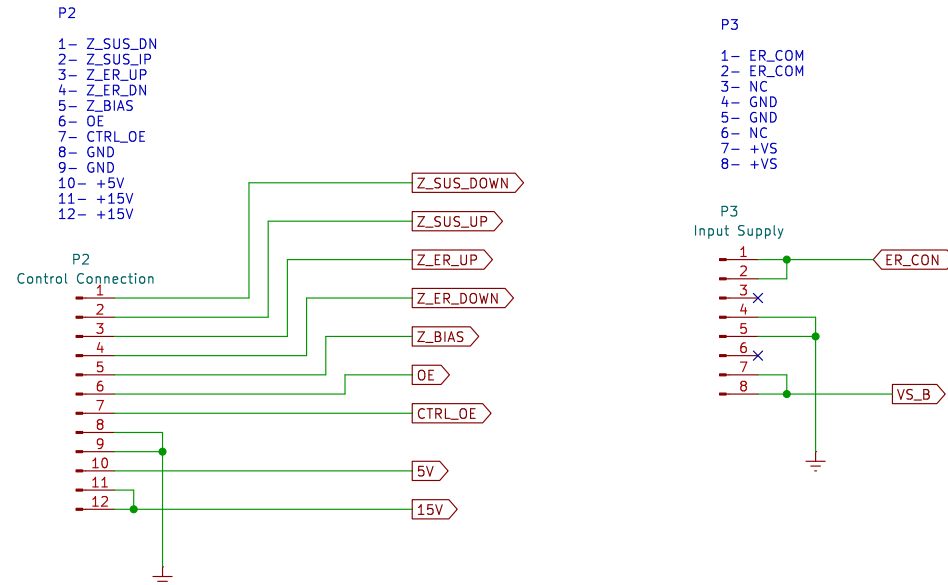


# INPUT CONNECTORS



## CONNECTIONS

Author: Fábio Pereira da Silva

Sheet: /

File: x\_board.kicad\_sch

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

Size: A4

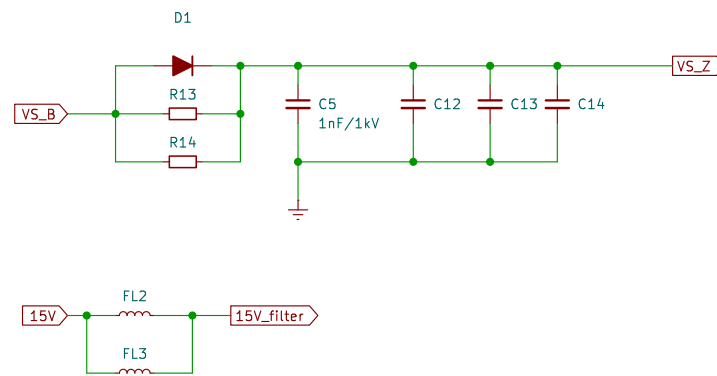
Date: 2025-04-03

Rev: 1.0

