

VOLTAGES SUPPLY

P201 (Input Power Supply)

- 1- +VS
- 2- +VS
- 3- NC
- 4- GND
- 5- GND
- 6- +VA
- 7- +VA
- 8- GND
- 9- +5V
- 10- +5V

P201



FL201

FS201

C205
220uF/250V

C206
220uF/250V

C207
220uF/250V

C208
220uF/250V

C209

VS_B

C221
150uF/150V

VA

C203
330uF/25V

5V

P202

P202 (Output VA Supply)

- 1- GND
- 2- GND
- 3- GND
- 4- NC
- 5- +VA
- 6- +VA
- 7- +VA

VS Voltage supply
Author: Fábio Pereira da Silva

Sheet: /
File: y_board.kicad_sch

Title: Y BOARD LG PLASMA TV PANEL

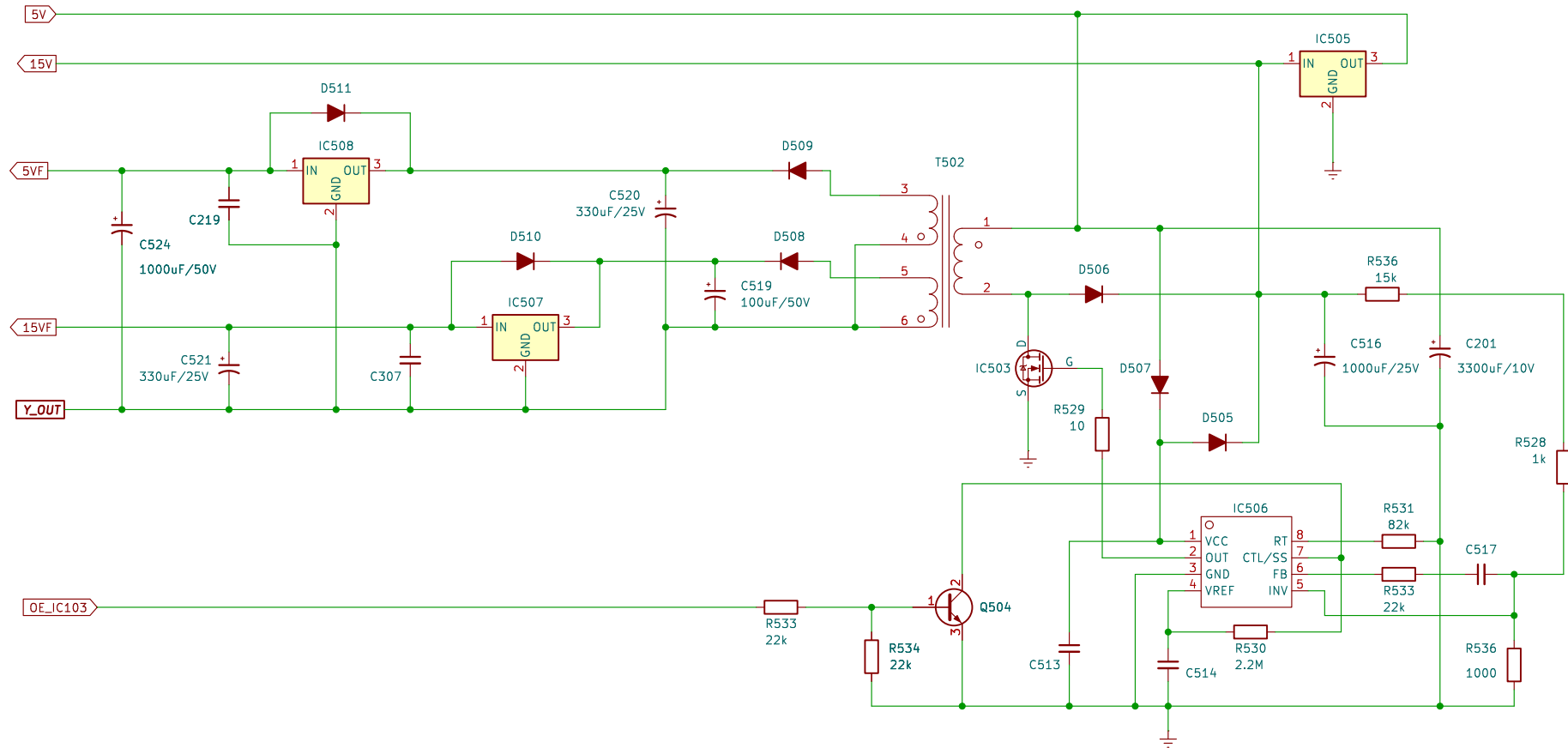
Size: A4 Date: 2025-03-24

KiCad E.D.A. 8.0.9

Rev: 1.0

Id: 1/10

5VF, 15VF and 15V Supply



5VF, 15VF and 15V Supply
Author: Fábio Pereira da Silva

Sheet: /5VF, 15VF 15v/
File: 5VF_15VF_15V.kicad_sch

Title: Y BOARD LG PLASMA TV PANEL

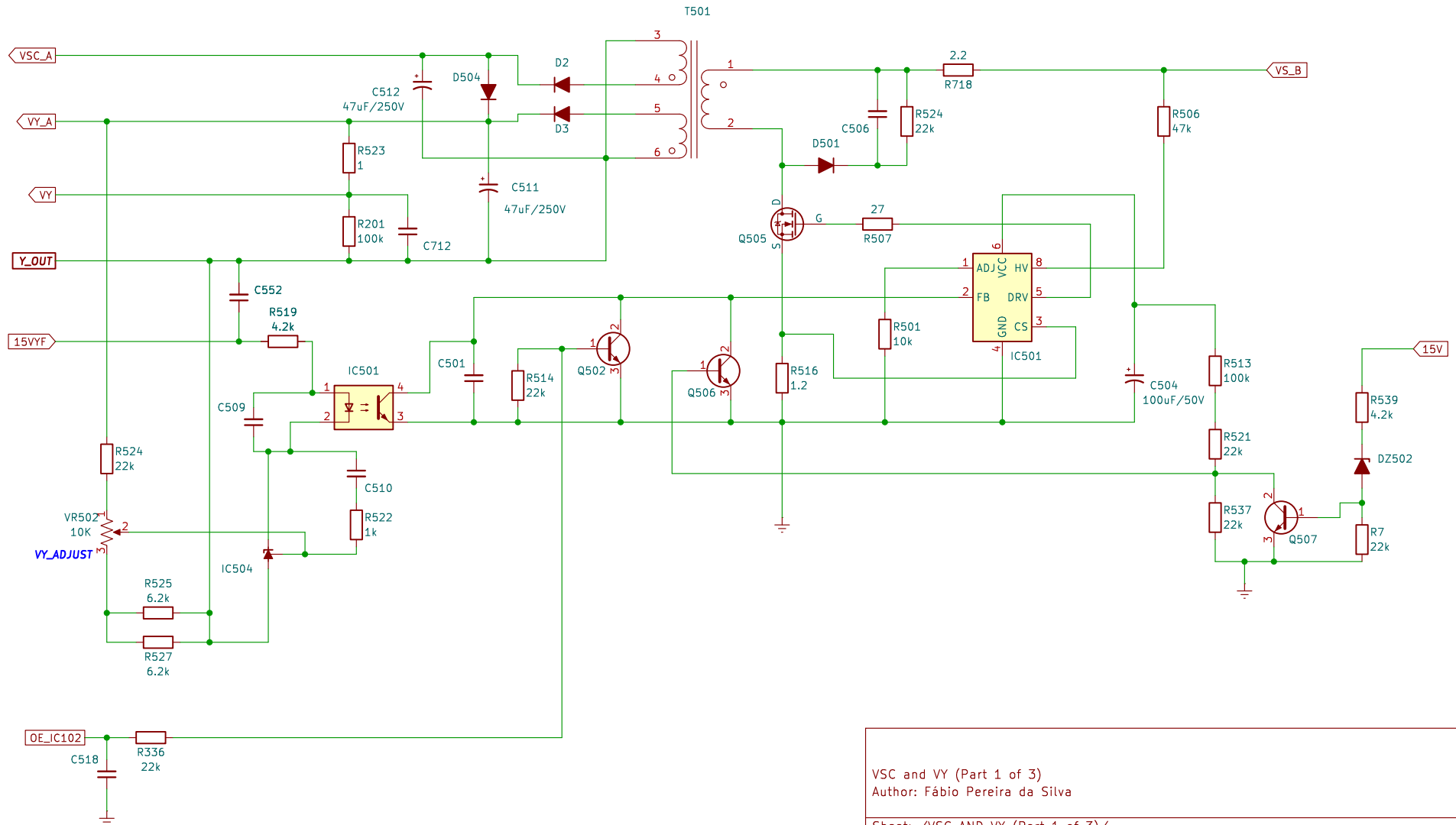
Size: A4 Date: 2025-03-24

KiCad E.D.A. 8.0.9

Rev: 1.0

Id: 2/10

VSC and VY (Part 1 of 3)



