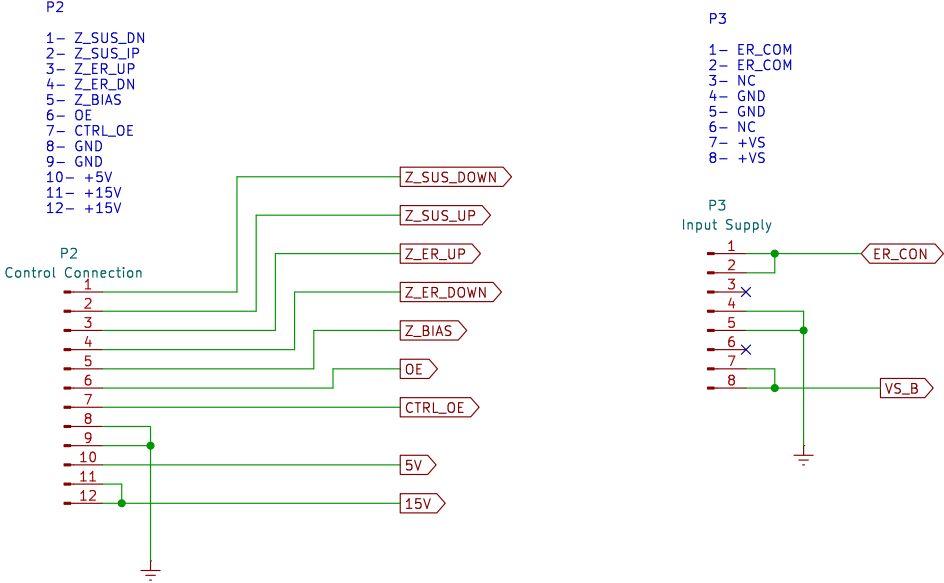


# INPUT CONNECTORS



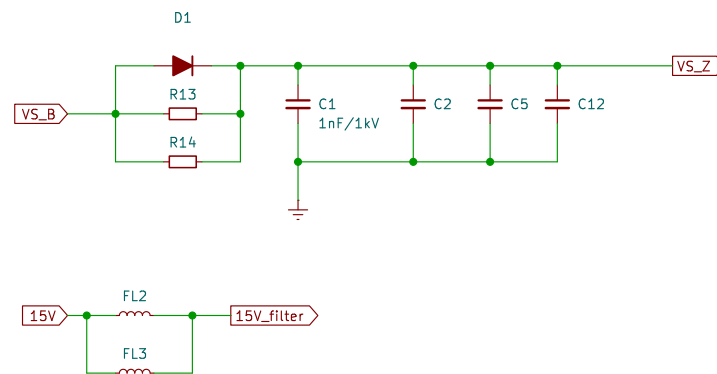
CONNECTIONS  
Author: Fábio Pereira da Silva