KiCad E.D.A. 8.0.9

Id: 1/11

# Z POWER SUPPLY



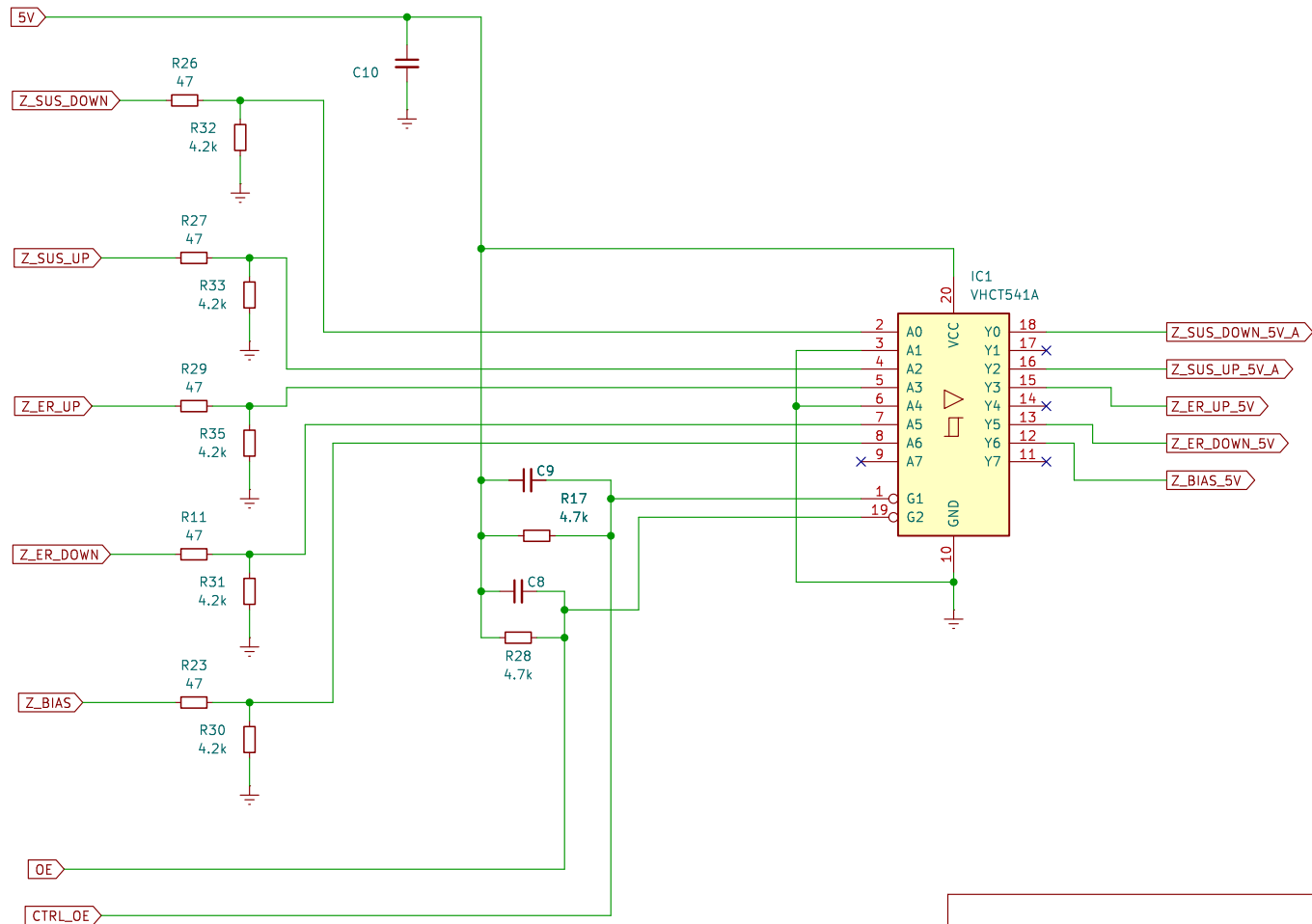
Z POWER SUPPLY  
Author: Fábio Pereira da Silva

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: 2/11

# Z CONTROL



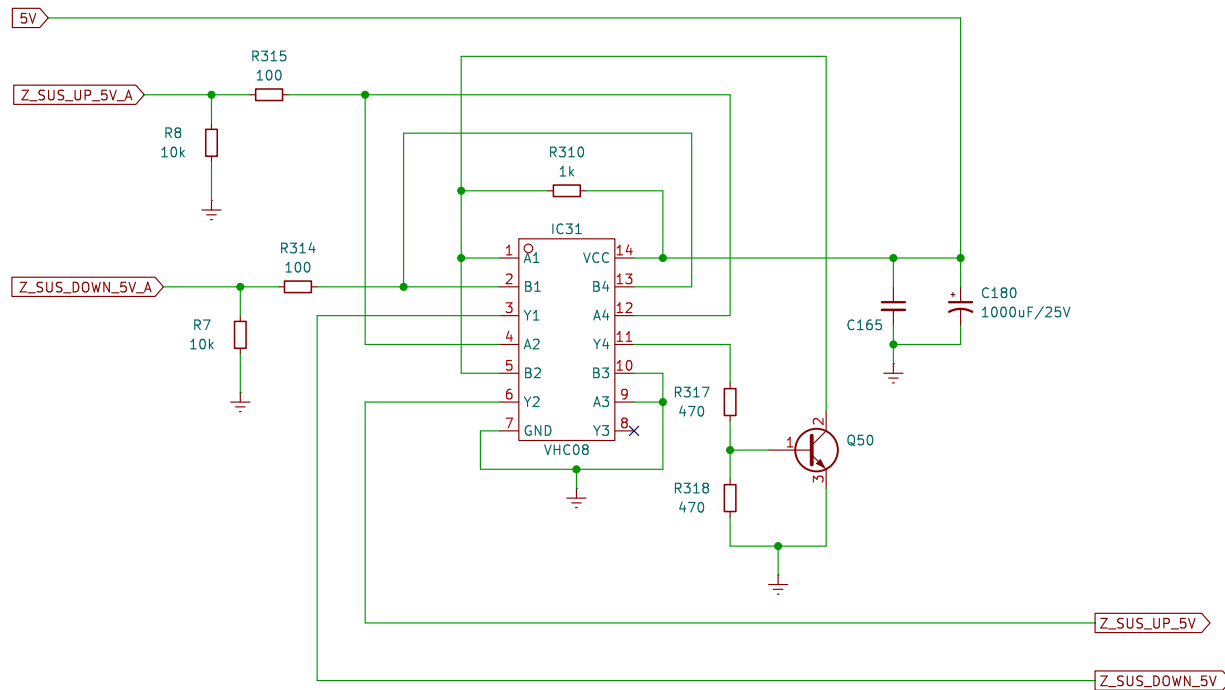
Z CONTROL  
Author: Fábio Pereira da Silva

