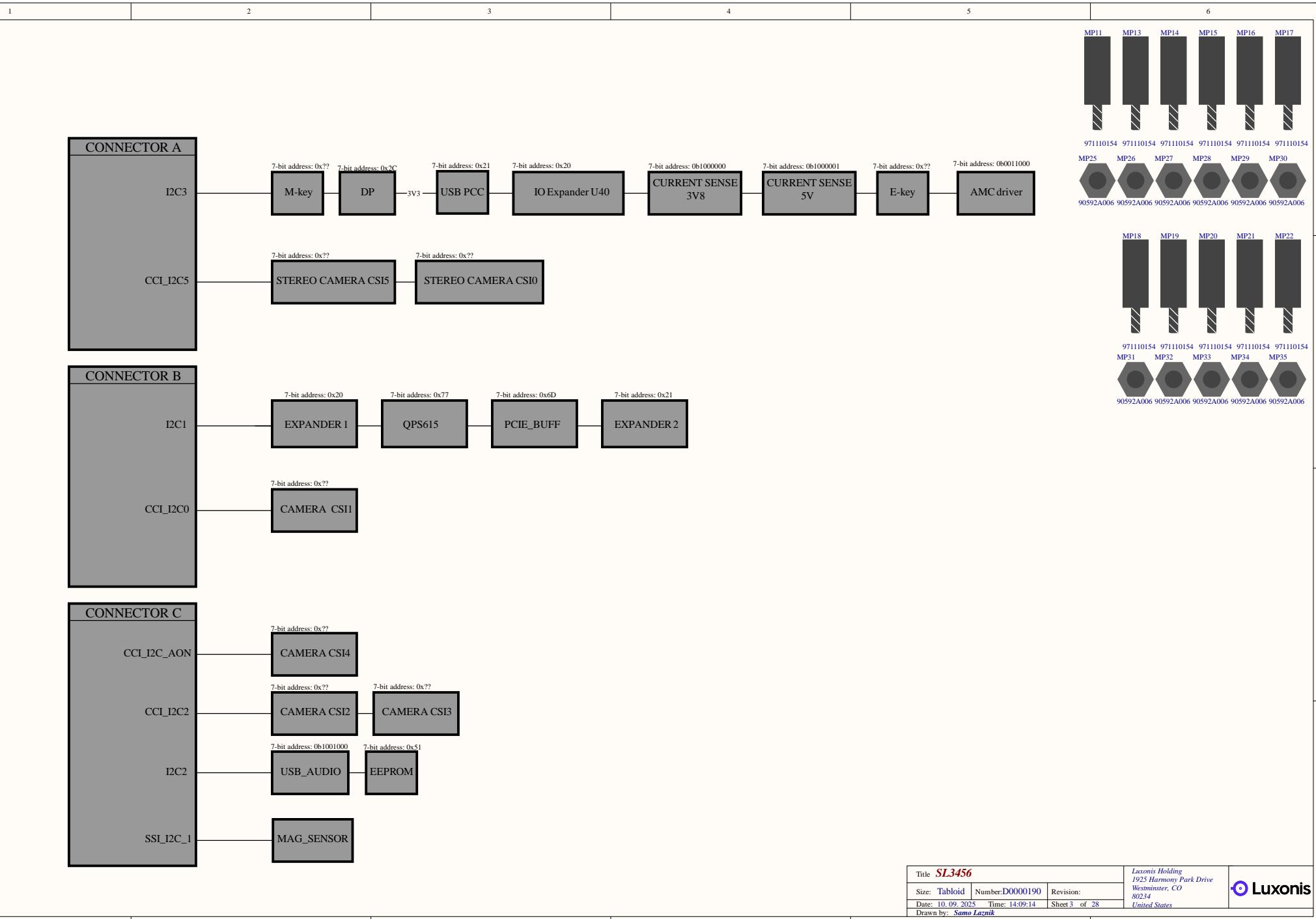