Sheet: /  
File: x\_board.kicad\_sch

**Title: X BOARD LG PLASMA TV PANEL**

Size: A4	Date: 2025-04-03	Rev: 1.0
KiCad E.D.A. 8.0.9		Id: 1/8

# Z POWER SUPPLY



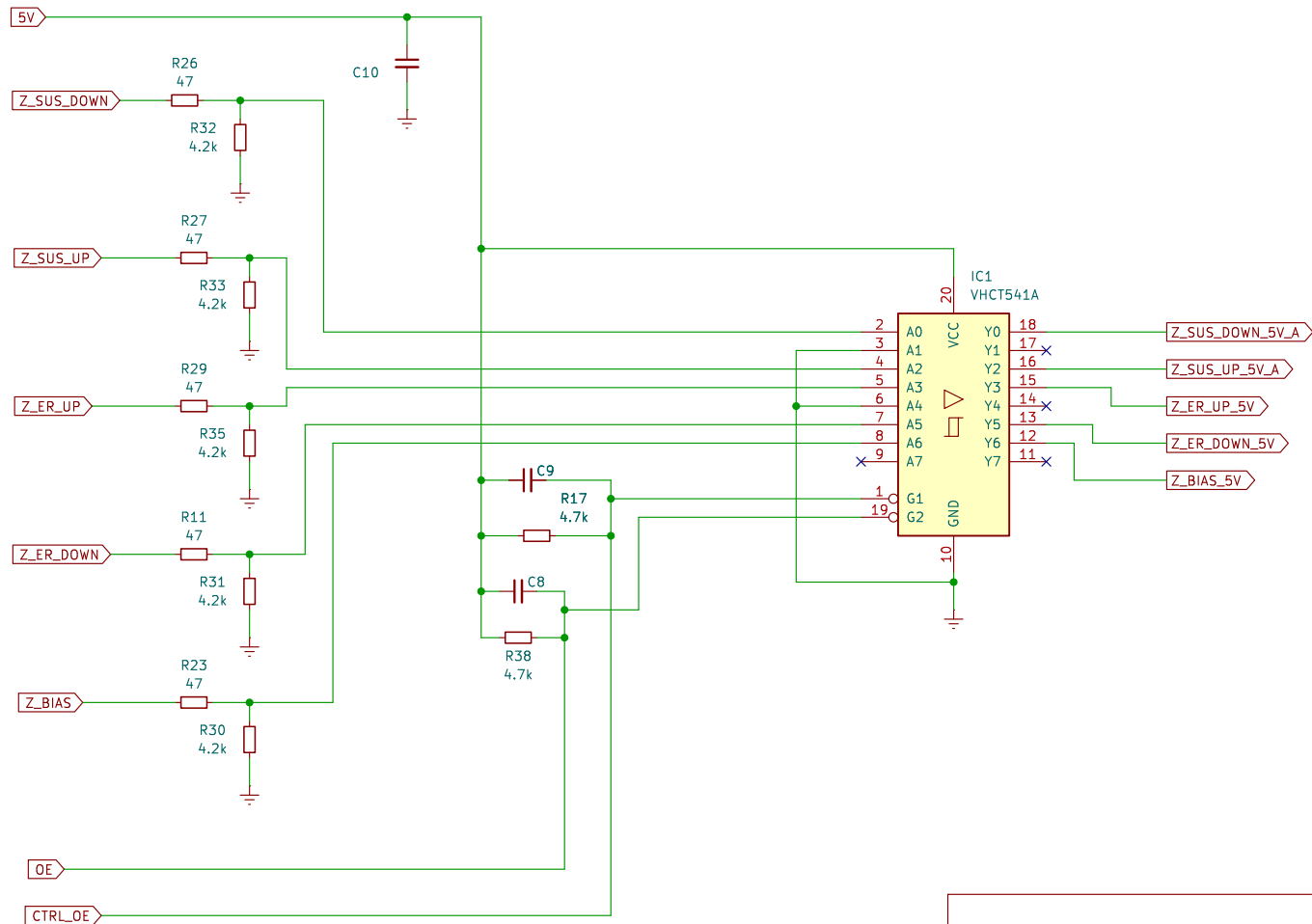
Z POWER SUPPLY  
Author: Fábio Pereira da Silva

Sheet: /Z POWER SUPPLY/  
File: z\_power\_supply.kicad\_sch

**Title: X BOARD LG PLASMA TV PANEL**

Size: A4	Date: 2025-04-03	Rev: 1.0
KiCad E.D.A. 8.0.9		Id: 2/8

# Z CONTROL



Z CONTROL  
Author: Fábio Pereira da Silva

Sheet: /Z\_CONTROL/  
File: z\_ctrl.kicad\_sch

**Title: X BOARD LG PLASMA TV PANEL**

Size: A4 Date: 2025-04-03  
KiCad E.D.A. 8.0.9

Rev: 1.0  
Id: 3/8

# Z PROTECTION

5V

Z\_SUS\_UP\_5V\_A

R8 10k

R315 100

Z\_SUS\_DOWN\_5V\_A

R7 10k

R314 100

IC31

14 VCC

13 B4

12 A4

11 Y4

10 B3

9 A3

8 Y3

7 GND

VHC08

R317 470

R318 470

Q50

C165

C180 1000uF/25V

Z\_SUS\_UP\_5V

Z\_SUS\_DOWN\_5V

R312 100

R313 100

Z PROTECTION		
Author: Fábio Pereira da Silva		
Sheet: /Z_PROTECTION/		
File: z_protection.kicad_sch		
<b>Title: X BOARD LG PLASMA TV PANEL</b>		
Size: A4	Date: 2025-04-03	Rev: 1.0
KiCad E.D.A. 8.0.9	Id: 4/8	