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

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

Size: A4	Date: 2025-04-03	Rev: 1.0
KiCad E.D.A. 8.0.9		Id: 3/11

# Z PROTECTION



Z PROTECTION  
Author: Fábio Pereira da Silva

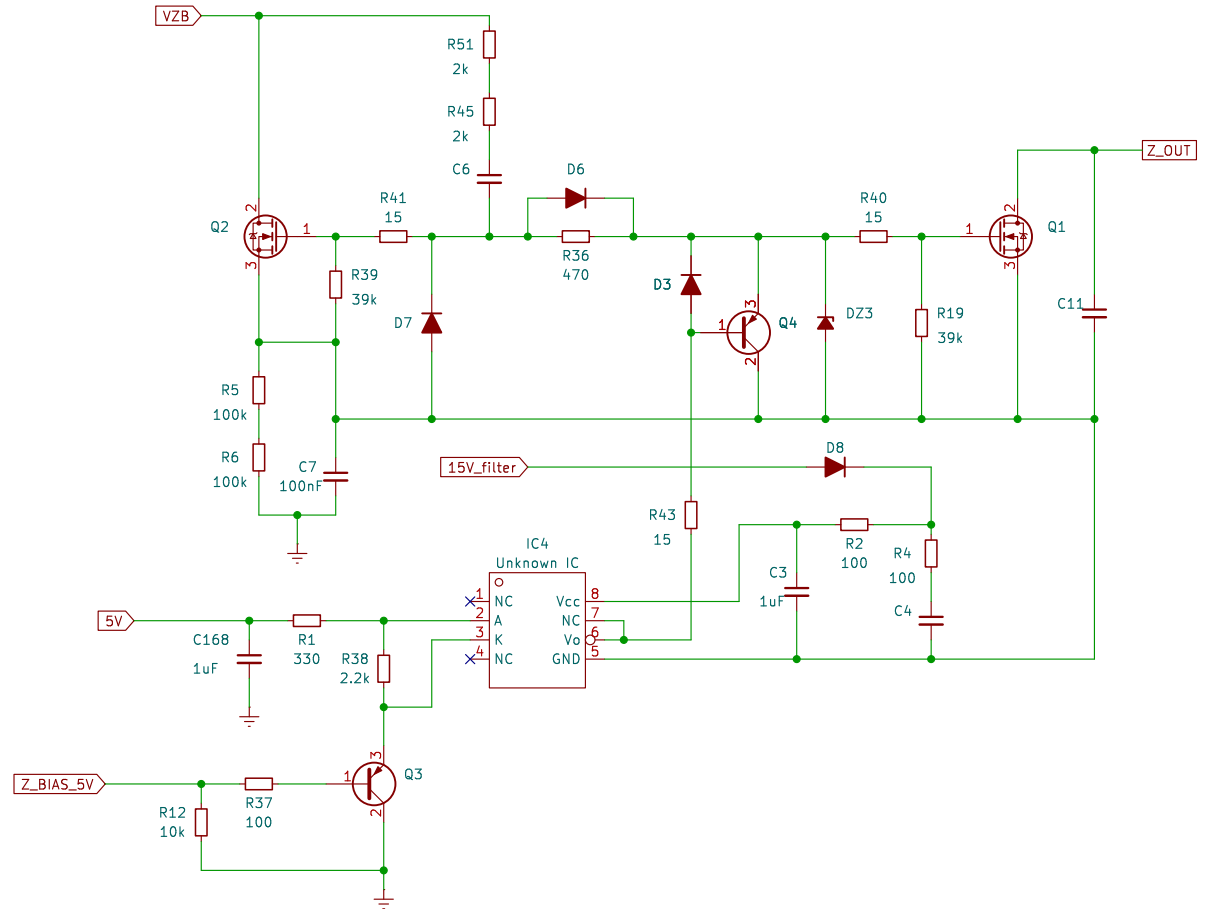
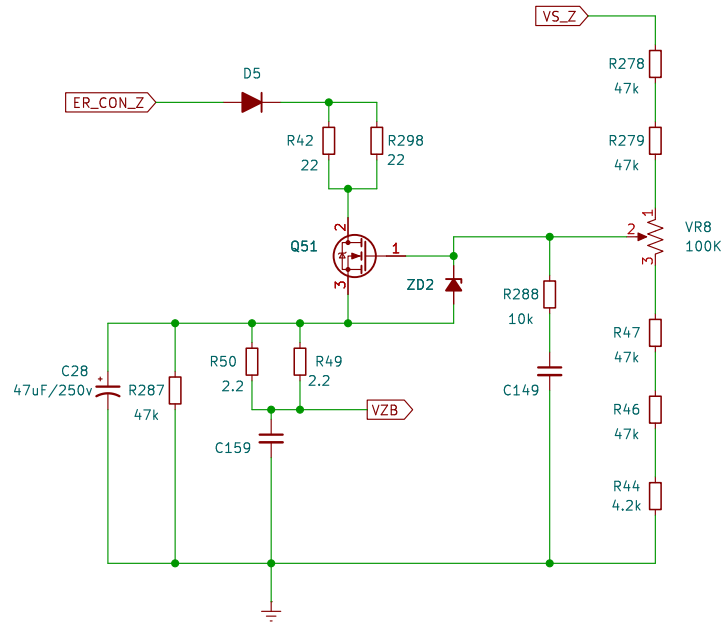
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File: z\_protection.kicad\_sch

