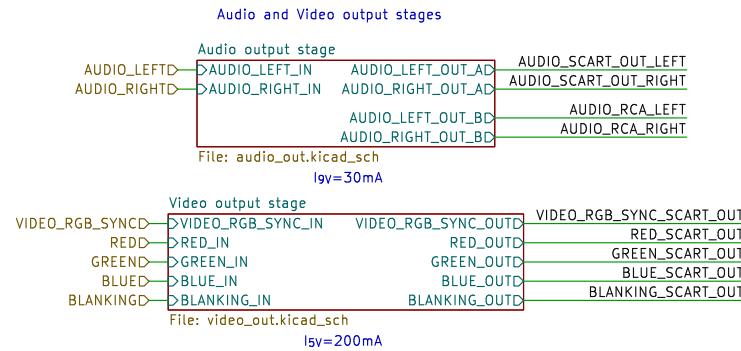


1 2 3 4 5 6

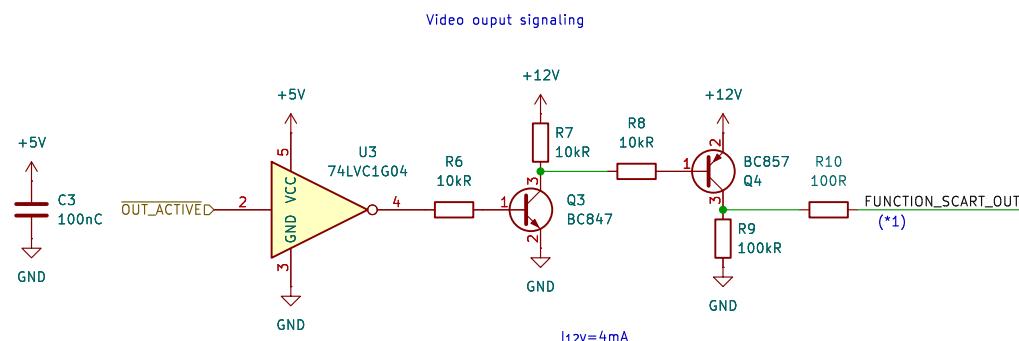
A

A



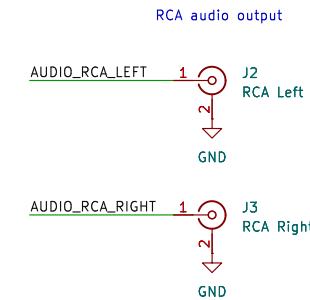
B

B



C

C



(*1) FUNCTION pin has the following signaling:
Level 0: 0 V to +2 V (SCART off)
Level 1A: +4.5 V to +7 V (SCART on, 16:9)
Level 1B: +9.5 V to +12 V (SCART on)

The circuit doesn't distinguish between levels 1A and 1B as these are frequently not respected in consumer products. This way it is simpler to default to 4:3 format (12V) when the video output is active and if needed manually adjust the TV to 16:9.

Sheet: /SCART output/
File: SCART_output.kicad_sch

Title:

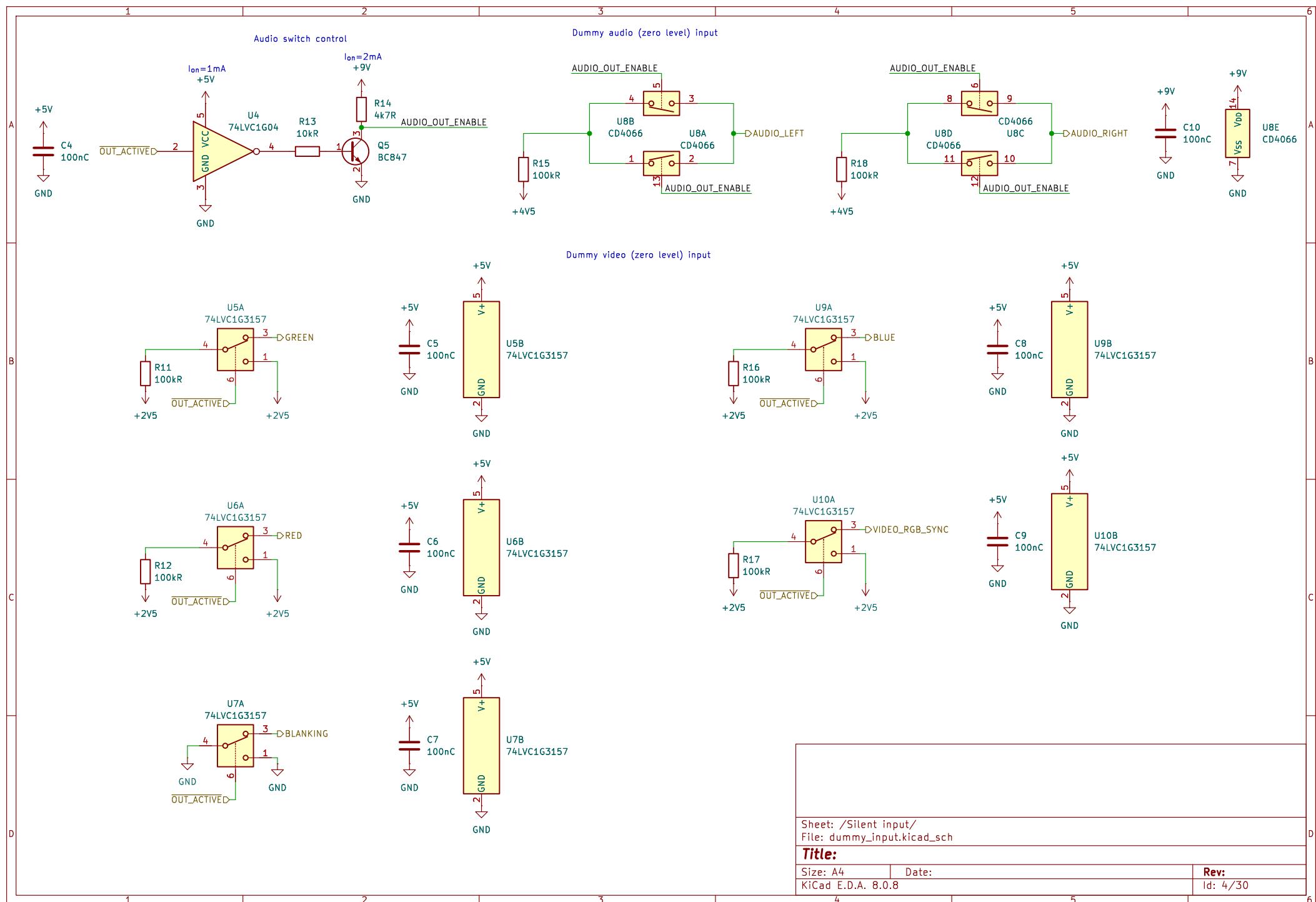
Size: A4 Date:

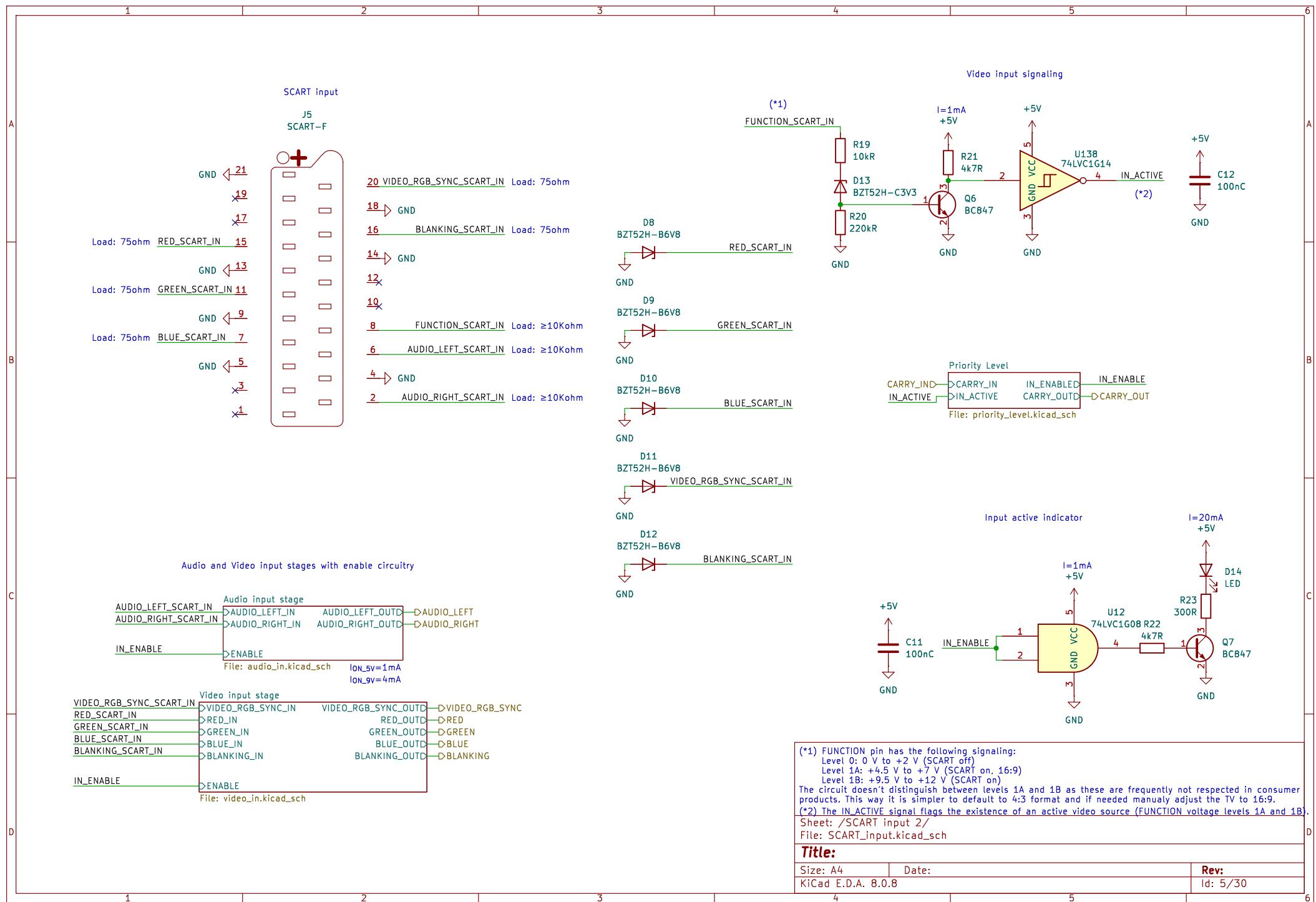
KiCad E.D.A. 8.0.8

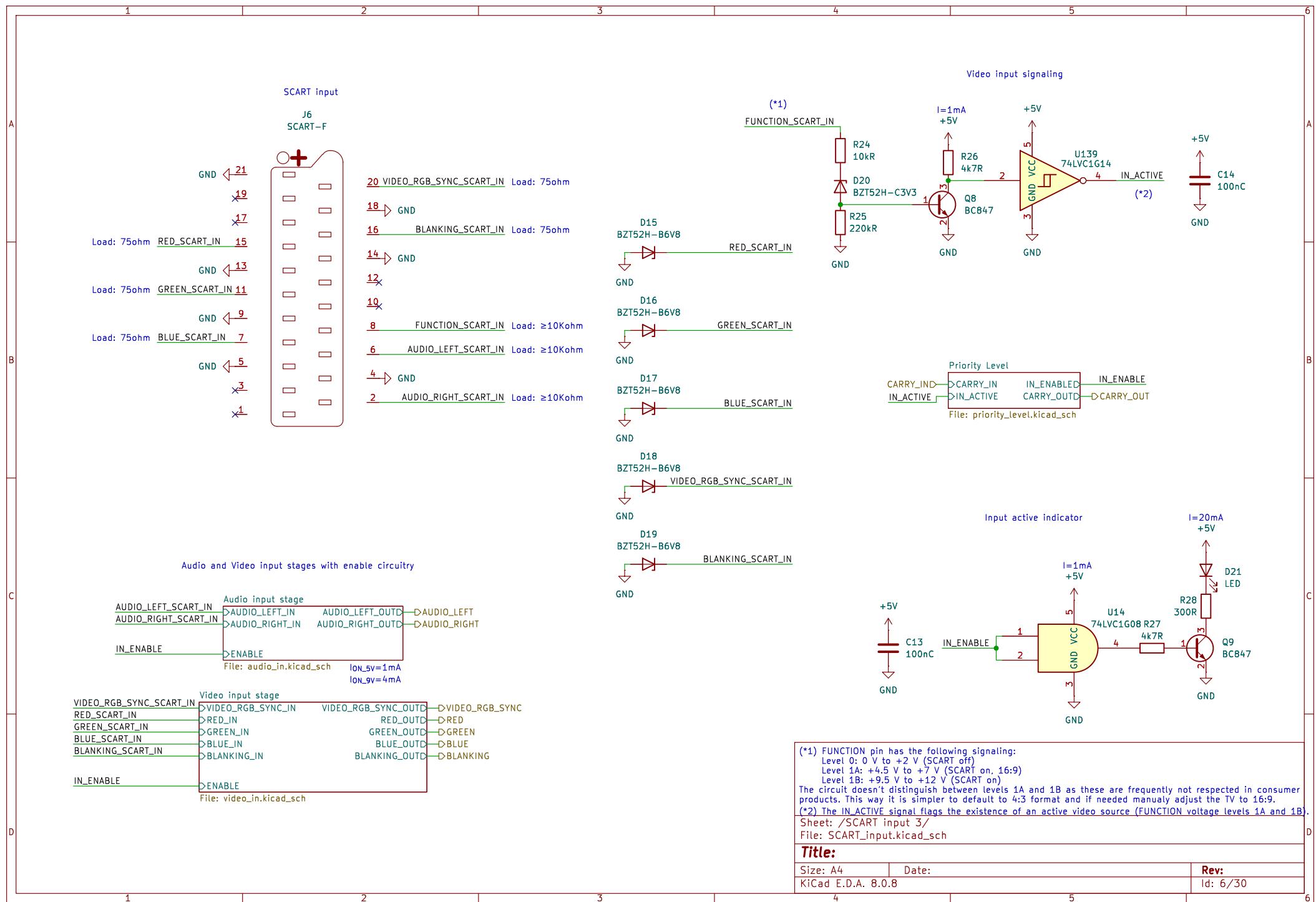
Rev:

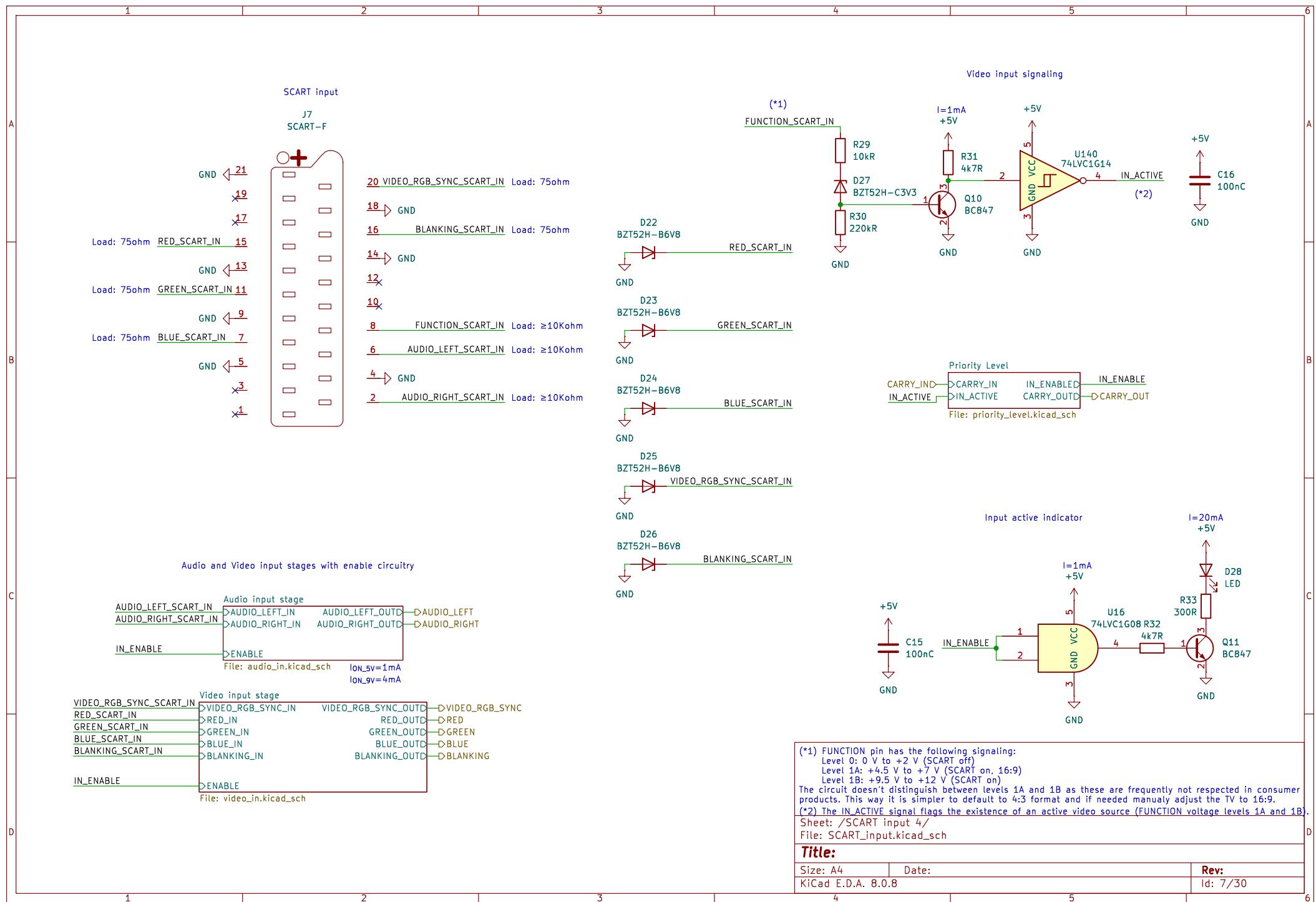
Id: 3/30

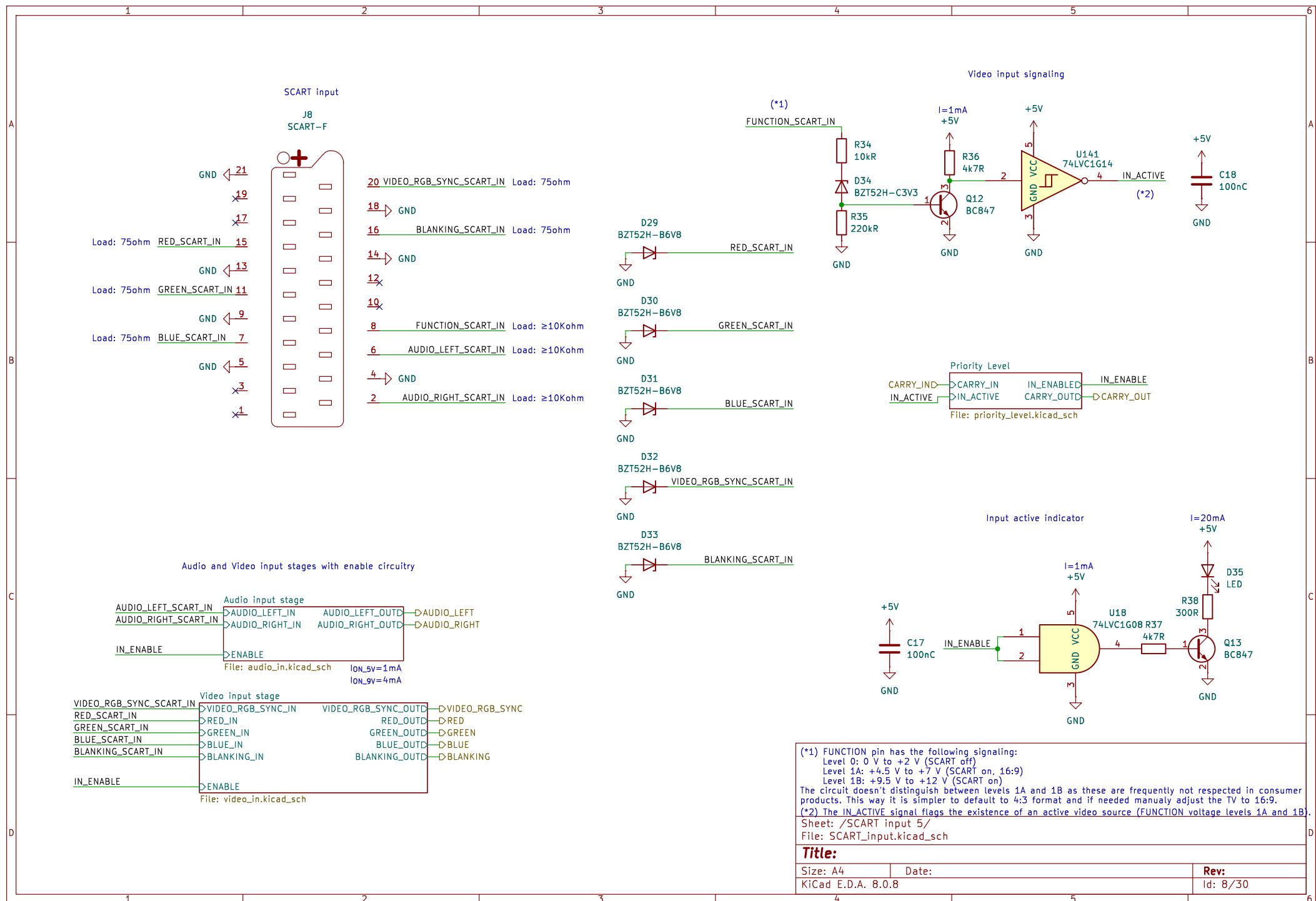
1 2 3 4 5 6

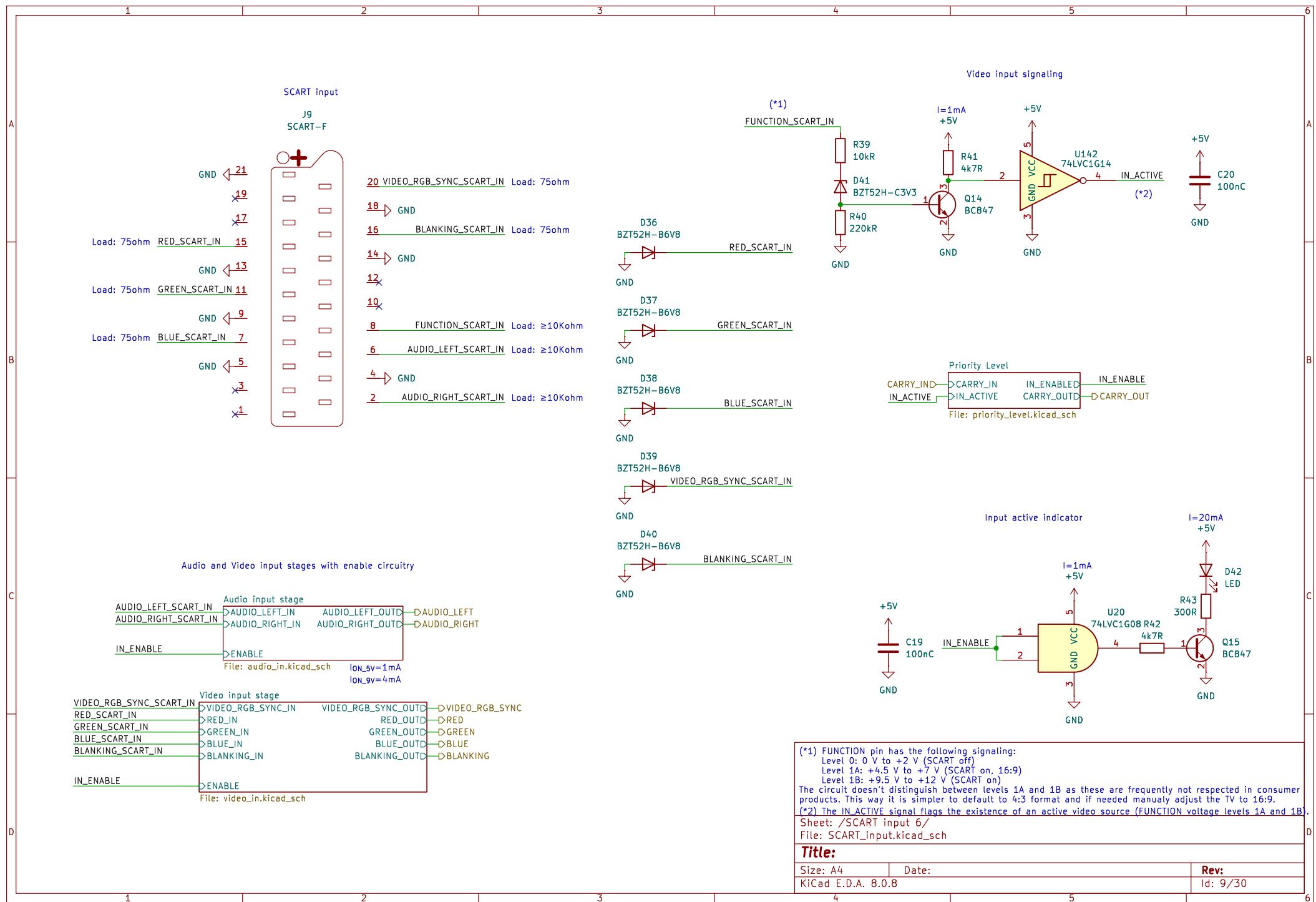












1 2 3 4 5 6

A

A

B

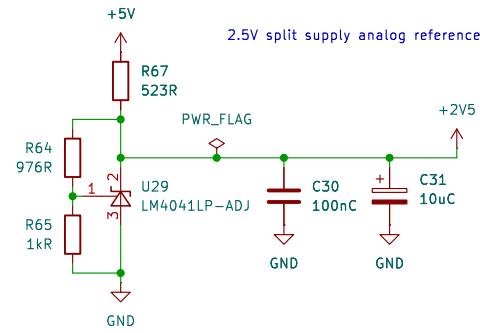
B

C

C

D

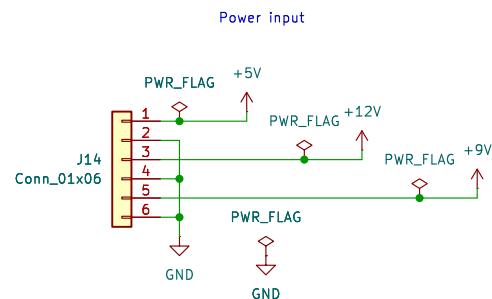
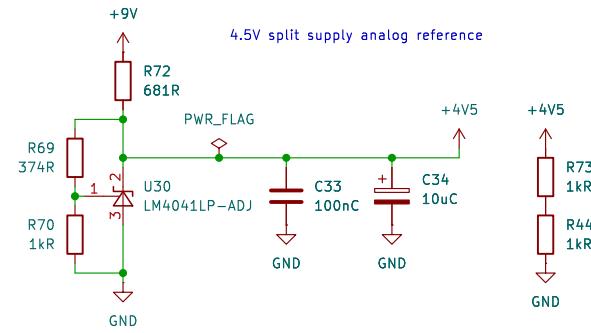
D



+2.5V

R68
1kR

GND



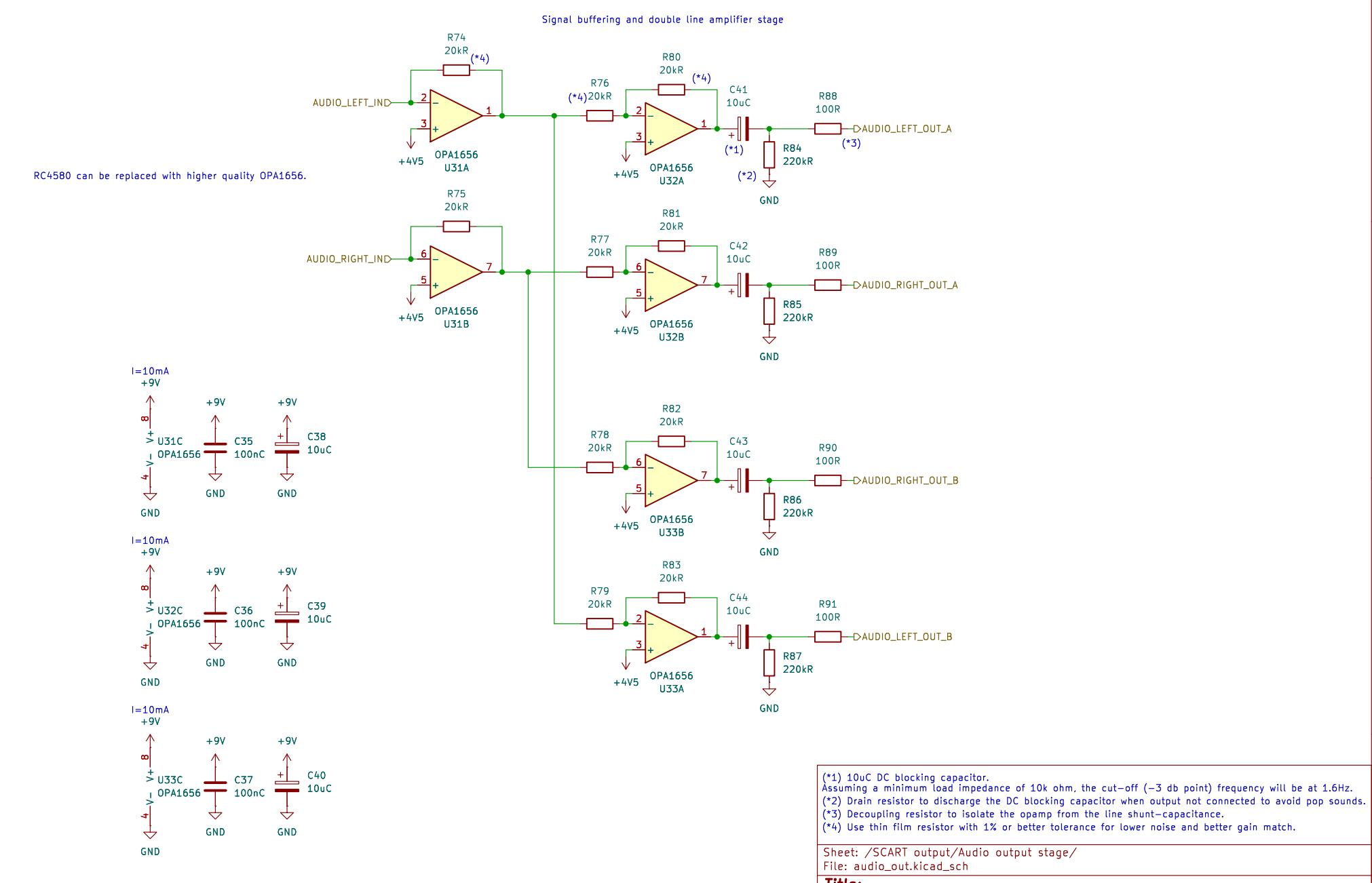
Sheet: /Power/
File: power.kicad_sch

