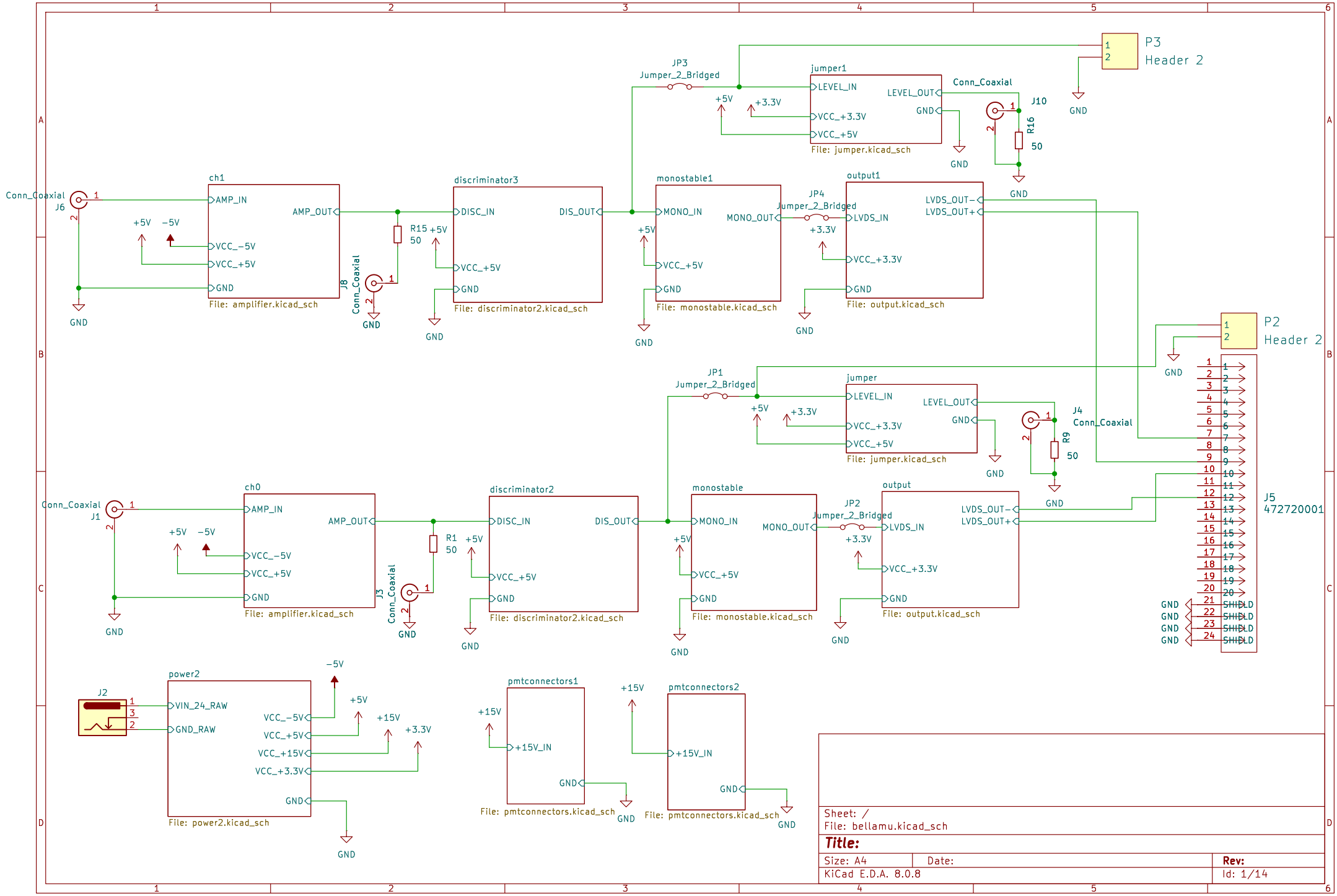