VSC and VY (Part 1 of 3)
Author: Fábio Pereira da Silva

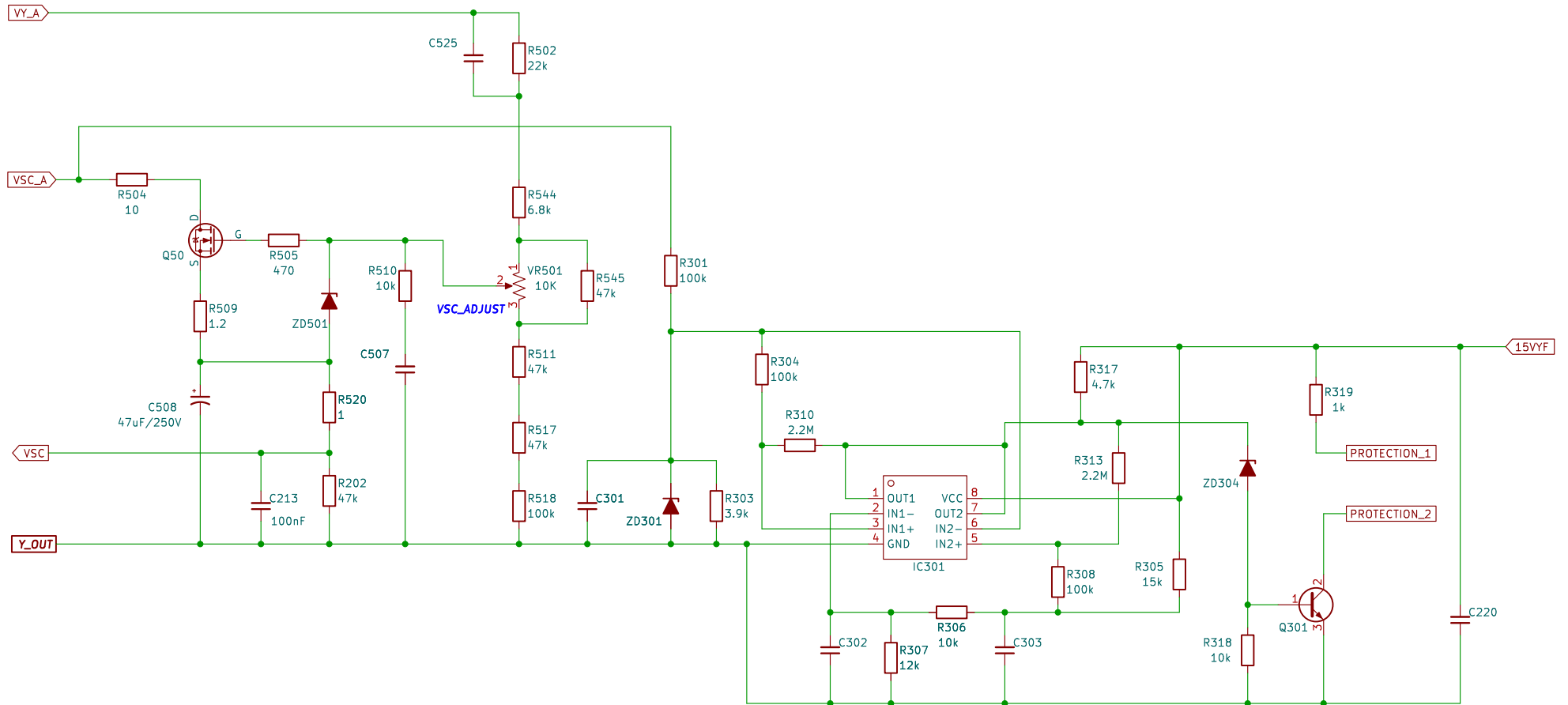
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File: vsc_and_vy.kicad_sch

