

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

01 description

File: untitled.kicad_sch

02 MCU

File: 02.kicad_sch

03 POWER

File: 05.kicad_sch

04 Synchronized Clock

File: 03.kicad_sch

05 Audio

File: 04.kicad_sch

06 LED AND MIC

File: 07.kicad_sch

Seed Studio		
Sheet: /		
File: ReSPEAKER Mic Array V3.0.kicad_sch		
Title: ReSPEAKER Mic Array V3.0		
Size: A3	Date: 2024-12-18	Rev:
KiCad E.D.A. 9.0.0	Id: 1/7	

1	2	3	4	5	6	7	8
A							
B							
C							
D							
E							
F	1	2	3	4	5	6	8

REV	Description	DATE	BY
v1.0	Initial release		fuhua.chen
v1.0	Set values of C87,C94,C101,C103,C104,c105,c106 as DNP. These caps will make some mics catch wrong data.	20170926	fuhua.chen
v2.0	XVSM-2000 is EOL,change MCU to XVF-3000.Del unused components.	20180125	fuhua.chen
v2.0.1	RGB LED Change to APA 102-2020-256-6A	20200110	Vincent
V3.0	WM8960 is EOL,change Audio to TLV320AIC3104IRHBR, U5 ADM1085AKSZ change to U15 SGM836-ADJXN66/TR, add F1 and D3	20241212	Wei.Xing