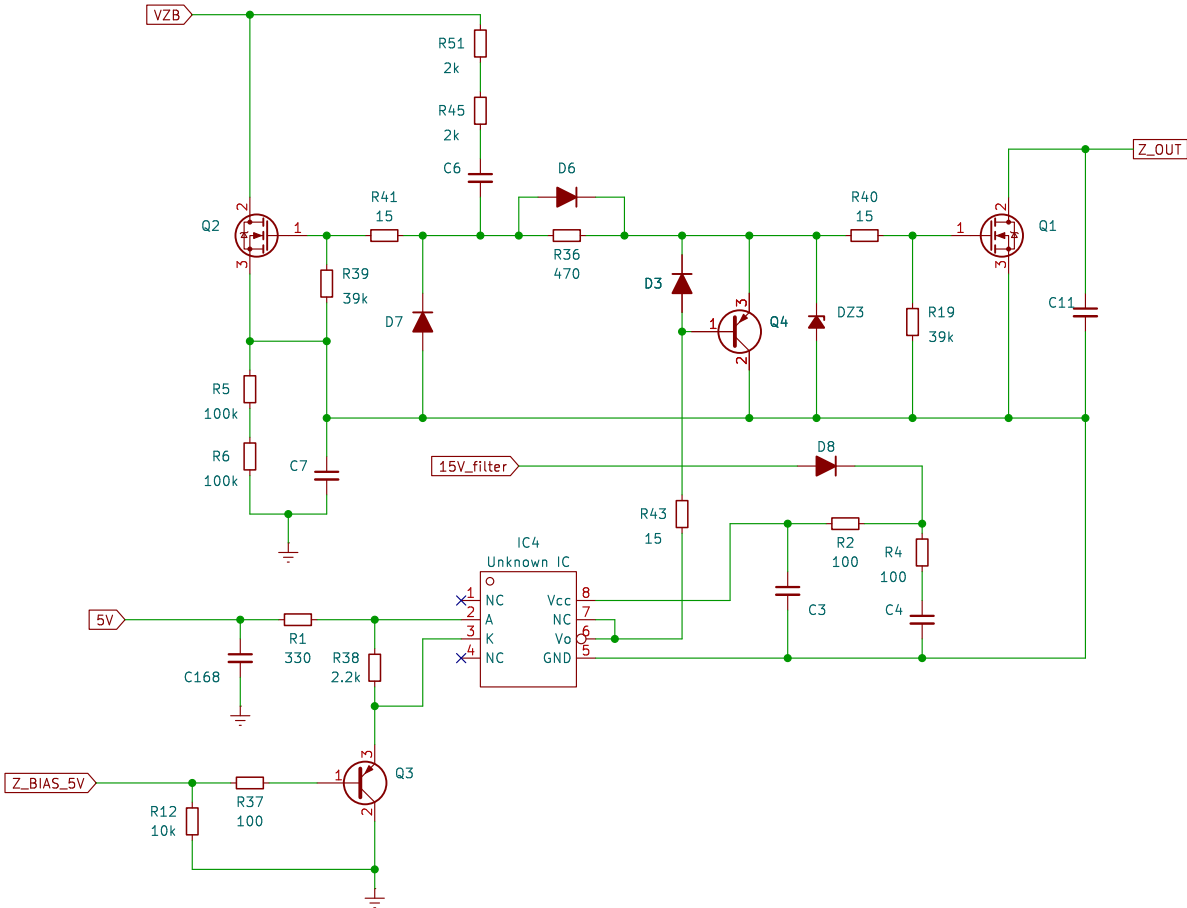
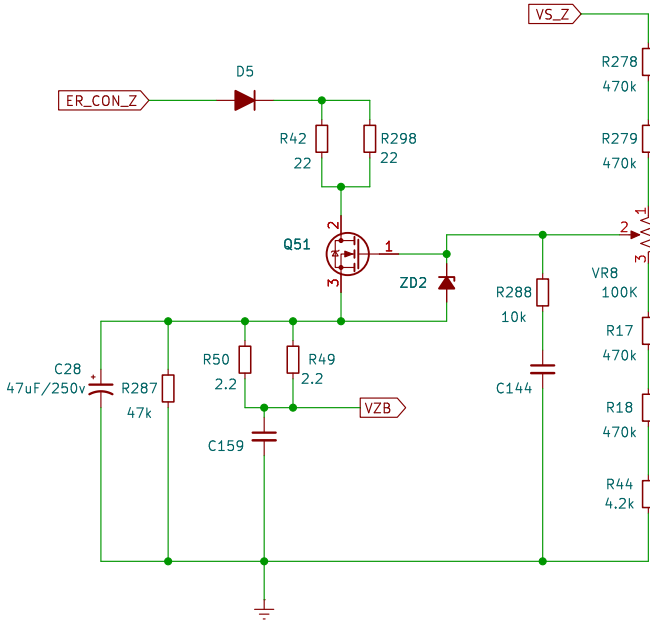
Author: Fábio Pereira da Silva