Title: Y BOARD LG PLASMA TV PANEL

Size: A4 Date: 2025-03-24
KiCad E.D.A. 8.0.9

Rev: 1.0
Id: 3/10

VSC and VY (Part 2 of 3)



VSC and VY (Part 2 of 3)
Author: Fábio Pereira da Silva

Sheet: /VSC and VY (Part 2 of 3)/
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Title: Y BOARD LG PLASMA TV PANEL

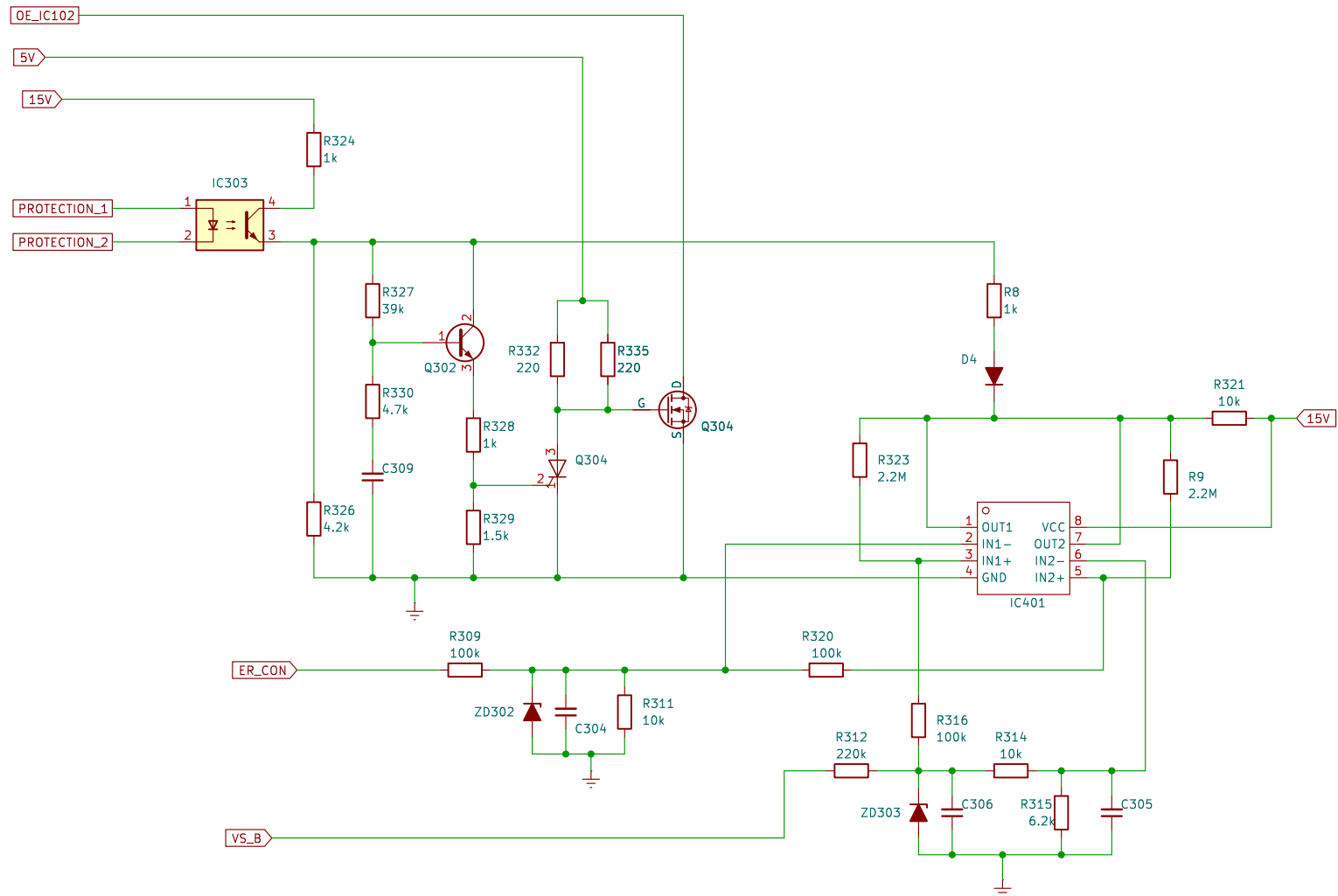
Size: A4
KiCad E.D.A. 8.0.9

Date: 2025-03-24

Rev: 1.0

Id: 4/10

VSC and VY (Part 3 of 3)