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

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

Rev: 1.0  
Id: 4/11

# VZB



VZB  
Author: Fábio Pereira da Silva

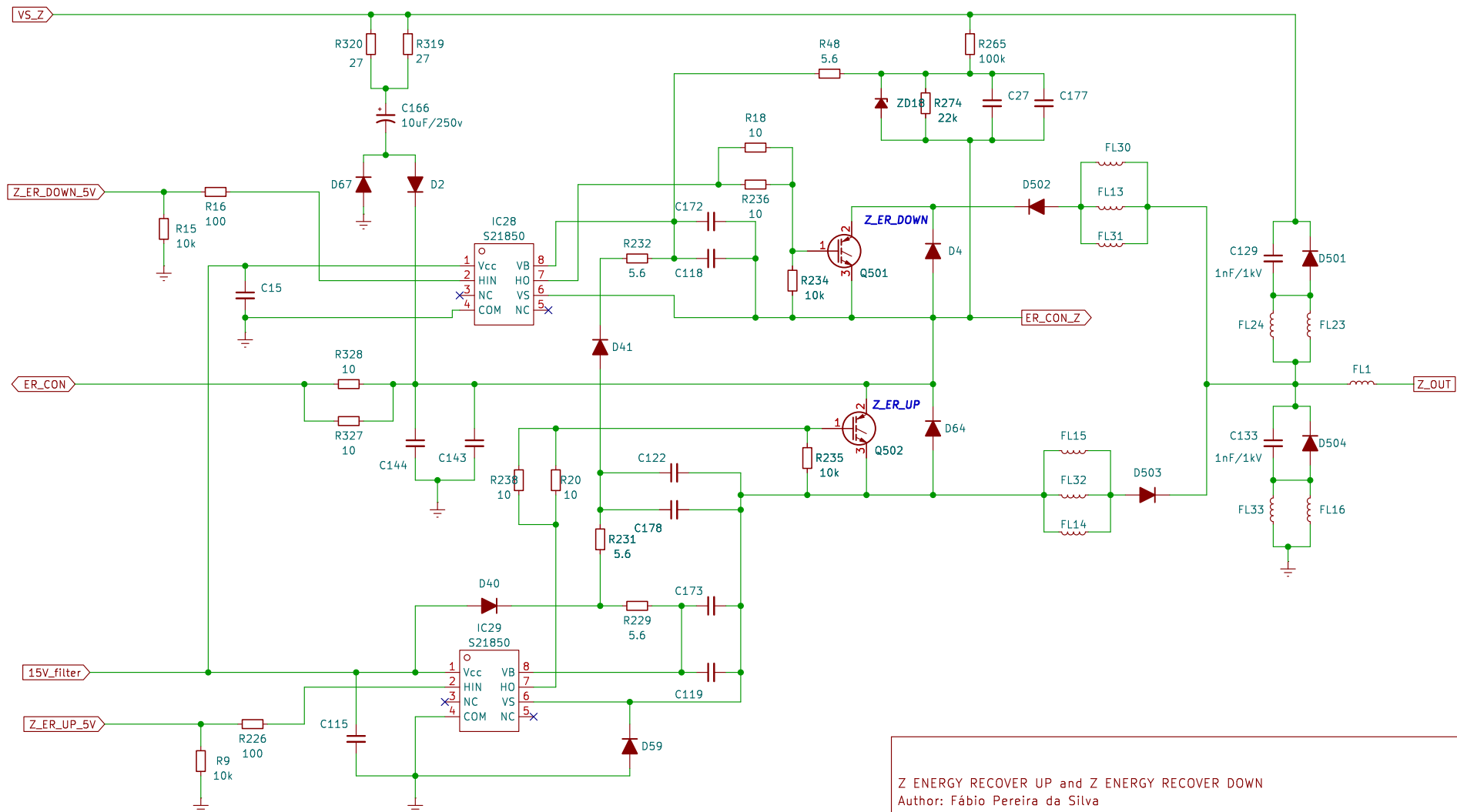
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File: vzb.kicad\_sch