File: z\_protection.kicad\_sch

Date: 2025-04-03

Id: 4/8

VZB



VZB  
Author: Fábio Pereira da Silva

Sheet: /VZB/  
File: vzb.kicad\_sch

**Title: X BOARD LG PLASMA TV PANEL**

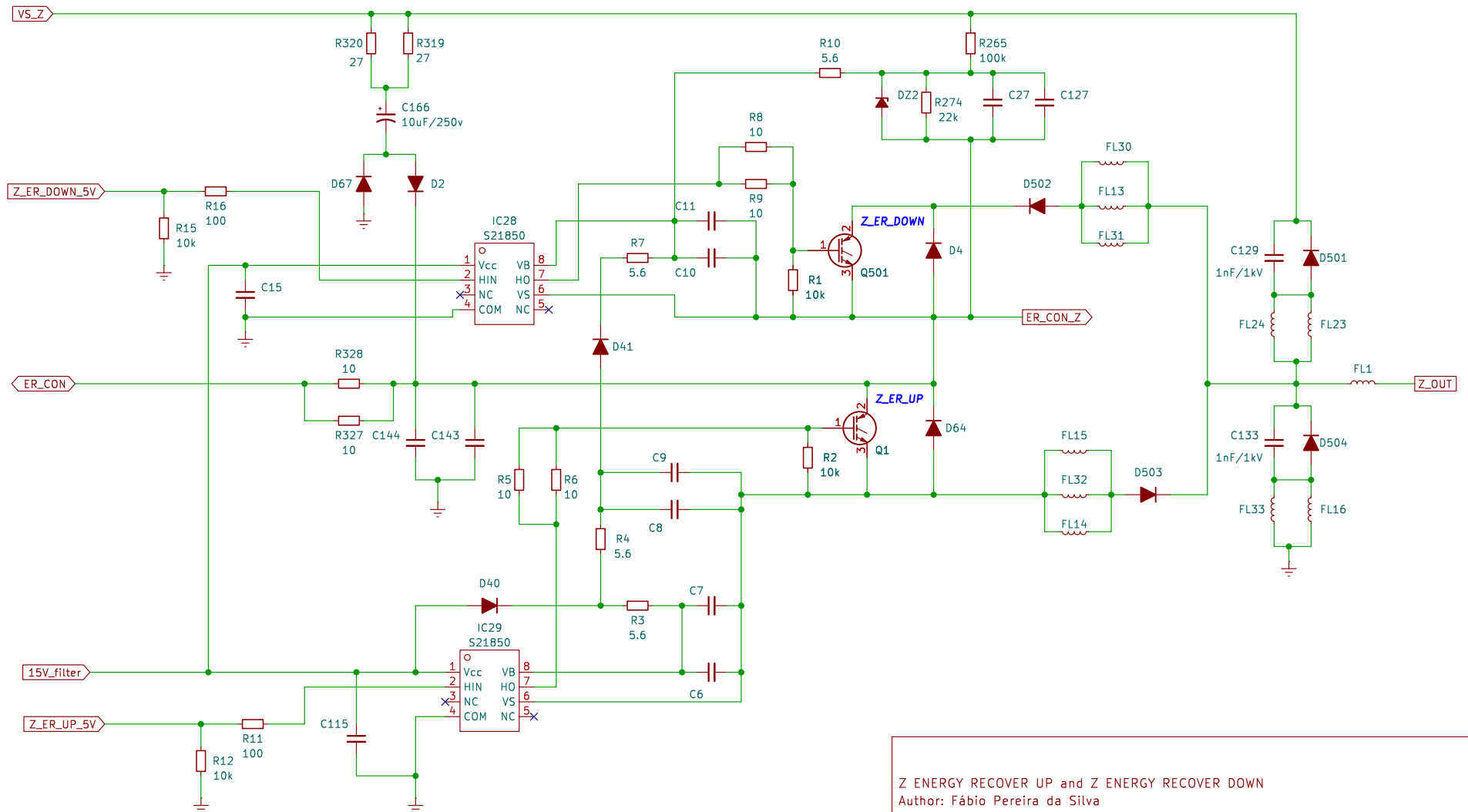
Size: A4	Date: 2025-04-03
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Rev: 1.0