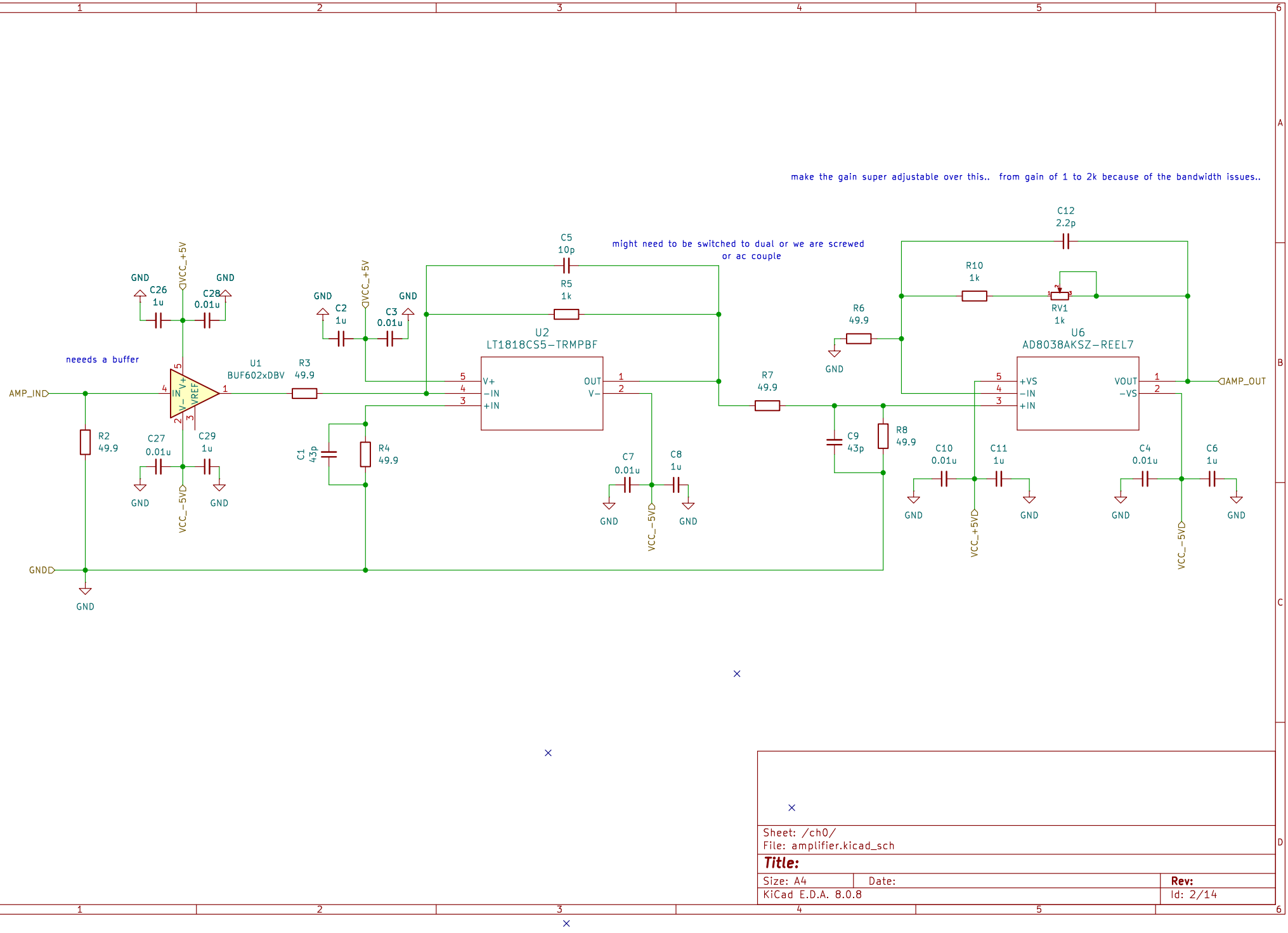
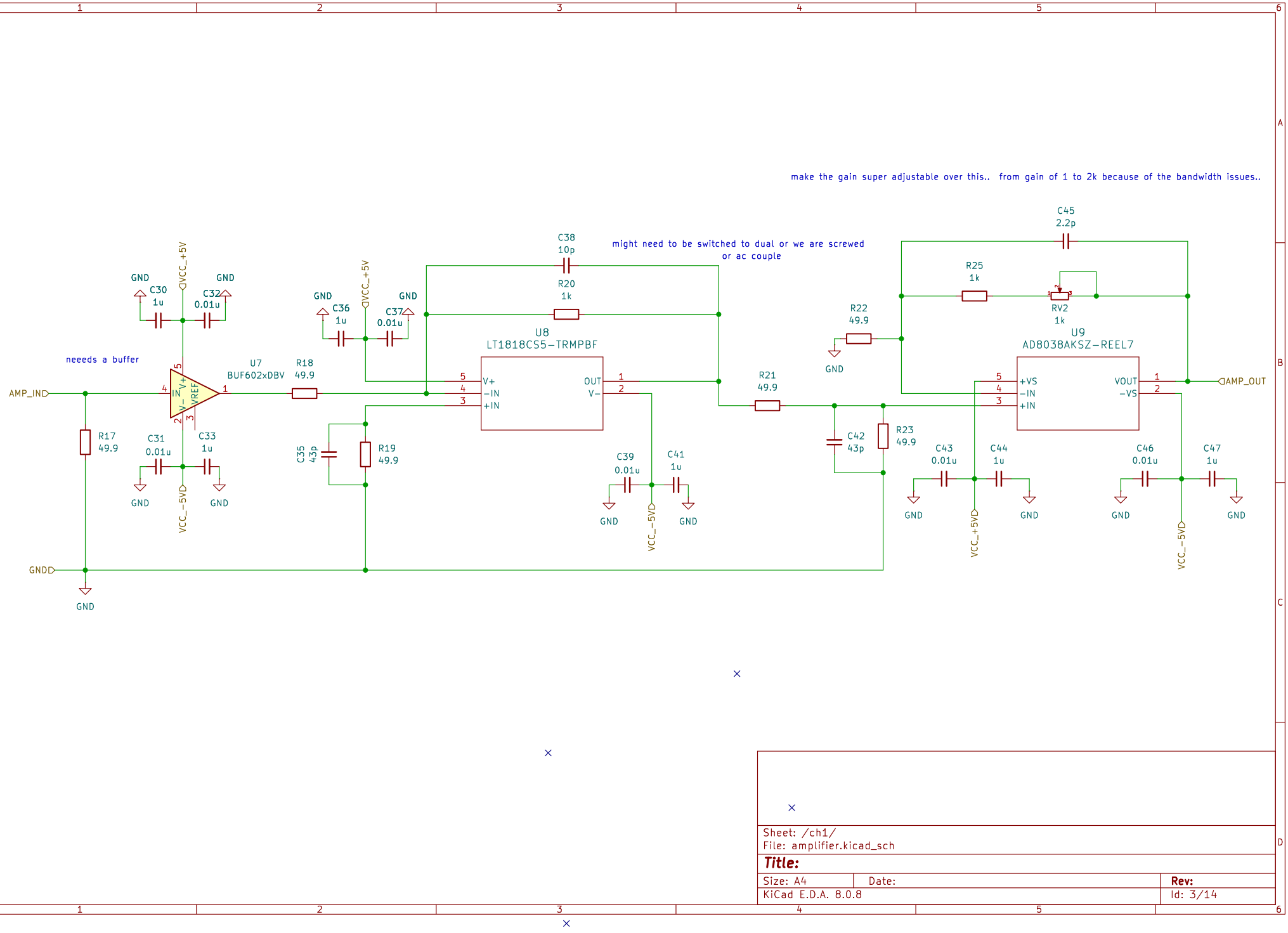