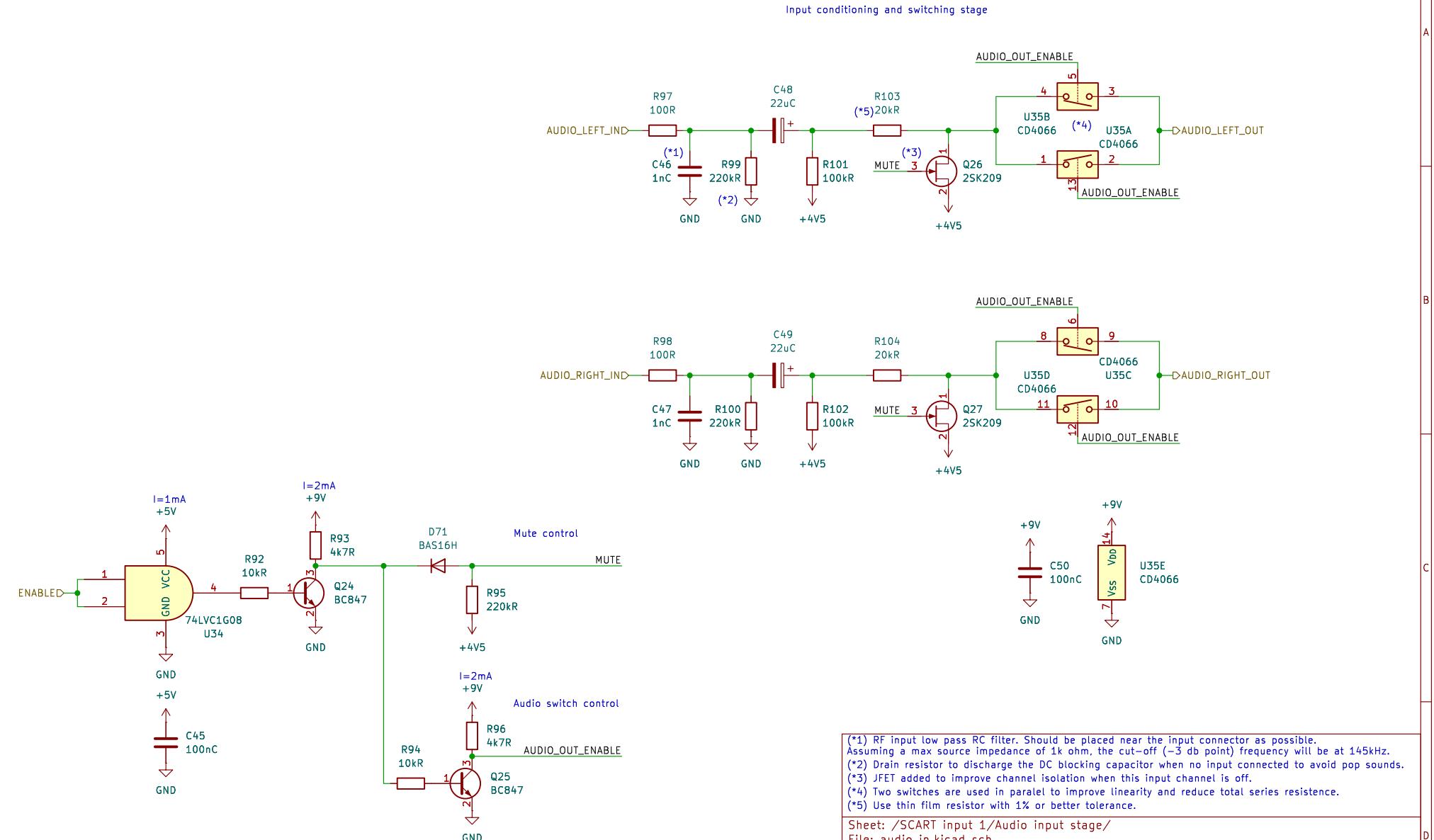
Title:

Size: A4 Date:
KiCad E.D.A. 8.0.8

Rev:
Id: 14/30

1 2 3 4 5 6





Sheet: /SCART input 1/ Audio input stage/
File: audio_in.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. 8.0.8

Rev:
Id: 26/30

1 2 3 4 5 6

A

A

B

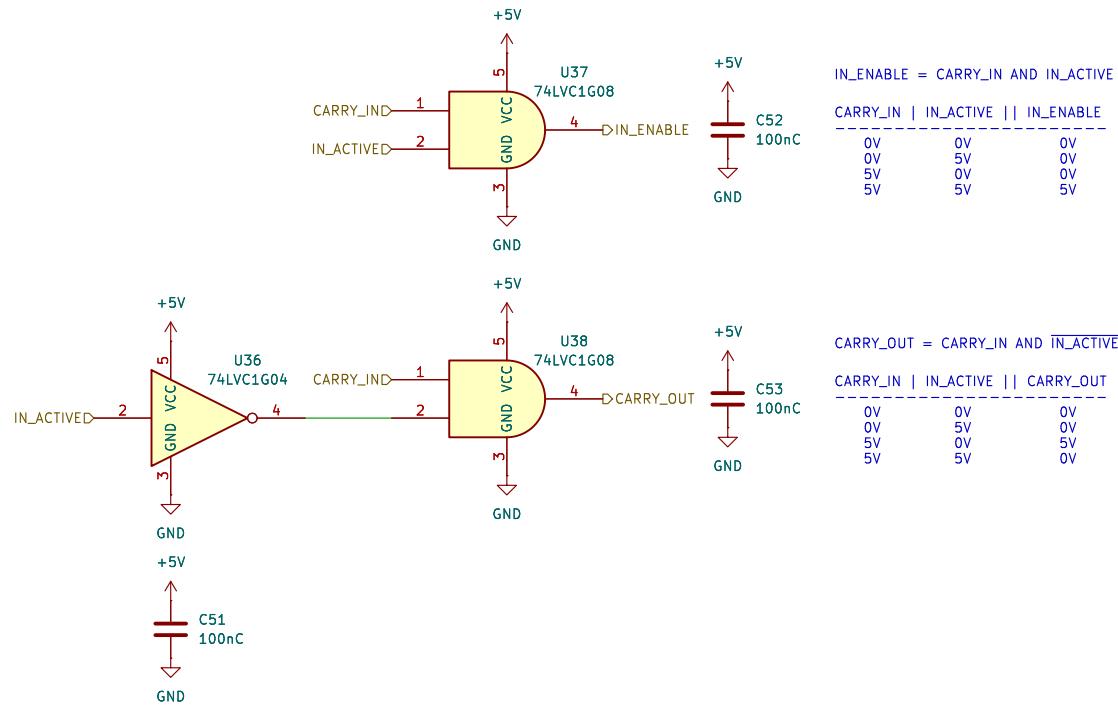
B

C

C

D

D



Sheet: /SCART input 1/Priority Level/
File: priority_level.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. 8.0.8