Author: Fábio Pereira da Silva

Sheet: /VSC and VY (Part 3 of 3)/
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Title: Y BOARD LG PLASMA TV PANEL

Size: A4

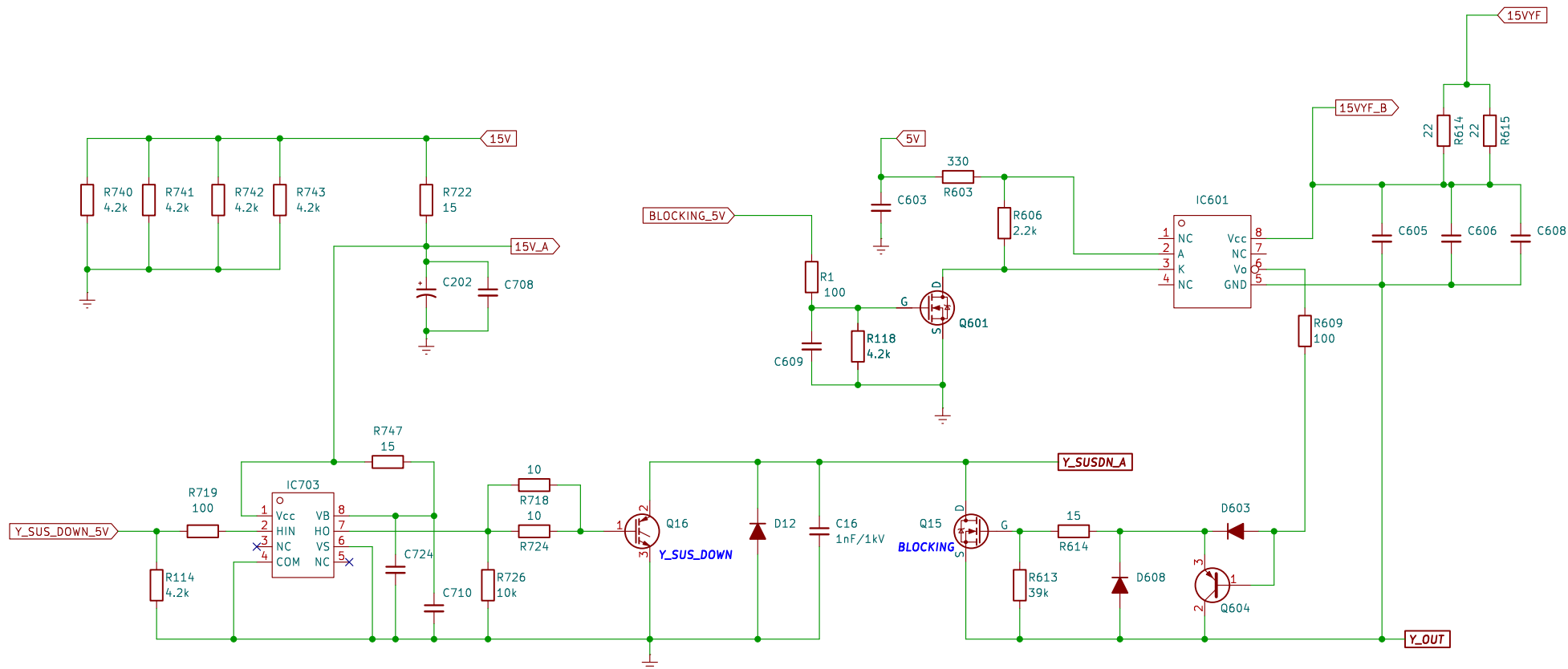
Date: 2025-03-24

Rev: 1.0