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

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

Rev: 1.0  
Id: 5/11

# Z ENERGY RECOVER UP and Z ENERGY RECOVER DOWN



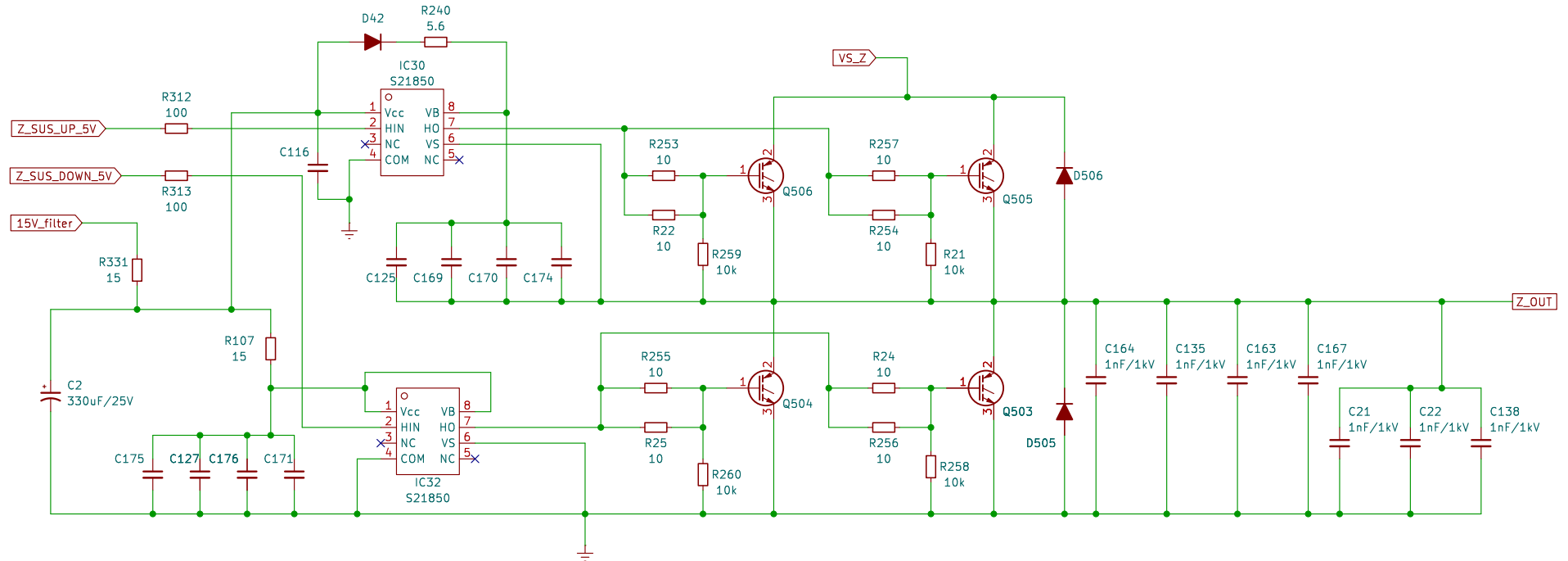
Z ENERGY RECOVER UP and Z ENERGY RECOVER DOWN  
 Author: Fábio Pereira da Silva