Rev:
Id: 28/30

1 2 3 4 5 6

1 2 3 4 5 6

A

A

B

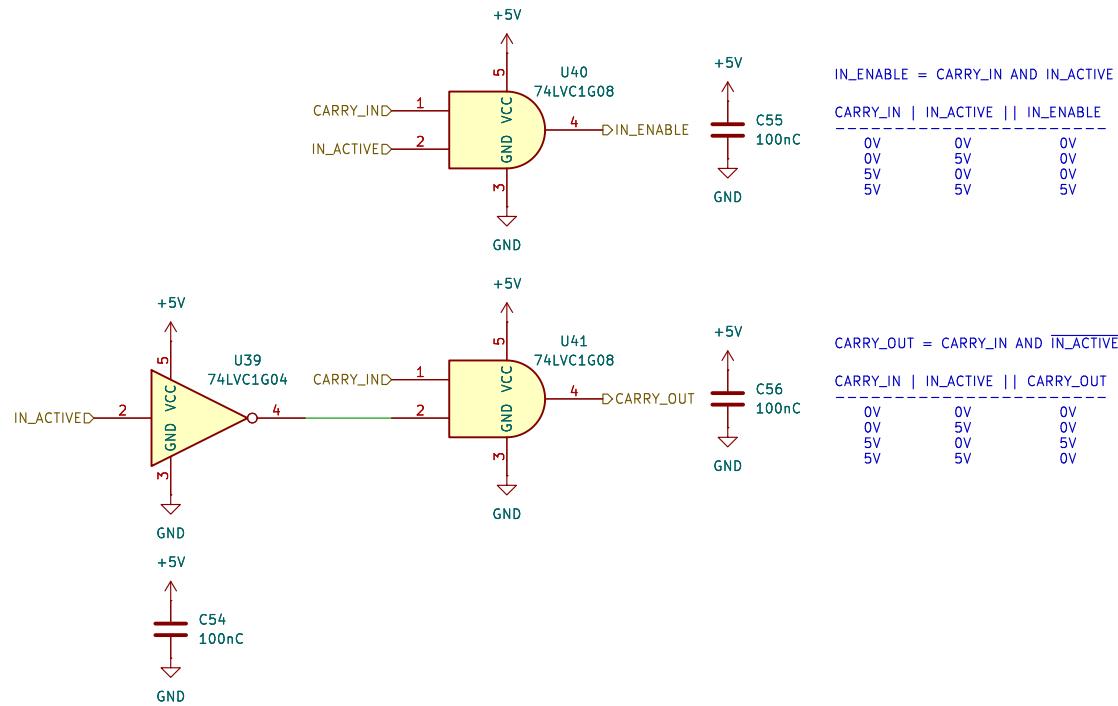
B

C

C

D

D



IN_ENABLE = CARRY_IN AND IN_ACTIVE

CARRY_IN | IN_ACTIVE || IN_ENABLE

0V	0V	0V
0V	5V	0V
5V	0V	0V
5V	5V	5V

CARRY_OUT = CARRY_IN AND $\overline{\text{IN_ACTIVE}}$

CARRY_IN | IN_ACTIVE || CARRY_OUT

0V	0V	0V
0V	5V	0V
5V	0V	5V
5V	5V	0V

Sheet: /SCART input 2/Priority Level/
File: priority_level.kicad_sch

Title:

Size: A4 Date:

KiCad E.D.A. 8.0.8

Rev:
Id: 29/30

1 2 3 4 5 6

1 2 3 4 5 6

A

A

B

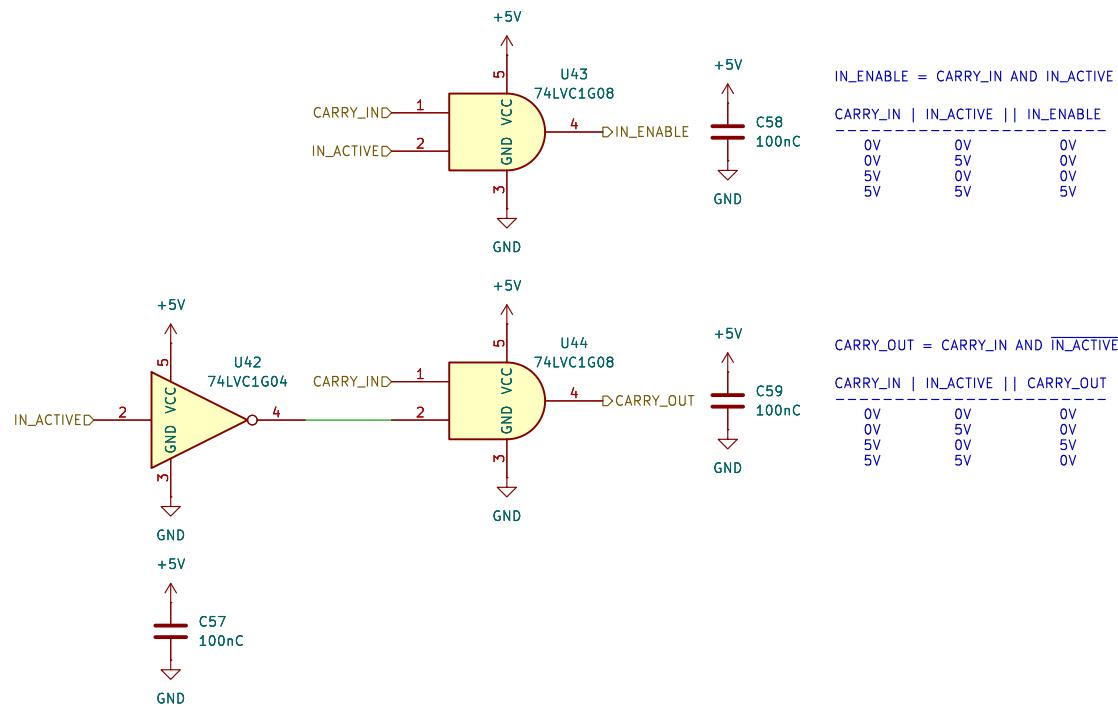
B

C

C

D

D



Sheet: /SCART input 3/Priority Level/
File: priority_level.kicad_sch

Title:

Size: A4 | Date:

KiCad E.D.A. 8.0.8

Rev:
Id: 30/30

1 2 3 4 5 6

1 2 3 4 5 6

A

A

B

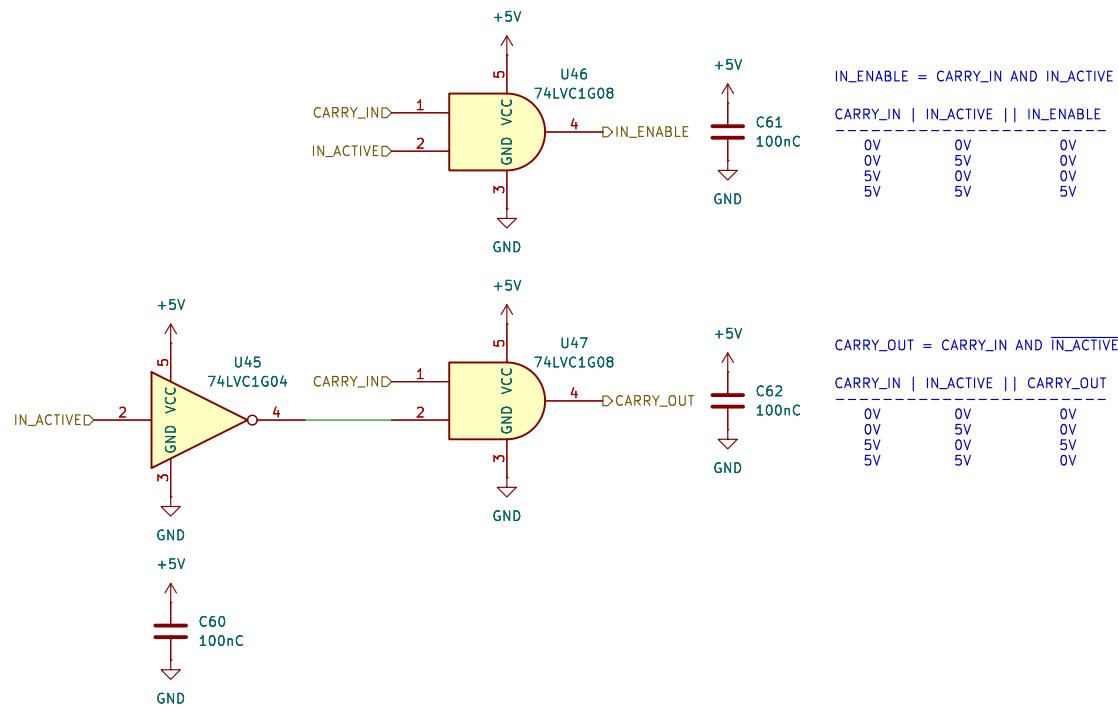
B

C

C

D

D



Sheet: /SCART input 4/Priority Level/
File: priority_level.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. 8.0.8

Rev:
Id: 31/30

1 2 3 4 5 6

1 2 3 4 5 6

A

A

B

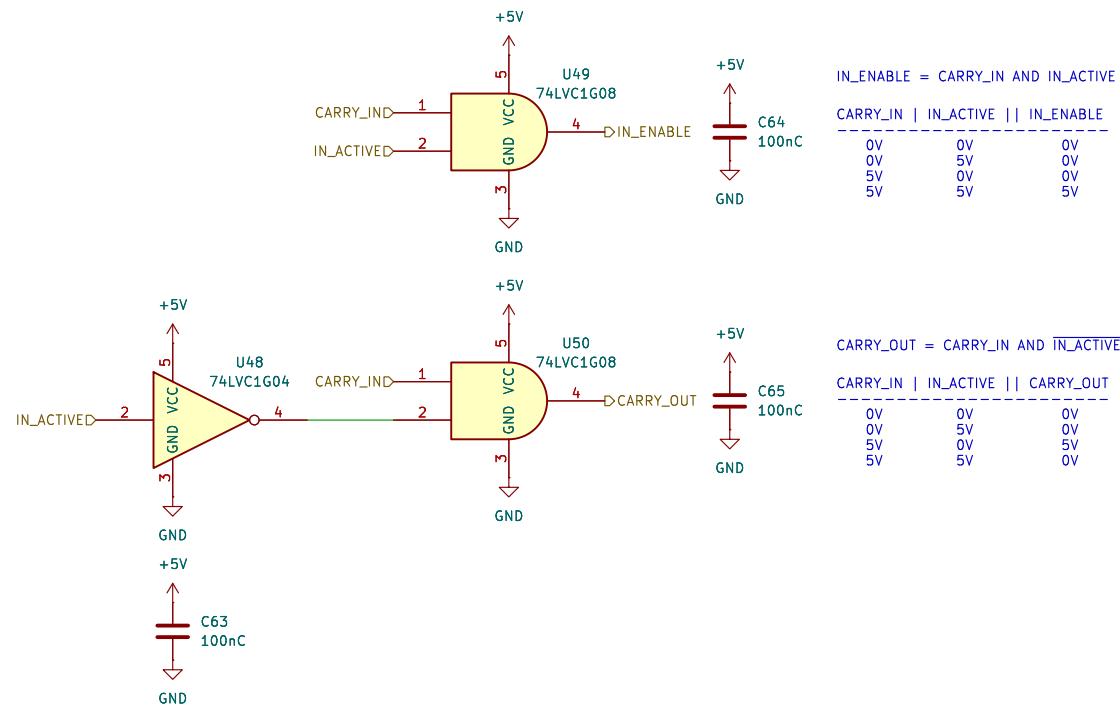
B

C

C

D

D



Sheet: /SCART input 5/Priority Level/
File: priority_level.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. 8.0.8