KiCad E.D.A. 8.0.9

Id: 5/10

Y BLOCKING AND Y SUS DOWN



Y_BLOCKING | Y_SUS_DOWN
 Author: Fábio Pereira da Silva

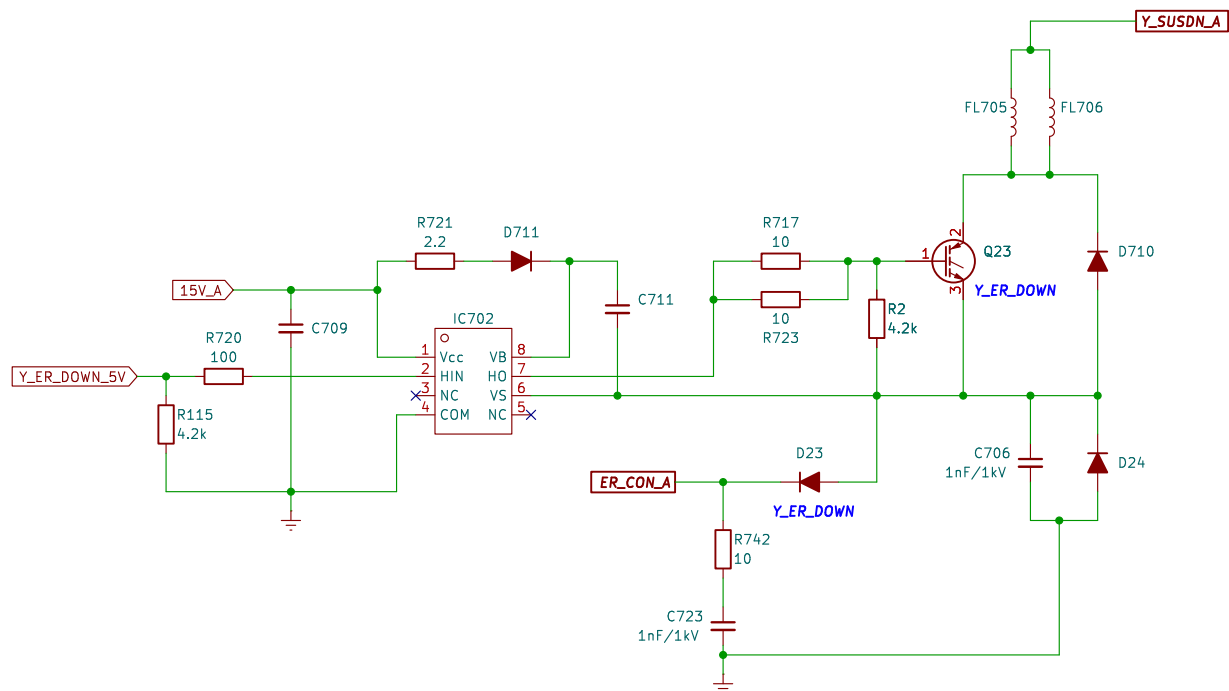
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Title: Y BOARD LG PLASMA TV PANEL