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: 6/11

# 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

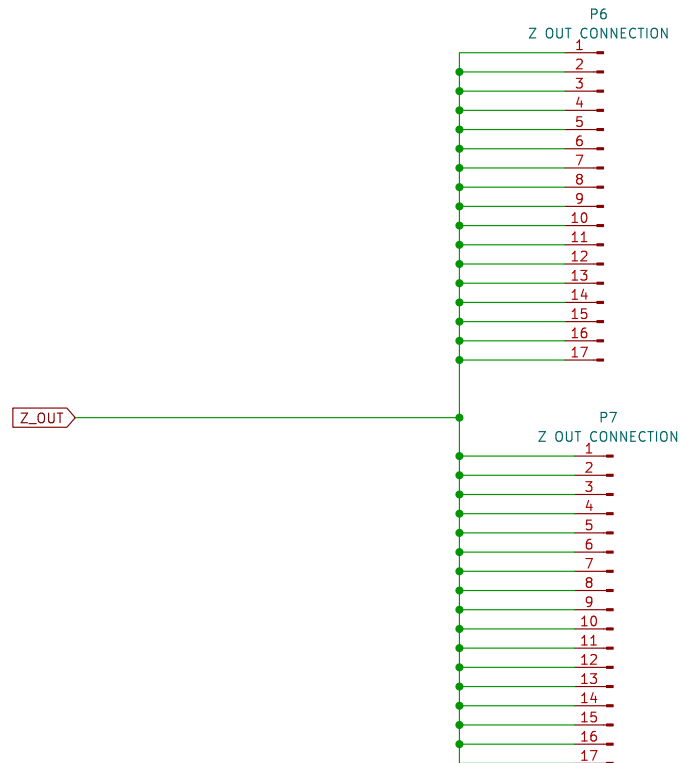
Date: 2025-04-03

Rev: 1.0

KiCad E.D.A. 8.0.9

Id: 7/11

# 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: 8/11



# Measurements (P3)

P3

Res (OHMS)	Reverse bias (V)	Foward bias (V)
1– 246k	1– 0.501	1– OL
2– 246k	2– 0.501	2– OL
3– OL	3– OL	3– OL
4– 0	4– 0	4– 0
5– 0	5– 0	5– 0
6– OL	6– OL	6– OL
7– 127k	7– 0.744	7– OL
8– 127k	8– 0.744	8– OL

Measurements (P3)  
Author: Fábio Pereira da Silva

Sheet: /Measurements (P3)/  
File: measurements\_p3.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: 9/11

# Measurements (P2)

P2

Res (OHMS)	Reverse bias (V)	Foward bias (V)
1– 4.723k	1– 0.720	1– 2.727
2– 4.737k	2– 0.720	2– 2.729
3– 4.733k	3– 0.718	3– 2.729
4– 4.779k	4– 0.718	4– 2.737
5– 4.768k	5– 0.718	5– 2.736
6– 0L	6– 0.725	6– 0L
7– 0L	7– 0.722	7– 0L
8– 0	8– 0	8– 0
9– 0	9– 0	9– 0
10– 0L	10– 0.536	10– 0L
11– 0L	11– 0.524	11– 0L
12– 0L	12– 0.524	12– 0L

Measurements (P2)  
Author: Fábio Pereira da Silva

Sheet: /Measurements (P2)/  
File: measurements\_p2.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: 10/11

## Measurements (P6) and (P7)

P6 and P7 (All pins with Ground reference)

Res (OHMS)	Reverse bias (V)	Foward bias (V)
183k	OL	0.372

P6 and P7 (All pins with VS reference)

Res (OHMS)	Reverse bias (V)	Foward bias (V)
—	OL	0.379

Measurements P6 and P7  
Author: Fábio Pereira da Silva

Sheet: /Measurements (P6 and P7)/  
File: measurements\_p6\_and\_p7.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: 11/11