50, R55	
Resistor	20	100k	R2, R4, R5, R6, R11, R15, R18, R20, R22, R25, R28, R30, R31, R32, R37, R41, R44, R48, R49, R54	
Capacitor	6	100nF	C2, C3, C4, C5, C6, C7	X7R 2.5mm
Electrolytic	1	10uF	C1	2mm pin pitch, 5mm dia, 5mm height
Transistor	27	BC547B	Q1, Q2, Q3, Q4, Q5, Q6, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29	NPN
Transistor	2	BC557B	Q7, Q21	PNP
Jack	9	3.5mm	IN1, IN2, IN3, IN4, IN5, OUT1, OUT2, OUT3, OUT4	J301M-12 / Thonkiconn / Inline
Power header	1	5x2pin boxed	POWER	Boxed header
Diode	1	1N5818	D1	Or SB130, power polarity protection.
LED	5	green	L1, L2, L5, L6, L8	3mm
LED	4	orange	L3, L4, L7, L9	3mm

The green LEDs use resistors R14, R21, R40, R46 and R56.

The orange LEDs use resistors R13, R27, R39 and R53.

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