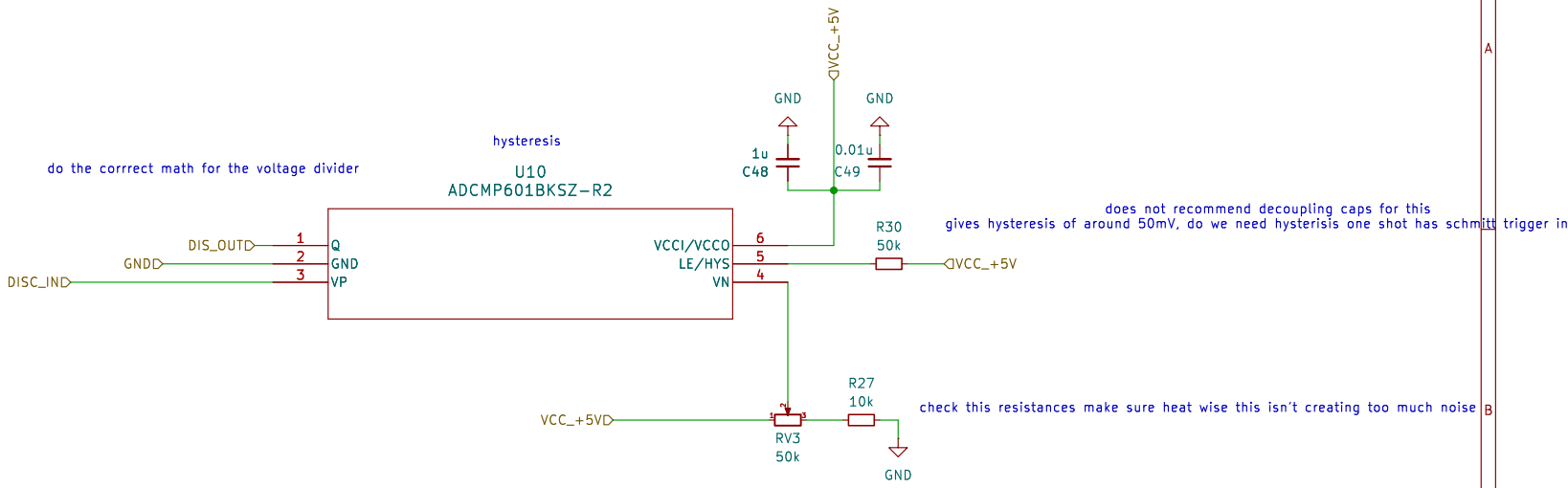