Size: A4 Date: 2025-03-24
 KiCad E.D.A. 8.0.9

Rev: 1.0
 Id: 6/10

Y ENERGY RECOVERY DOWN



Y ER DOWN
Author: Fábio Pereira da Silva

Sheet: /y_er_down/
File: y_er_down.kicad_sch

Title: Y BOARD LG PLASMA TV PANEL

Size: A4 Date: 2025-03-24
KiCad E.D.A. 8.0.9

Rev: 1.0
Id: 7/10

Y ENERGY RECOVERY UP AND Y SUS UP

Y ENERGY RECOVERY COIL

ER_CON_A

L703

ER_CON

C717

C720

FL702

FL701

D22

VS_B

C707

D21

Y_SUS_UP

Q13

Q12

Q11

R713

R708

R709

R711

R710

R714

D11

Y_OUT

15VVF_B

R730

R728

C704

C702

IC704

C1

B1

E1_E2

B2

R705

10k

R4

R5

R6

10k

Y_ER_UP

D701

5V

C701

R702

100

R120

4.2k

C713

Y_ER_UP_5V

IC701

1

2

3

4

5

6

7

8

16

15

14

13

12

11

10

9

Via

Vib

VDD1

GND1

DISABLE

NC

NC

NC

VDDB

Vob

GNDB

VDDA

Voa

GNDA

NC

NC

NC

VDD1

R704

10

C705

R703

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Q701

Q702

15VVF_C

R12

10k

Y_SUS_UP_5V

C714

R721

4.2k

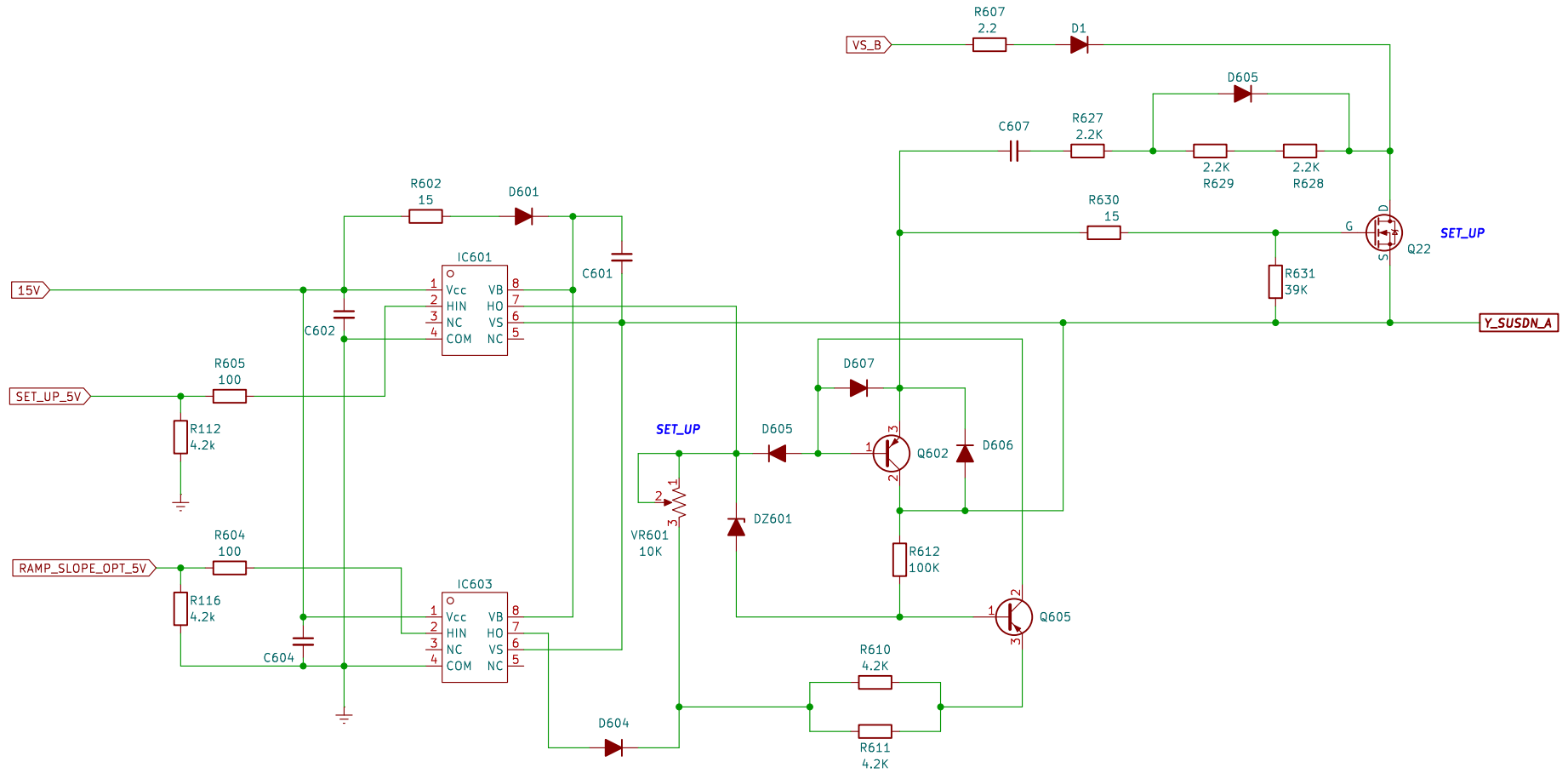
R701

100

Sheet: /y_er_up_and_sus_up/
File: y_er_up_and_sus_up.kicad_sch
Title: Y BOARD LG PLASMA TV PANEL
Size: A4 Date: 2025-03-24 Rev: 1.0
KiCad E.D.A. 8.0.9 Id: 8/10