Seed Studio

Sheet: /01 description/
File: untitled.kicad_sch

Title: ReSPEAKER Mic Array V3.0

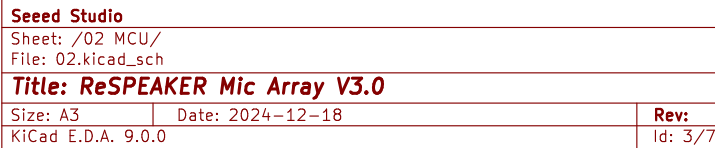
Size: A3

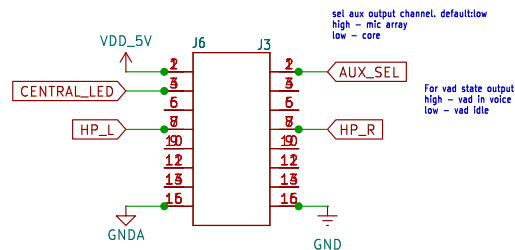
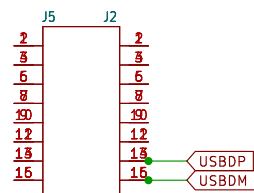
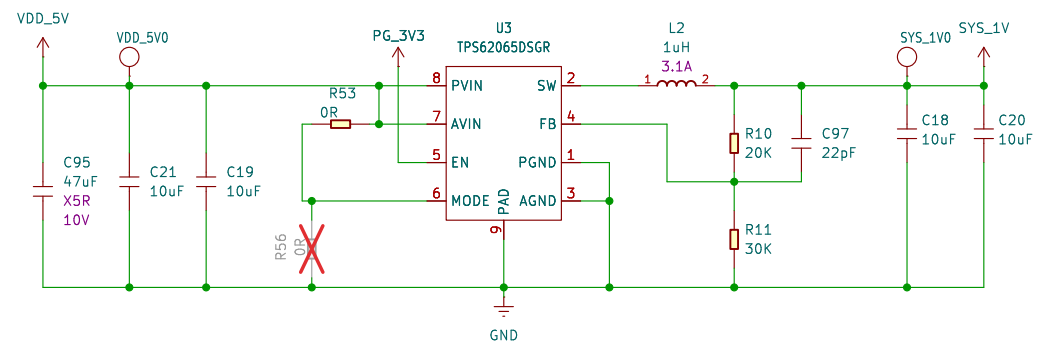
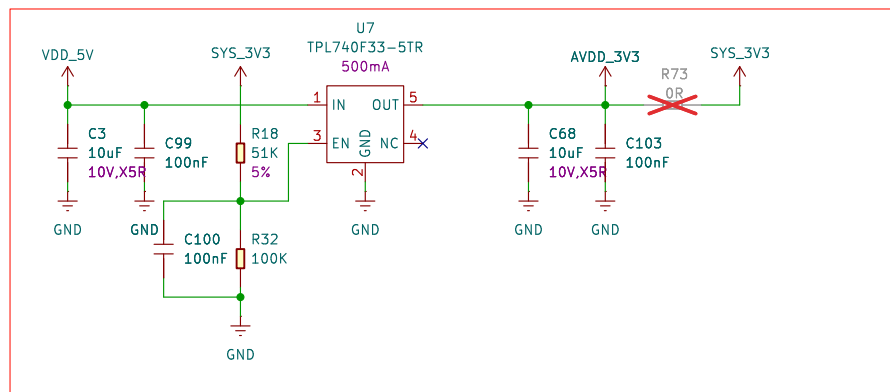
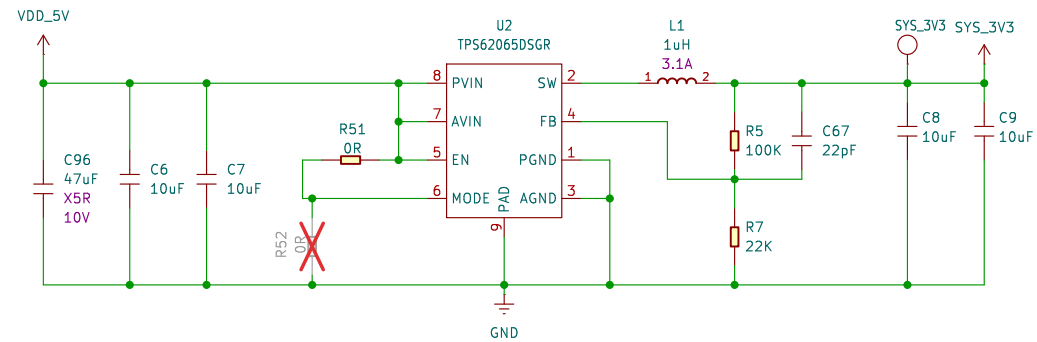
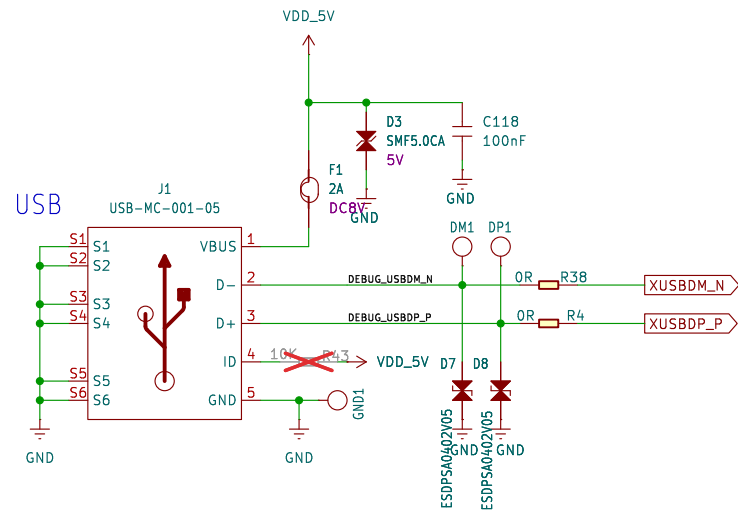
Date: 2024-12-18

Rev:

KiCad E.D.A. 9.0.0

Id: 2/7





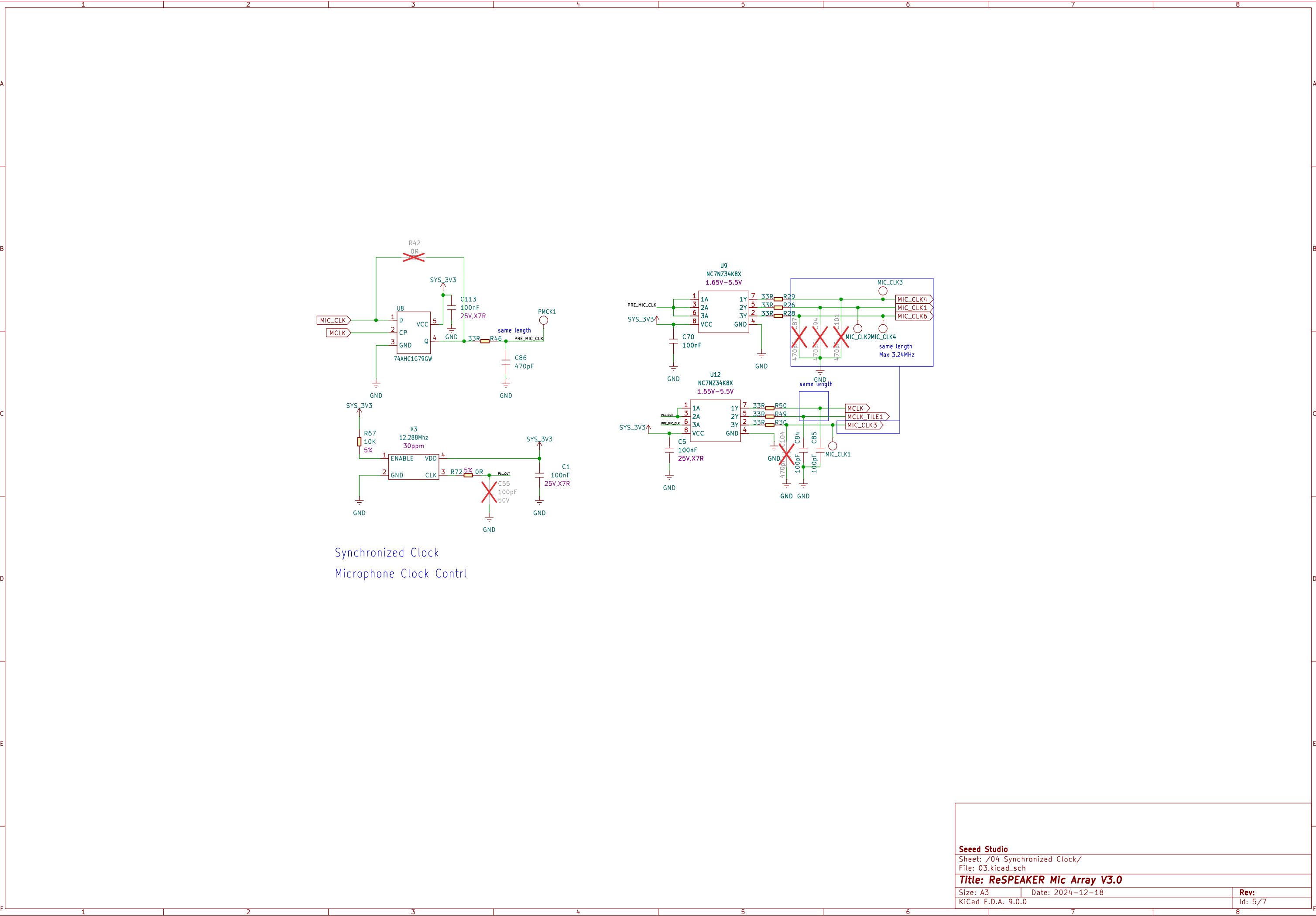
Seeed Studio

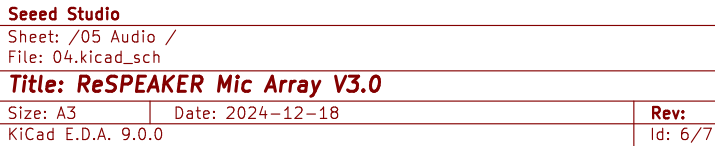
Sheet: /03 POWER/
File: 05.kicad_sch

Title: **ReSPEAKER Mic Array V3.0**

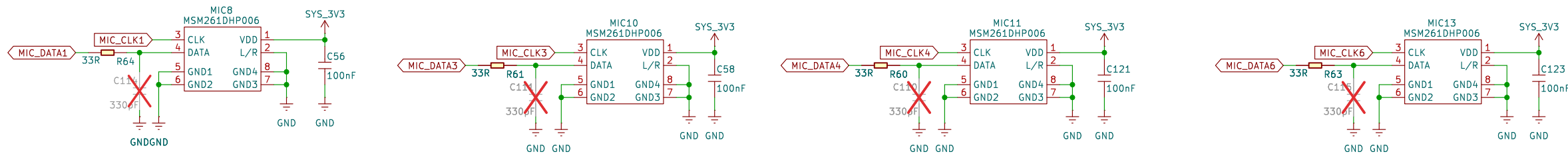
Size: A3 Date: 2024-12-18
KiCad E.D.A. 9.0.0