P3
Header 2
JP3
Jumper_2_Bridged
jumper1
LEVEL_IN
LEVEL_OUT
GND
VCC_+3.3V
VCC_+5V
File: jumper.kicad_sch
Conn_Coaxial
J10
R16
50
ch1
AMP_IN
AMP_OUT
VCC_-5V
VCC_+5V
GND
File: amplifier.kicad_sch
J6
J8
R15
discriminator3
DISC_IN
DIS_OUT
File: discriminator2.kicad_sch
monostable1
MONO_IN
MONO_OUT
File: monostable.kicad_sch
output1
JP4
LVDS_IN
LVDS_OUT-
LVDS_OUT+
File: output.kicad_sch
P2
Header 2
JP1
jumper
J4
R9
ch0
J1
J3
R1
discriminator2
monostable
output
JP2
J5
472720001
SHIELD
power2
J2
VIN_24_RAW
GND_RAW
VCC_-5V
VCC_+5V
VCC_+15V
VCC_+3.3V
File: power2.kicad_sch
pmtconnectors1
+15V_IN
File: pmtconnectors.kicad_sch
pmtconnectors2
Sheet: /
File: bellamu.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.8
Id: 1/14



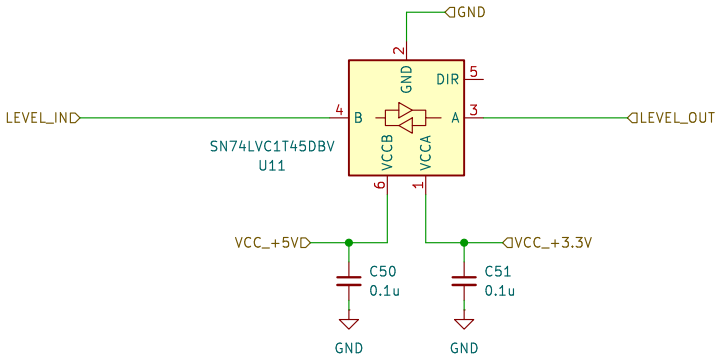
Sheet: /ch0/		
File: amplifier.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 2/14