Rev:
Id: 32/30

1 2 3 4 5 6

1 2 3 4 5 6

A

A

B

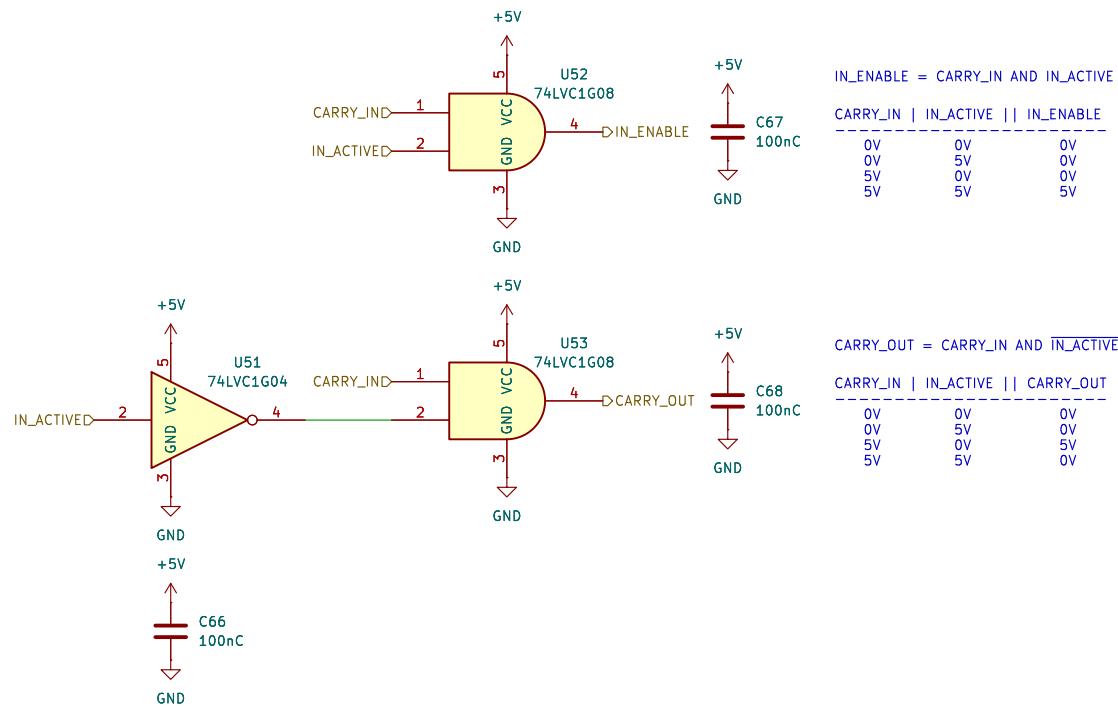
B

C

C

D

D



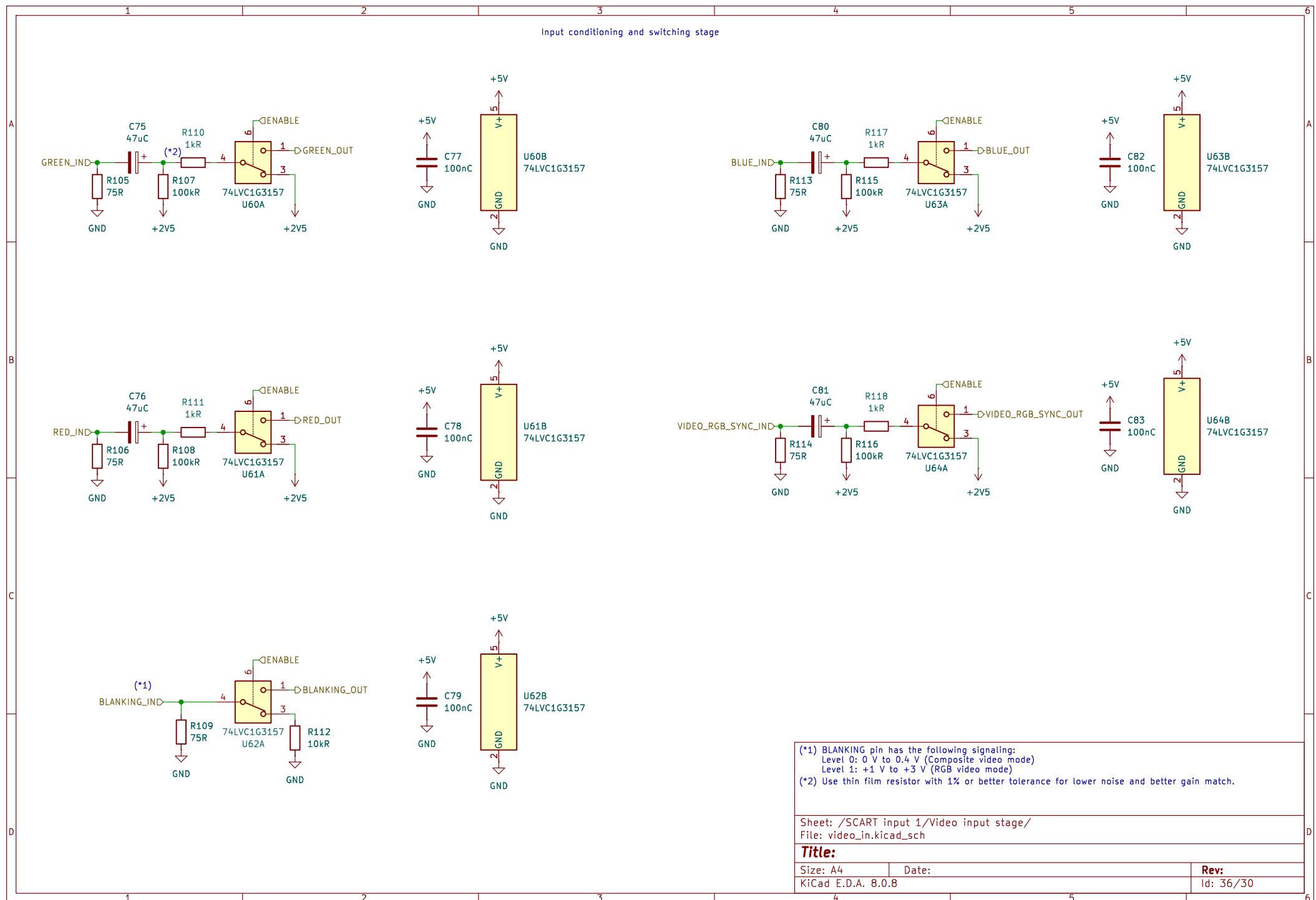
Sheet: /SCART input 6/Priority Level/
File: priority_level.kicad_sch

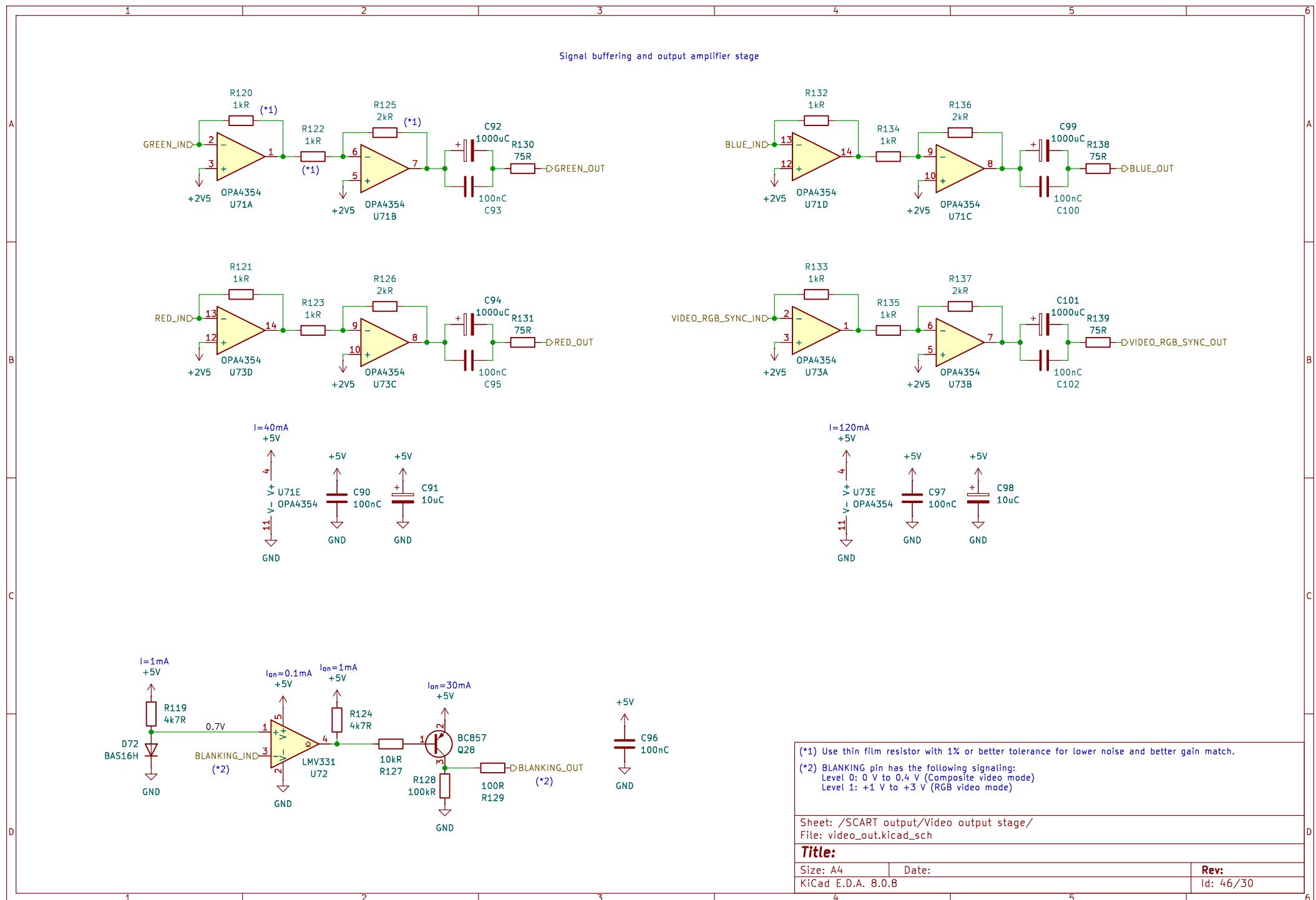
Title:

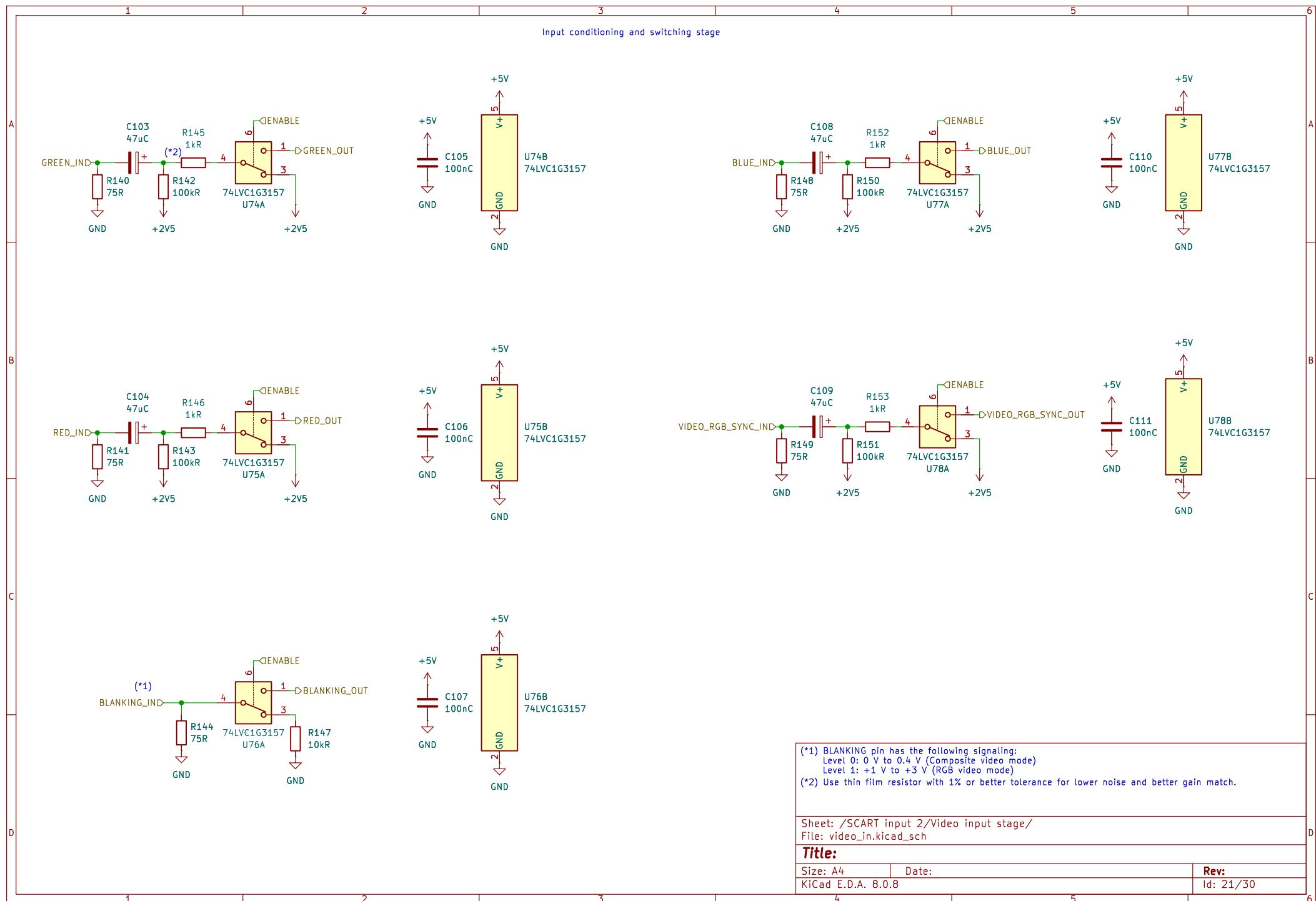
Size: A4 Date:
KiCad E.D.A. 8.0.8

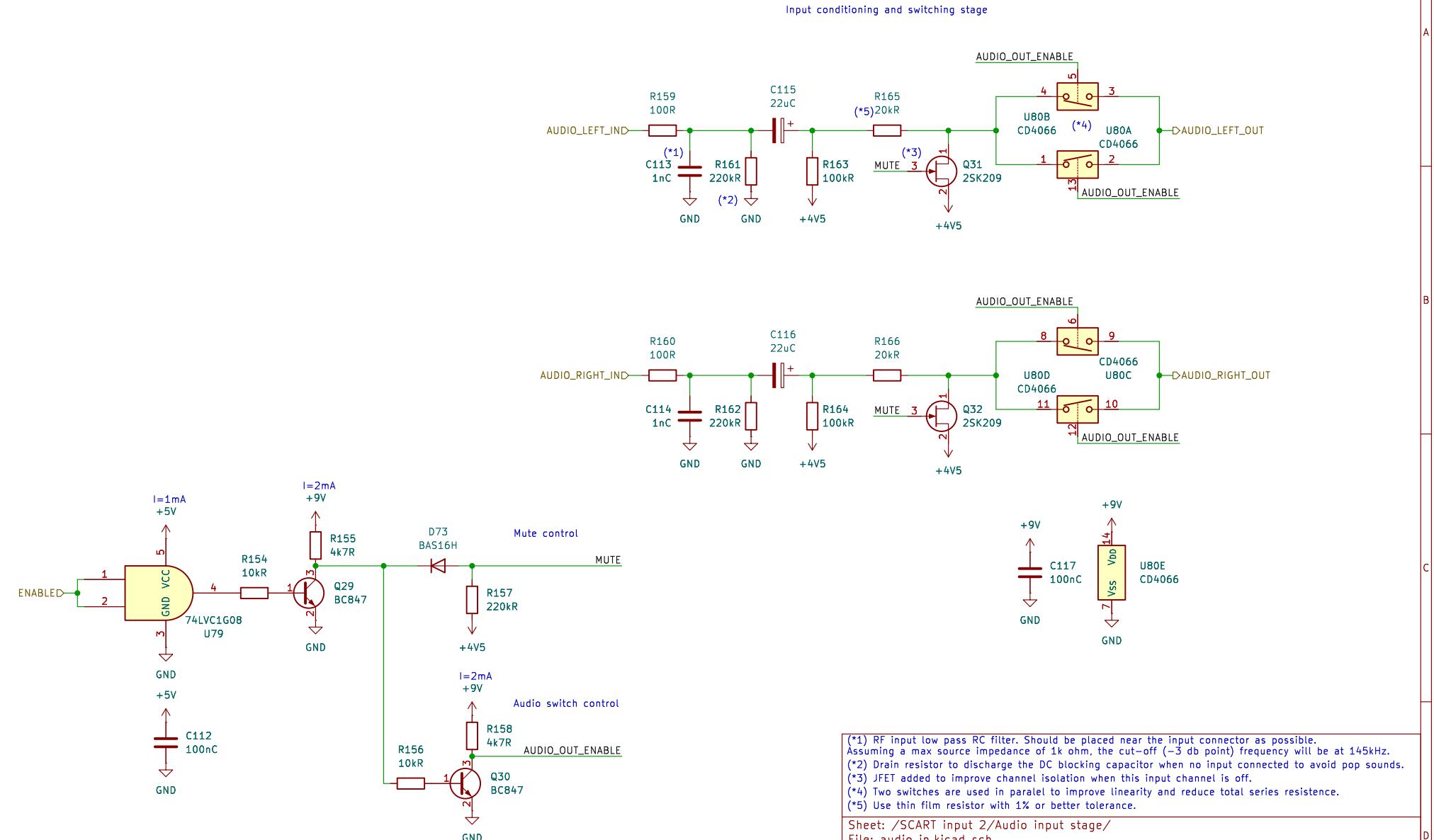
Rev:
Id: 33/30

1 2 3 4 5 6









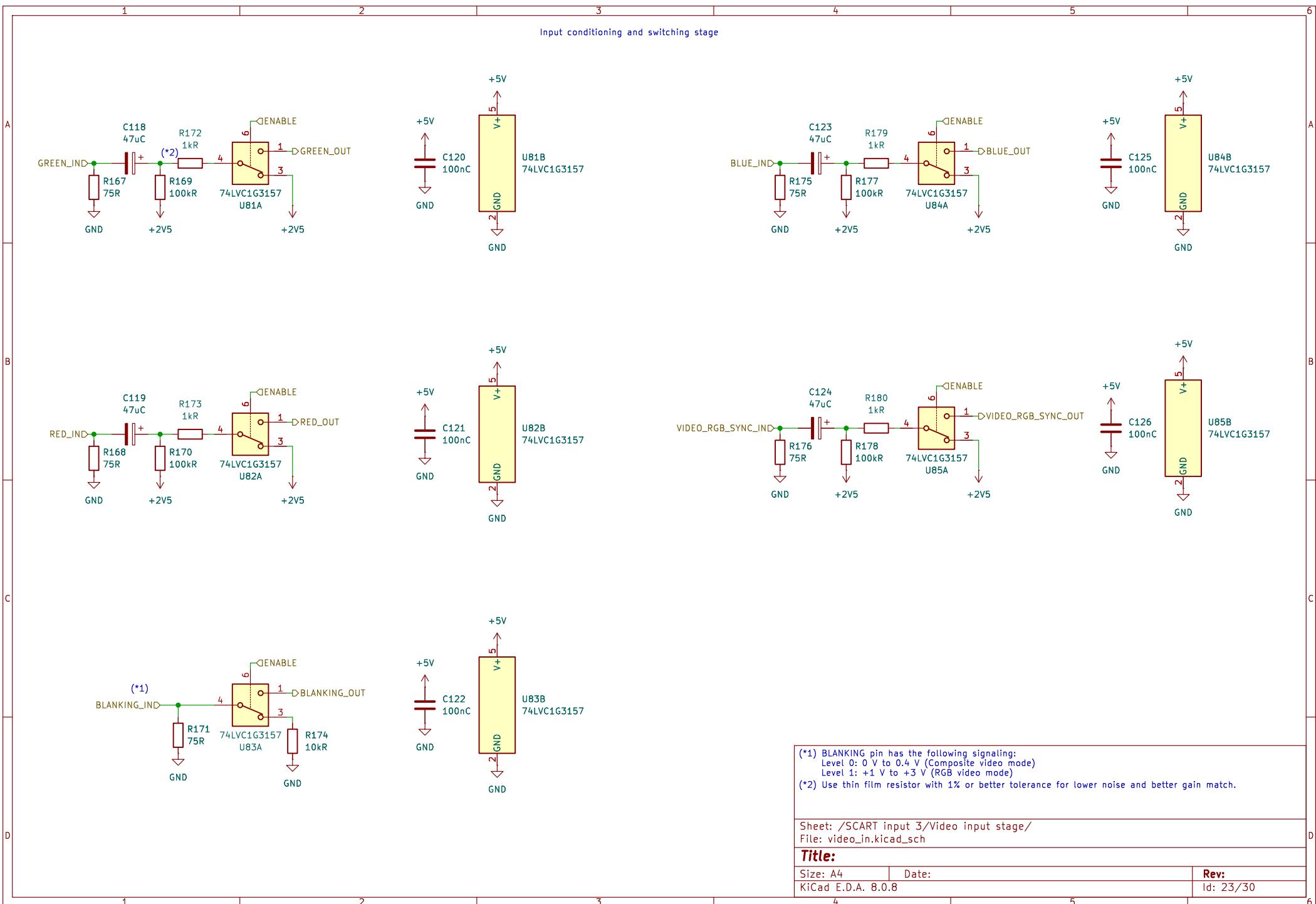
Title:

Size: A4 **Date:**

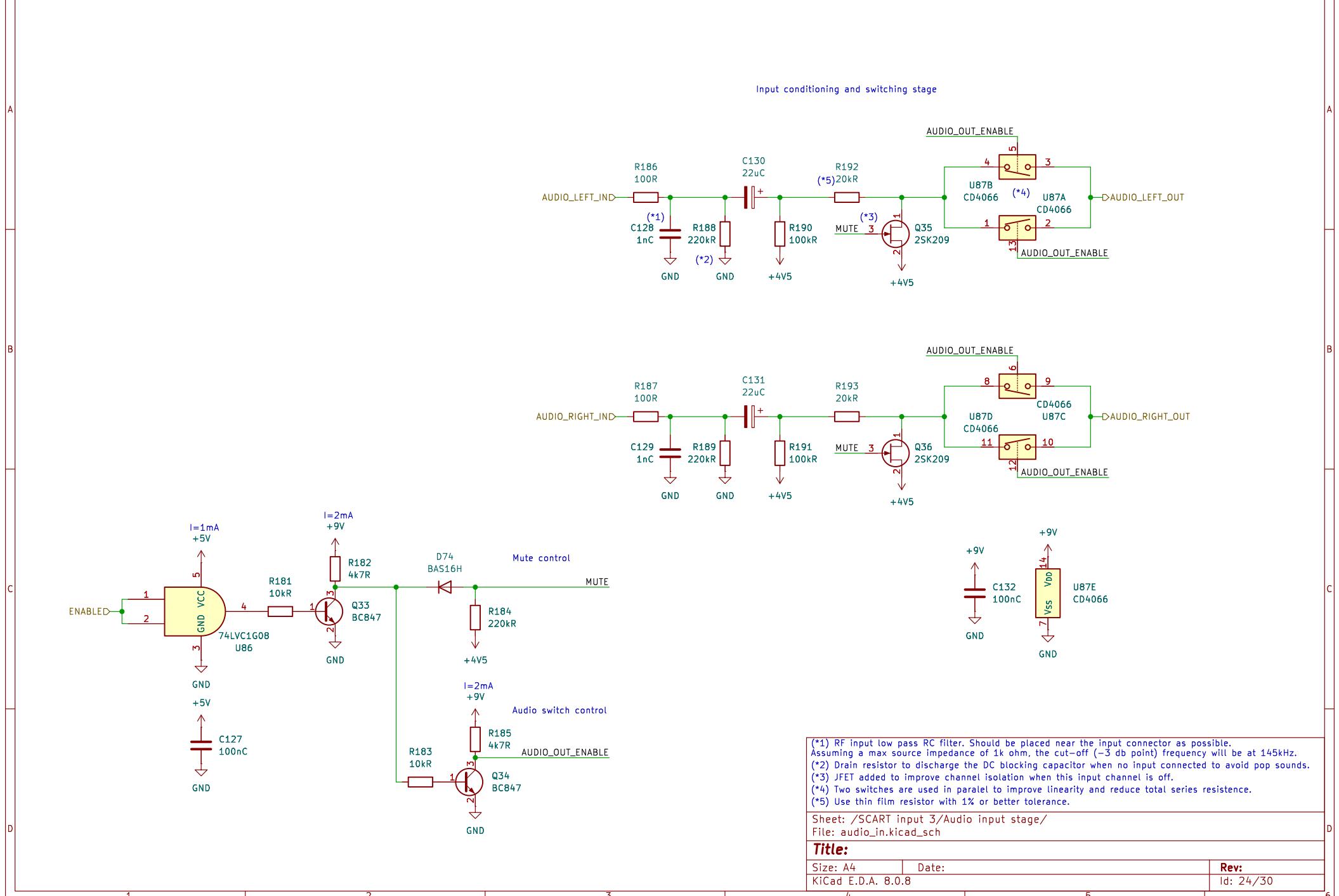
KiCad E.D.A. 8.0.8

Rev:

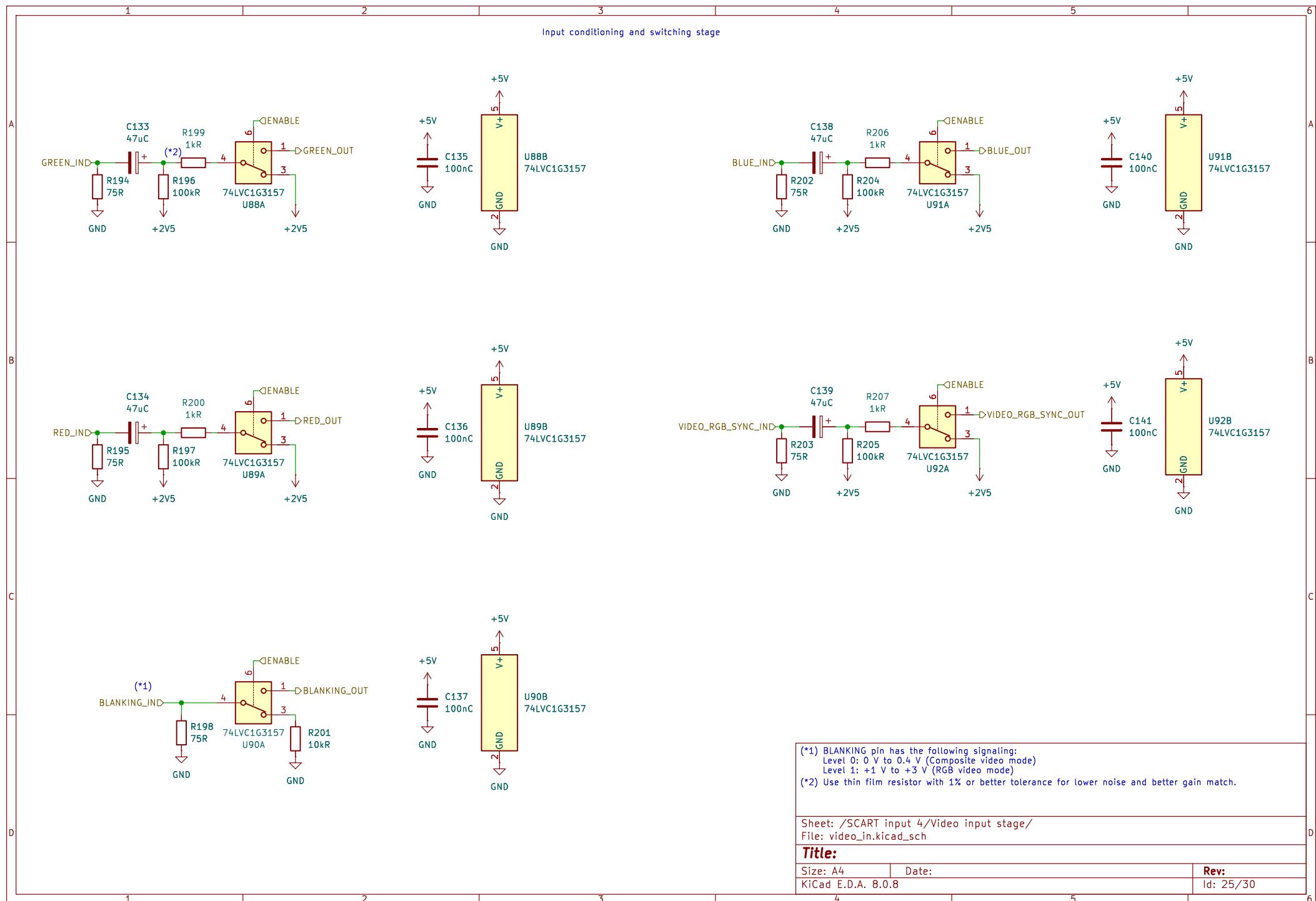
Id: 22/30



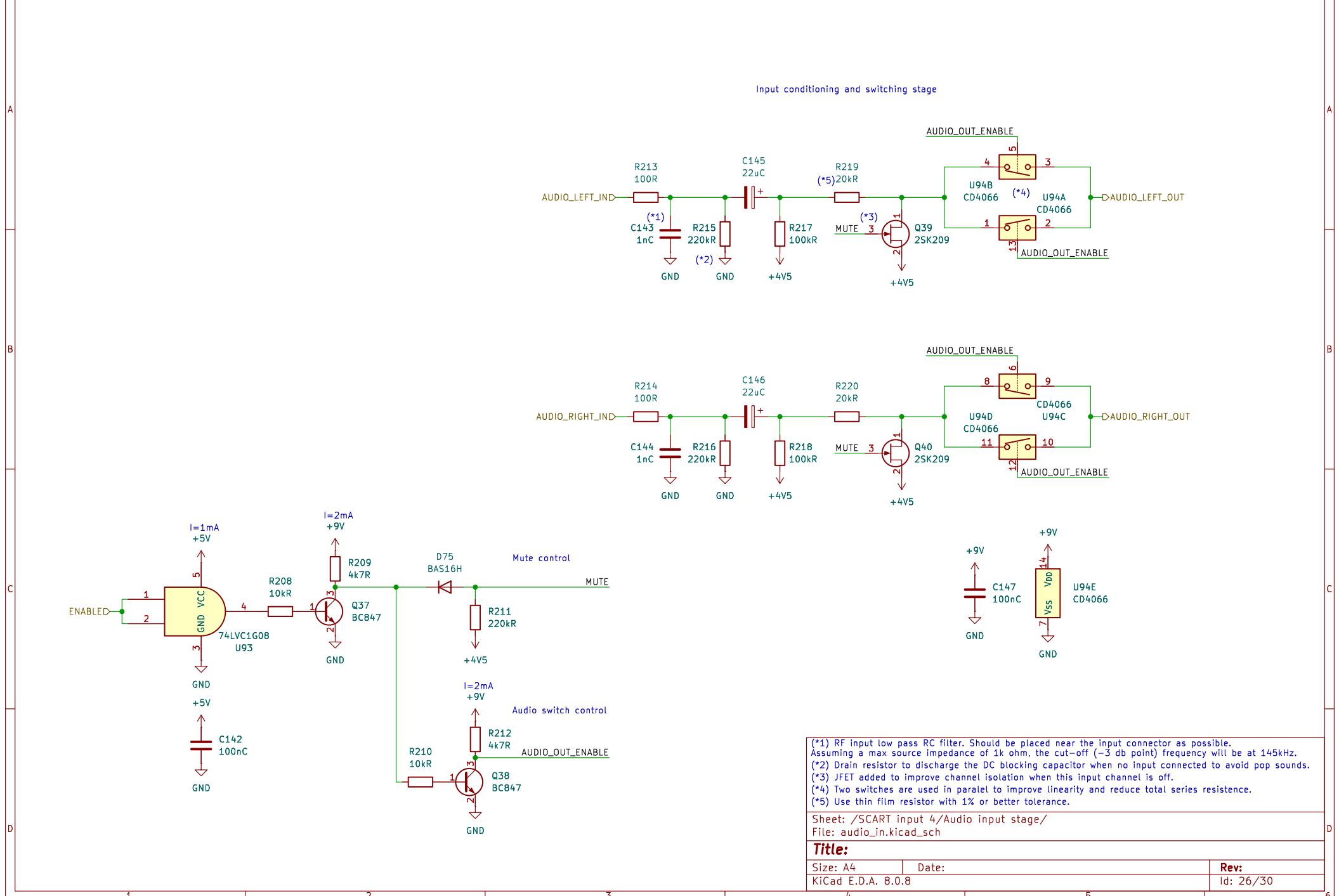
1 2 3 4 5 6



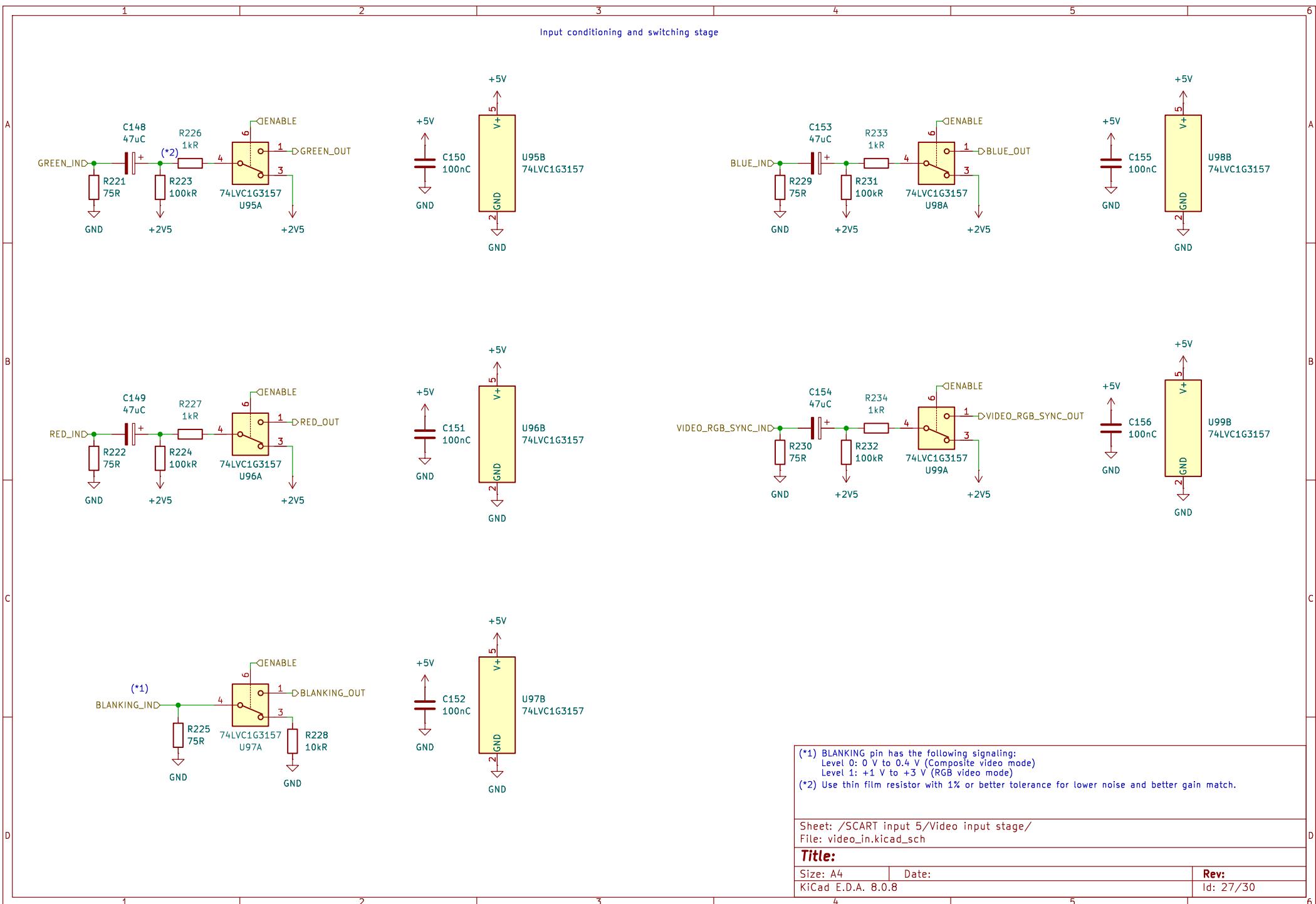
1 2 3 4 5 6

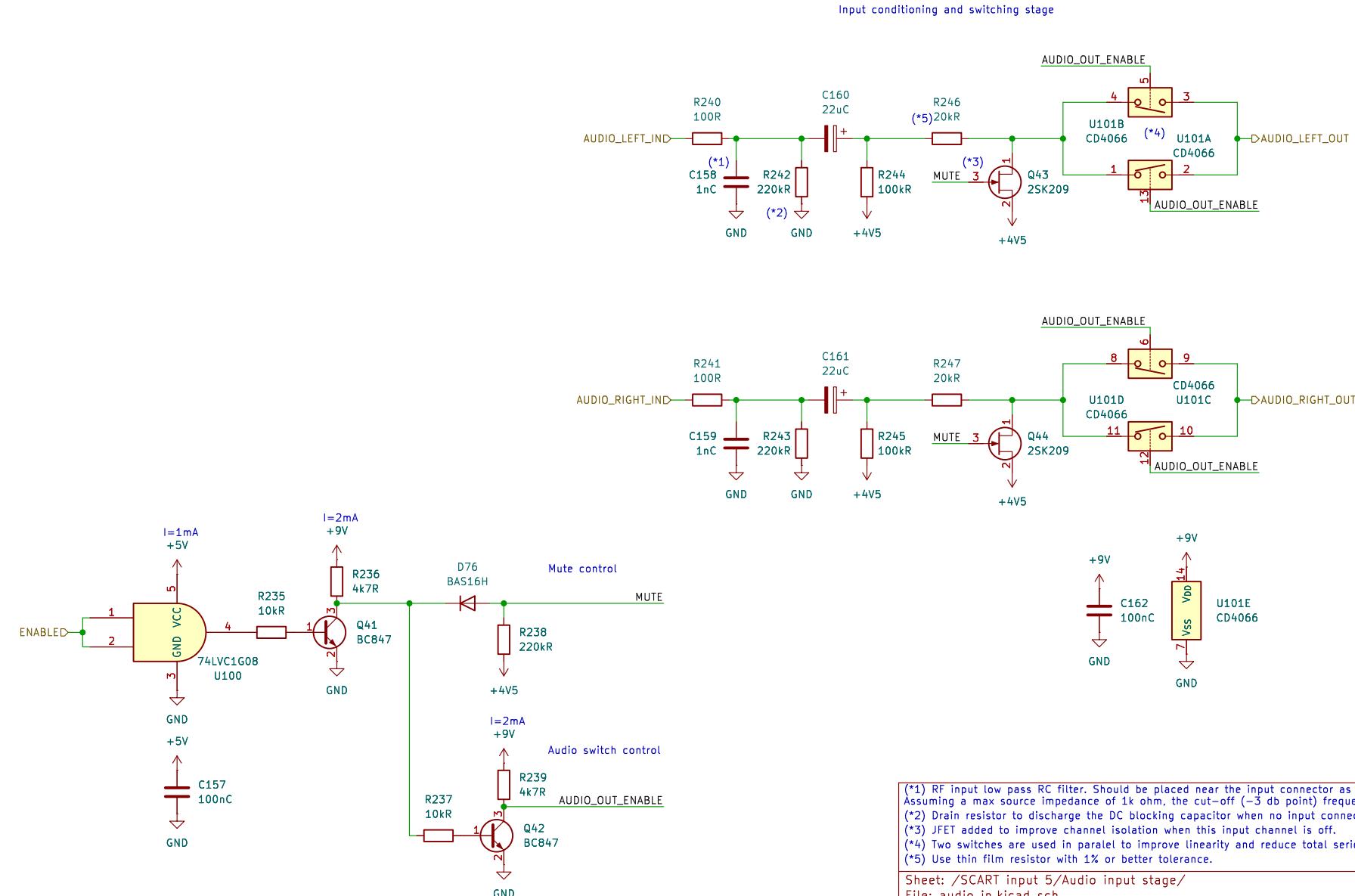


1 2 3 4 5 6



1 2 3 4 5 6





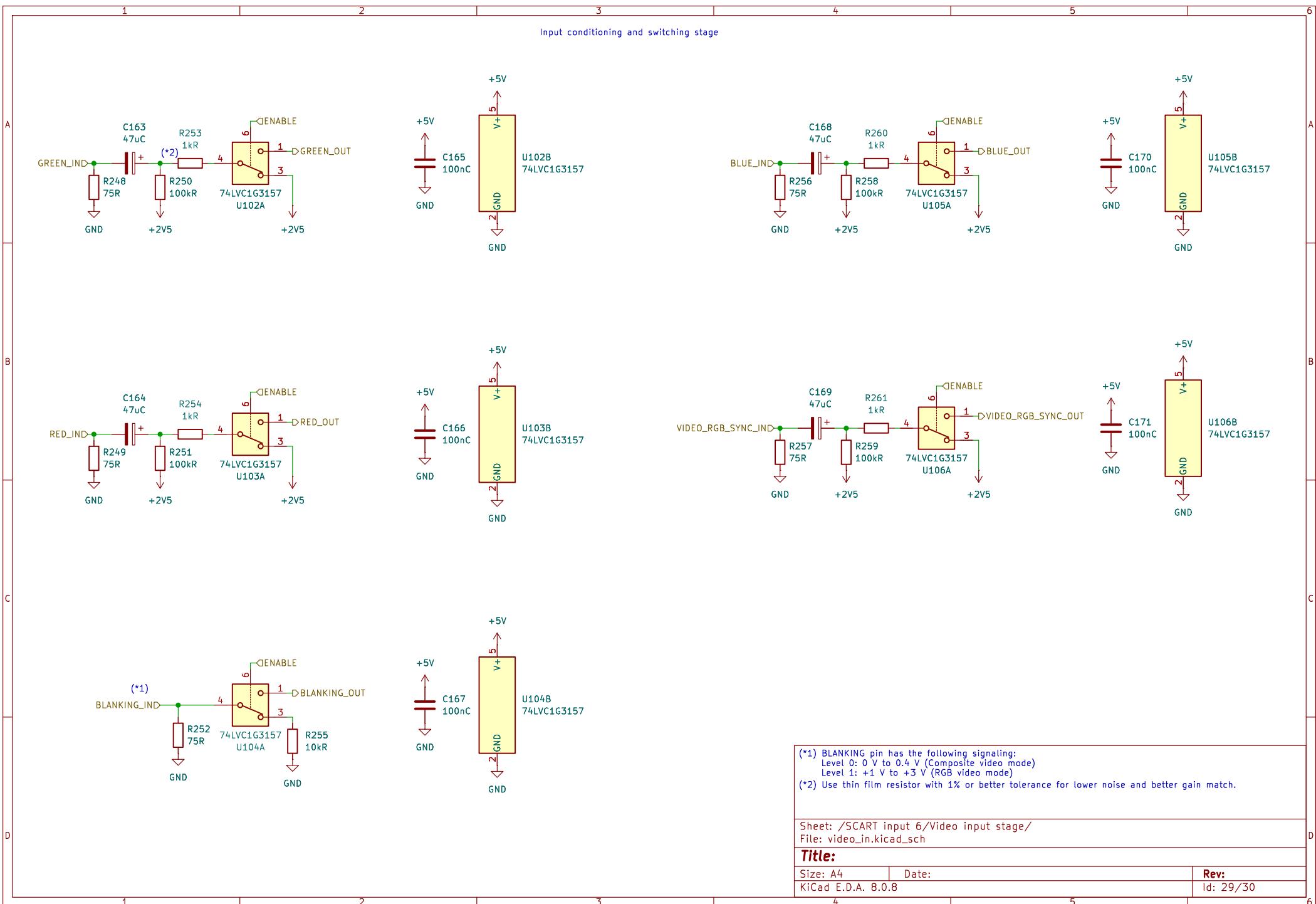
Title:

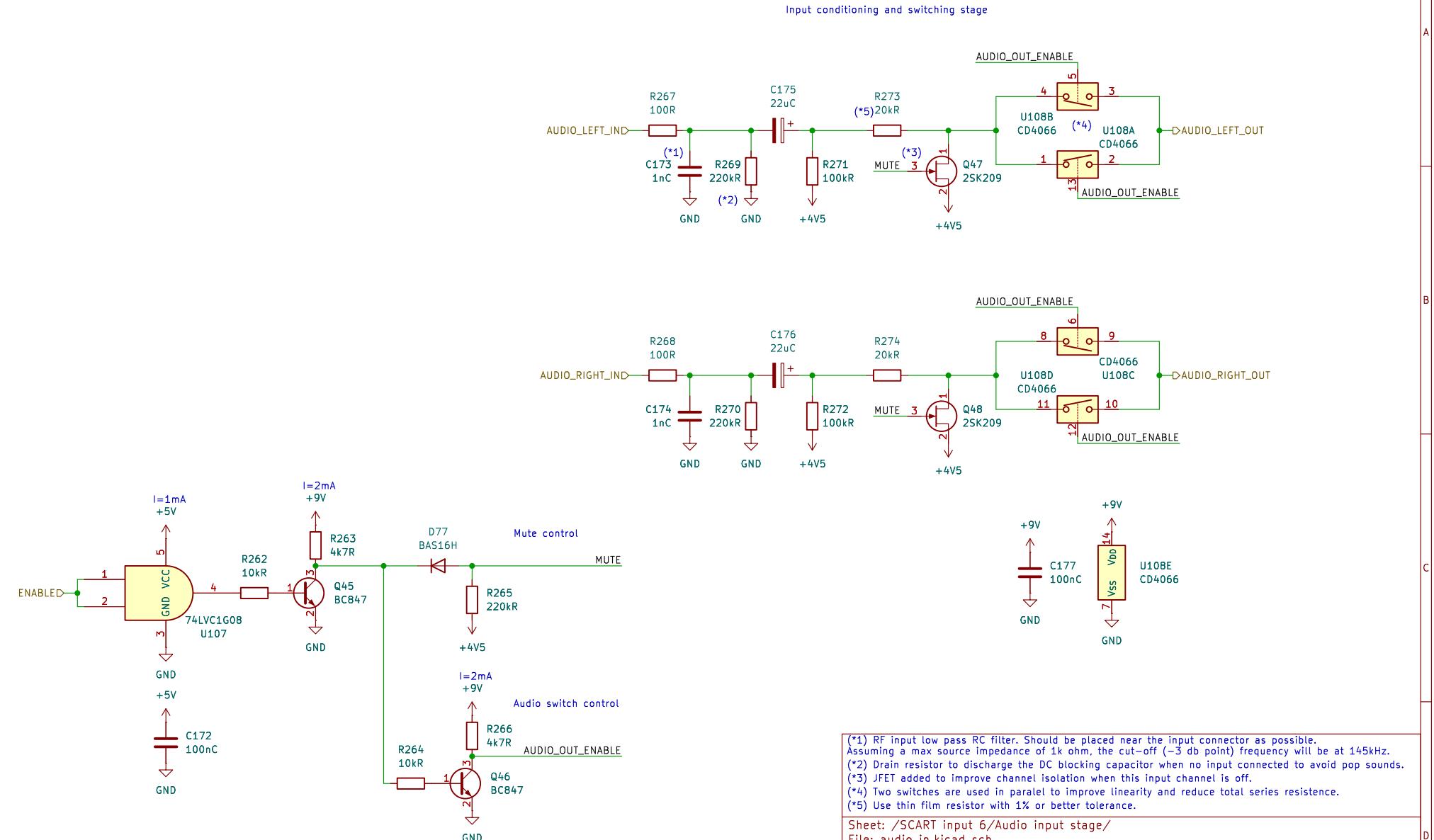
Size: A4 **Date:**

KiCad E.D.A. 8.0.8

Rev:

Id: 28/30





1 2 3 4 5 6

1 2 3 4 5 6