Size: A1	
KiCad E.D.A. 8.0.9	

Id: 5/8

# Z ENERGY RECOVER UP and Z ENERGY RECOVER DOWN



Z ENERGY RECOVER UP and Z ENERGY RECOVER DOWN  
 Author: Fábio Pereira da Silva

Sheet: /Z\_ER\_UP\_AND\_Z\_ER\_DOWN/  
 File: z\_er\_up\_and\_z\_er\_dn.kicad\_sch

**Title: X BOARD LG PLASMA TV PANEL**

Size: A4

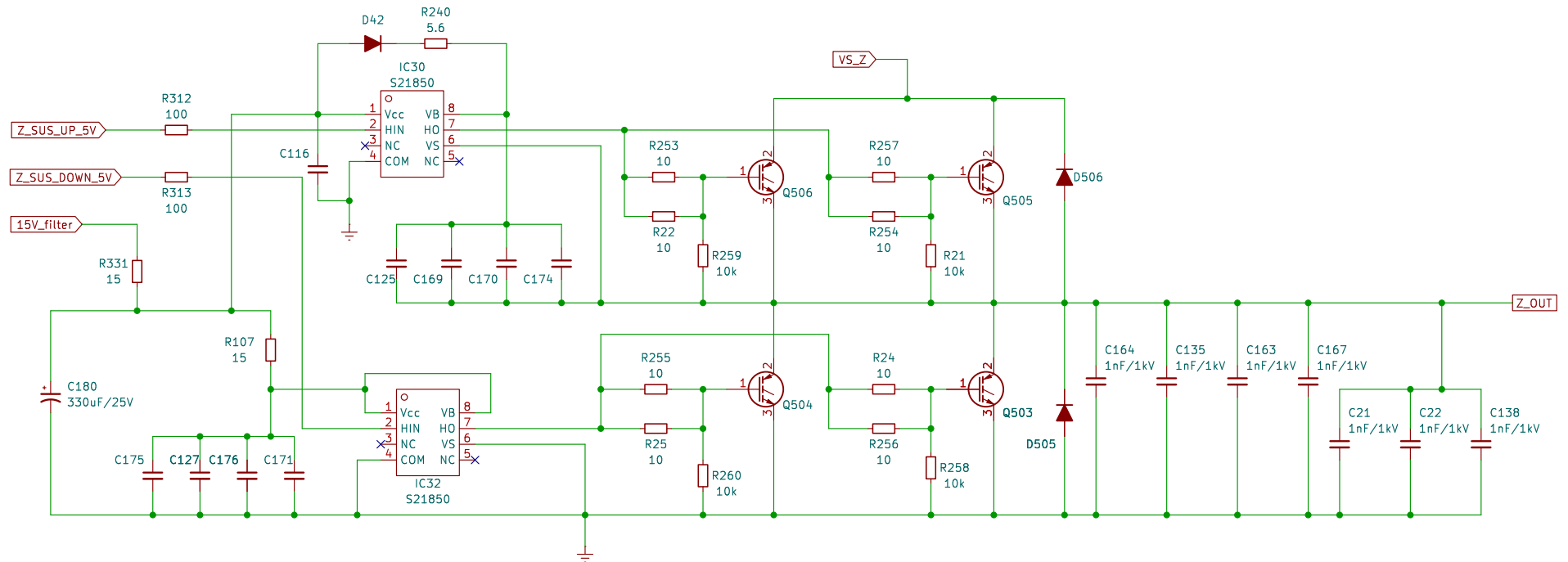
Date: 2025-04-03

Rev: 1.0

KiCad E.D.A. 8.0.9

Id: 6/8

# Z SUS UP and Z SUS DOWN



Z SUS UP AND Z SUS DOWN  
Author: Fábio Pereira da Silva