Rev: 1.0
Id: 8/10

SET UP



Set Up
Author: Fábio Pereira da Silva

Sheet: /SetUp/
File: set_up.kicad_sch

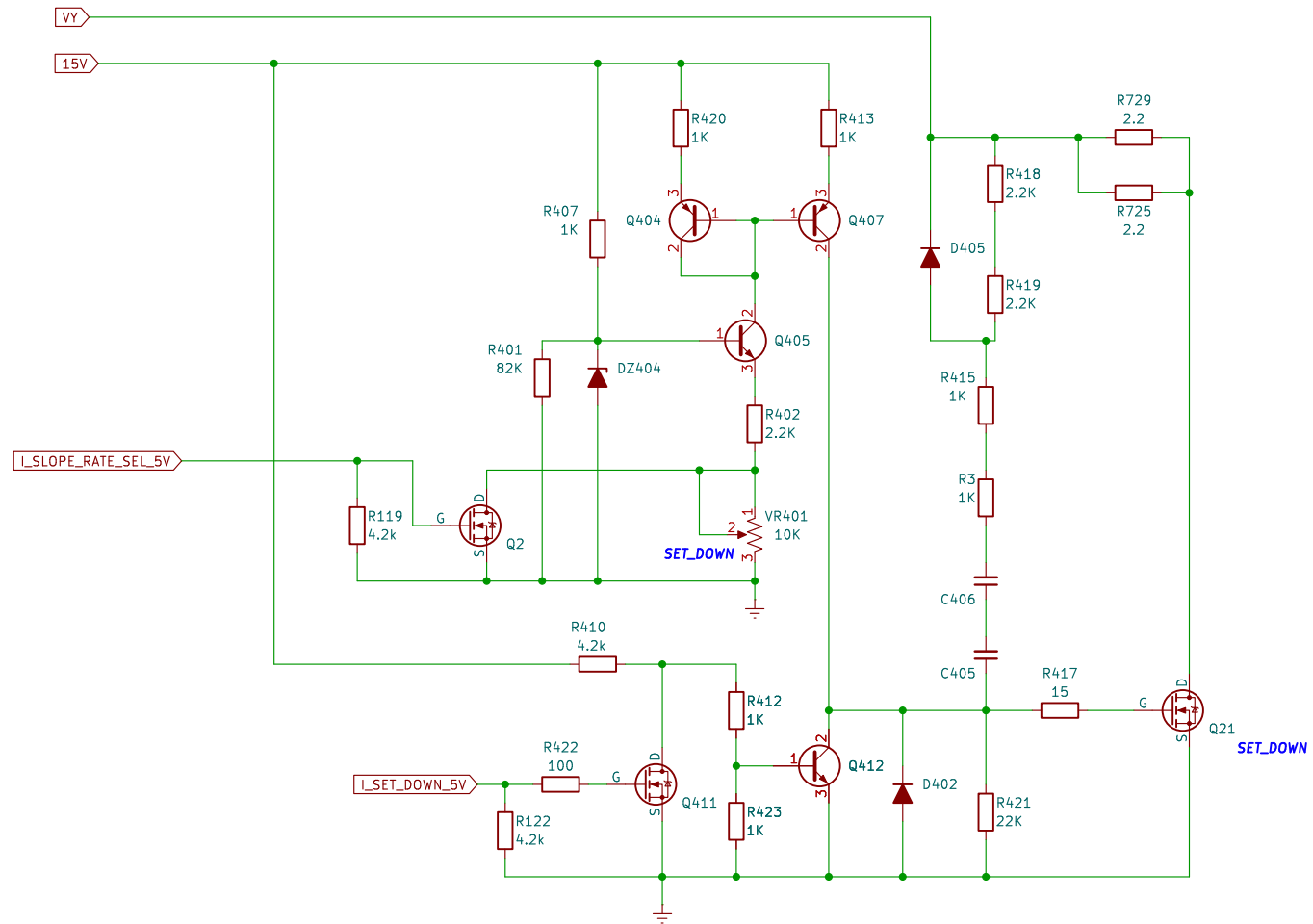
Title: Y BOARD LG PLASMA TV PANEL

Size: A4
Date: 2025-03-24

KiCad E.D.A. 8.0.9

Rev: 1.0
Id: 9/10

SET DOWN



Author: Fábio Pereira da Silva

Sheet: /SetDown/
File: set_down.kicad_sch

Title: Y BOARD LG PLASMA TV PANEL

Size: A4 Date: 2025-03-24
KiCad E.D.A. 8.0.9

Rev: 1.0
Id: 10/10