Rev:
Id: 4/7

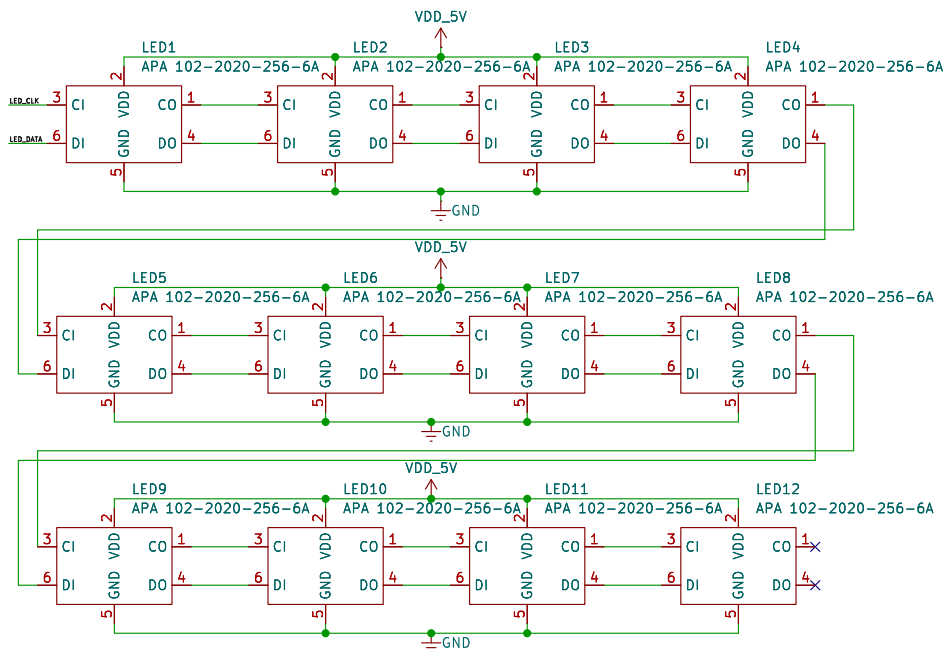
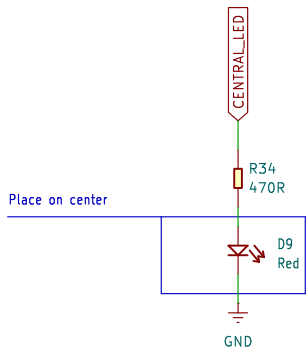
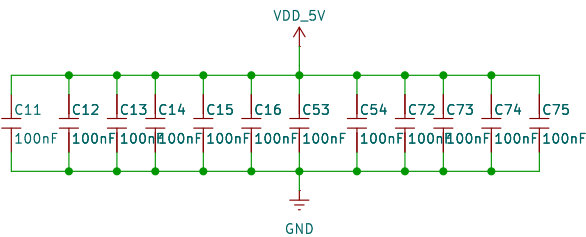
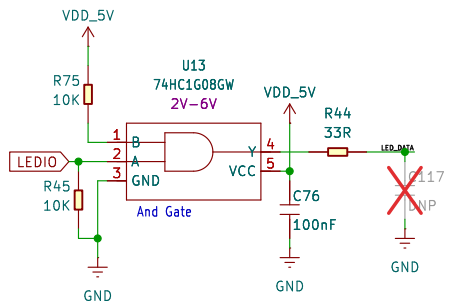
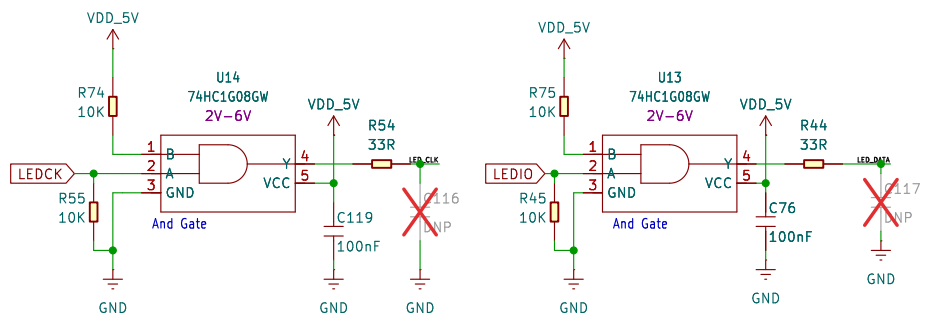




TOP_MIC



MIC_DATA should have a same length



Seed Studio

Sheet: /06 LED AND MIC/
File: 07.kicad_sch

Title: ReSPEAKER Mic Array V3.0

Size: A3 Date: 2024-12-18
KiCad E.D.A. 9.0.0

Rev:
Id: 7/7