Sheet: /Z SUS UP AND Z SUS DOWN/  
File: z\_sus\_up\_and\_z\_sus\_dn.kicad\_sch

**Title: X BOARD LG PLASMA TV PANEL**

Size: A4

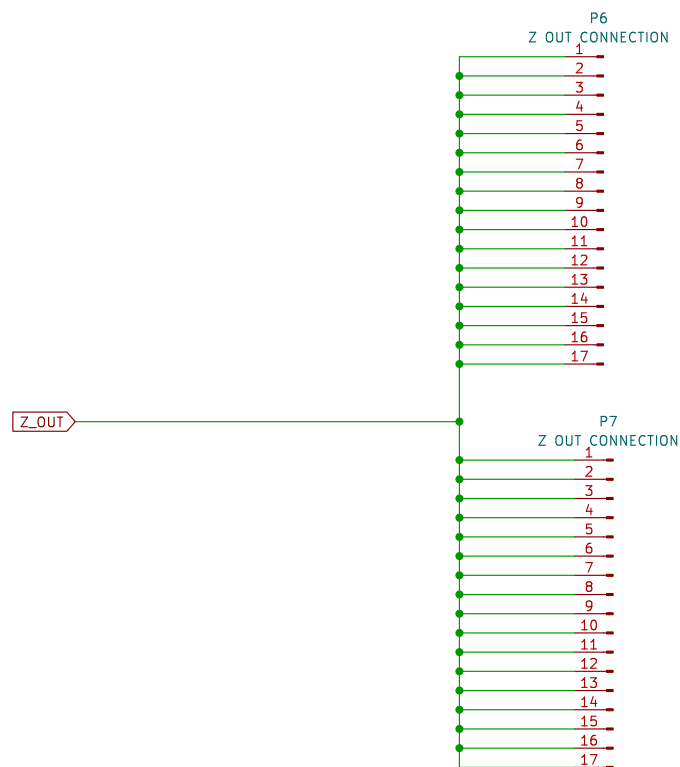
Date: 2025-04-03

Rev: 1.0

KiCad E.D.A. 8.0.9

Id: 7/8

# Z OUT CONNECTORS



Z OUT CONNECTIONS  
Author: Fábio Pereira da Silva

Sheet: /Z\_OUT\_CONNECTIONS/  
File: z\_out\_conn.kicad\_sch

**Title: X BOARD LG PLASMA TV PANEL**

Size: A4	Date: 2025-04-03	Rev: 1.0
KiCad E.D.A. 8.0.9		Id: 8/8