Sheet: /ch1/		
File: amplifier.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 3/14



Sheet: /discriminator3/		
File: discriminator2.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 4/14



Sheet: /jumper1/		
File: jumper.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 5/14

to ldvs

U4
LM3940IMP-3.3
check footprints here

remote put vcc

no fuse

L1
10u

i stil dont think this is done correctly i fear

VIN_24_RAW

S2
BB16AH-FA

C15
10u

tvs diode needed?

GND_RAW
TP1
TestPoint_Alt

R24
10k

TMR 6-2421WIR
U3

C17
1n

CASE
case may need to be connected to ground or to ps idk

C13
0.47u

C20
33u

VCC_+3.3V

VCC_+5V

R12
150

R13
150

LED
D2

D3
LED

GND

VCC_-5V

P1
Header 4
VCC_-5V
VCC_+5V
VCC_+15V
GND

is this being pulled down in the correct way
add remote control

10u

S1 L2
BB16AH-FA

C14
10u

R28
10k

PS1
TMR_6-2413WIR

i believe case is no connect but i don't know

C16
1n

680
R11

D1
LED

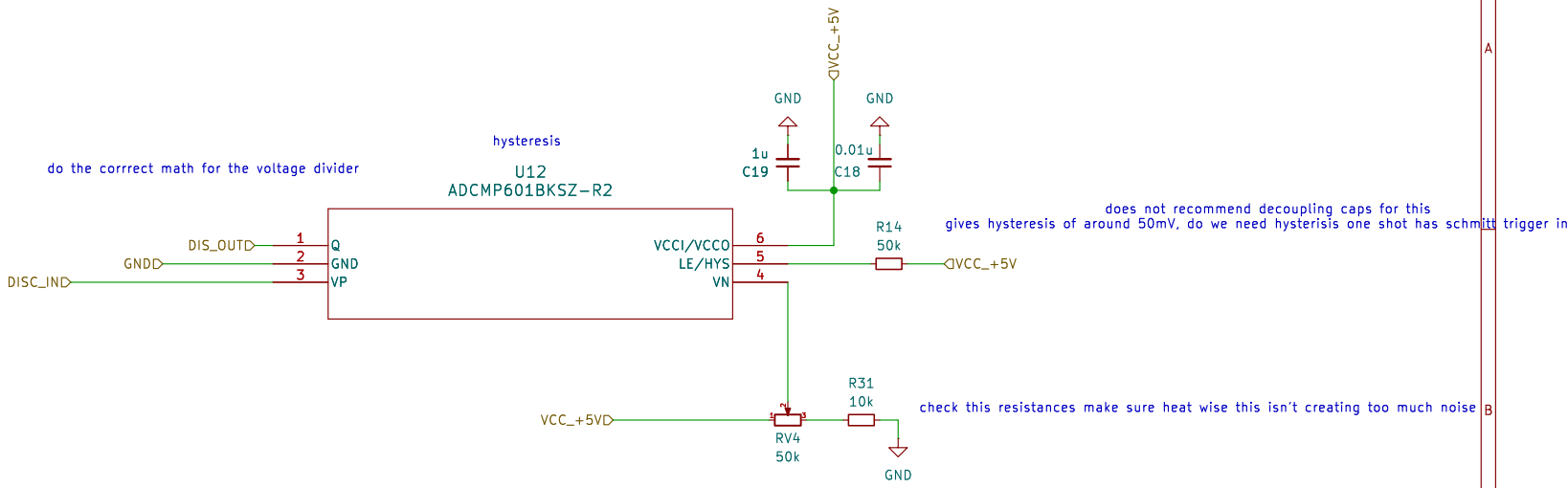
VCC_+15V

GND

Sheet: /power2/
File: power2.kicad_sch

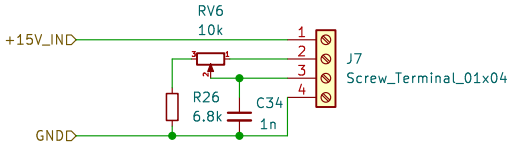
Title:

Size: A4 | Date: | **Rev:**
KiCad E.D.A. 8.0.8 | Id: 6/14



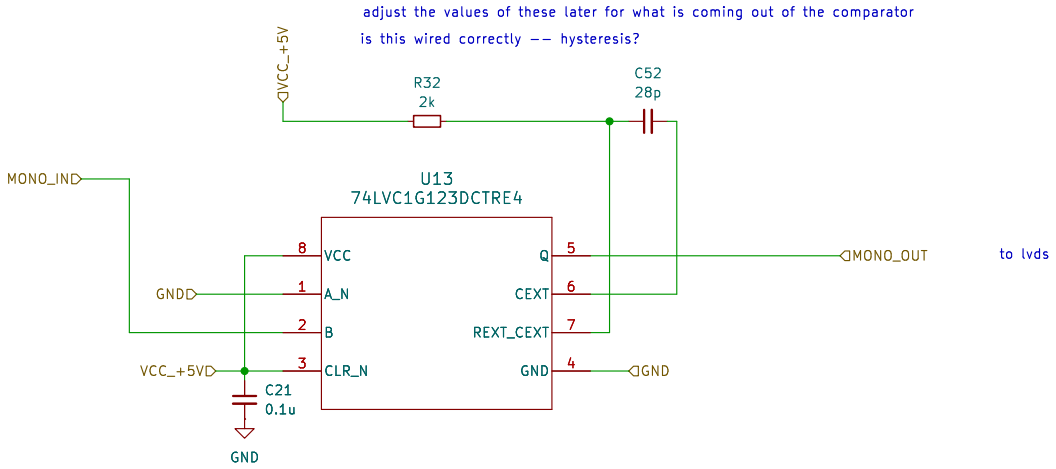
Sheet: /discriminator2/		
File: discriminator2.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 7/14

is this the right resistor



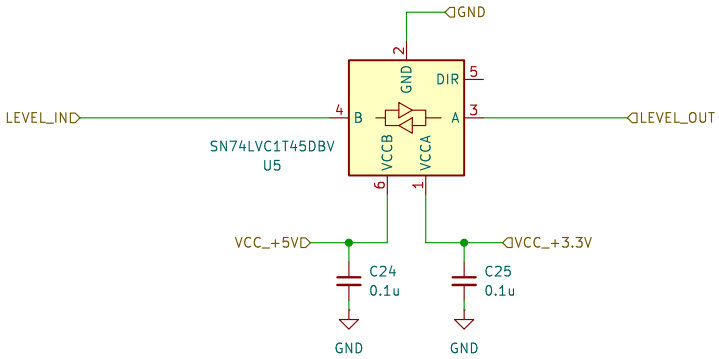
get the values

Sheet: /pmtconnectors1/ File: pmtconnectors.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 8/14

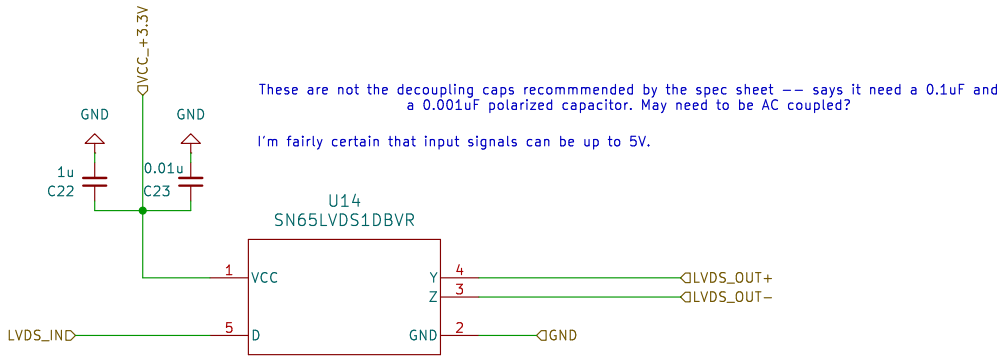


This one-shot is configured to trigger on the rising edge of the input pulse. We want the output pulse to be around 150ns long. As specified by the spec sheet, C = 28pF and R = 2kOhm for a Vcc = +5V. If this pulse needs to be longer, the supply voltage needs to be smaller.

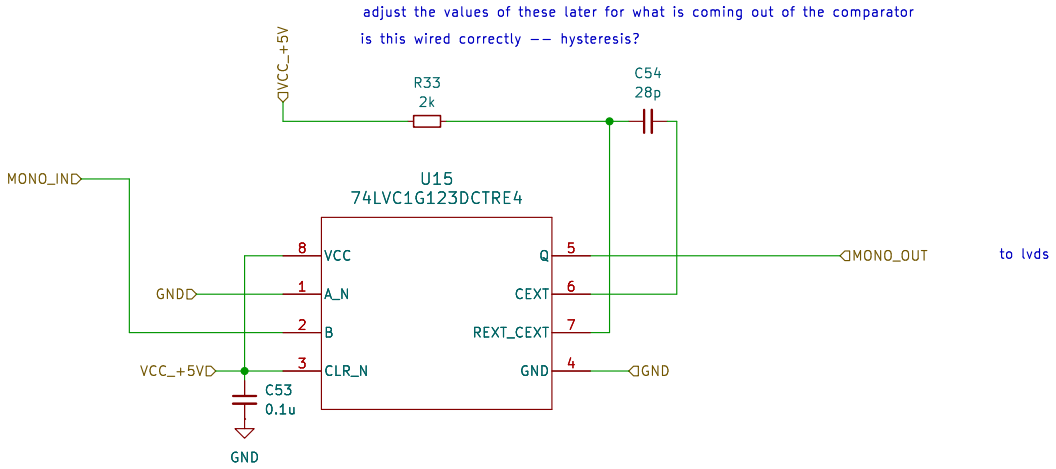
Sheet: /monostable/		
File: monostable.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 9/14



Sheet: /jumper/		
File: jumper.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 9/14



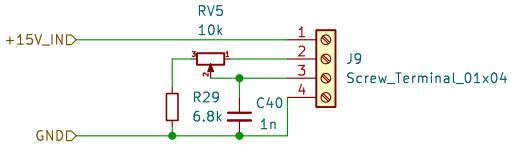
Sheet: /output/		
File: output.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 10/14



This one-shot is configured to trigger on the rising edge of the input pulse. We want the output pulse to be around 150ns long. As specified by the spec sheet, C = 28pF and R = 2kOhm for a Vcc = +5V. If this pulse needs to be longer, the supply voltage needs to be smaller.

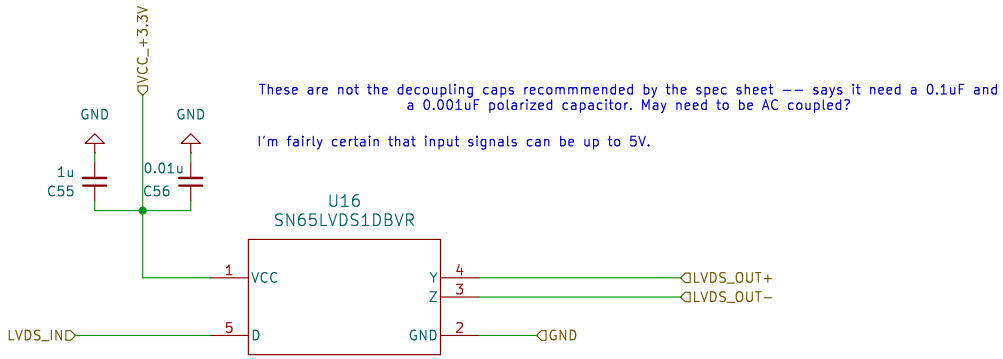
Sheet: /monostable1/		
File: monostable.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 11/14

is this the right resistor



get the values

Sheet: /pmtconnectors2/ File: pmtconnectors.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 12/14



Sheet: /output1/		
File: output.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.8		Id: 13/14