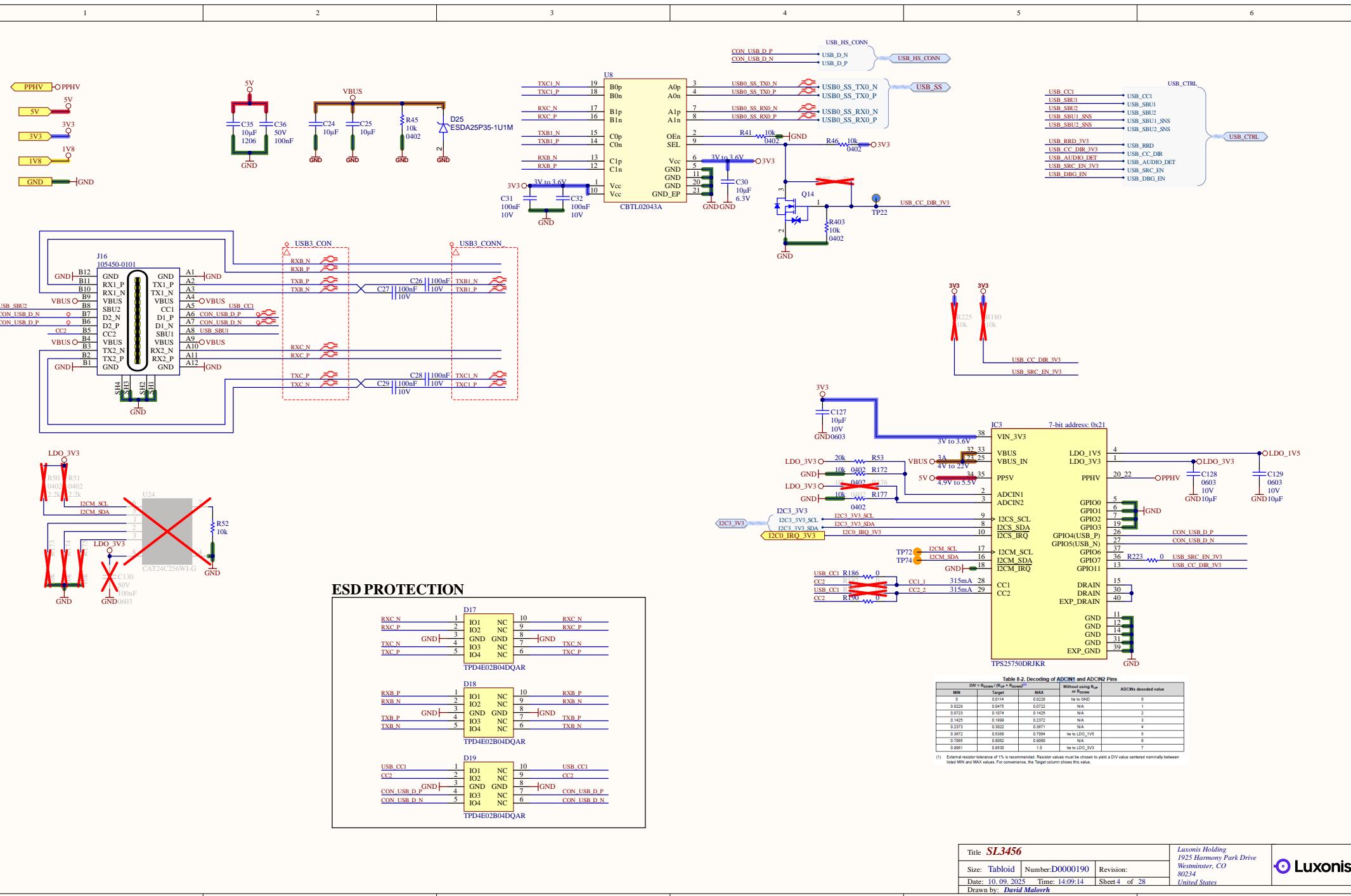


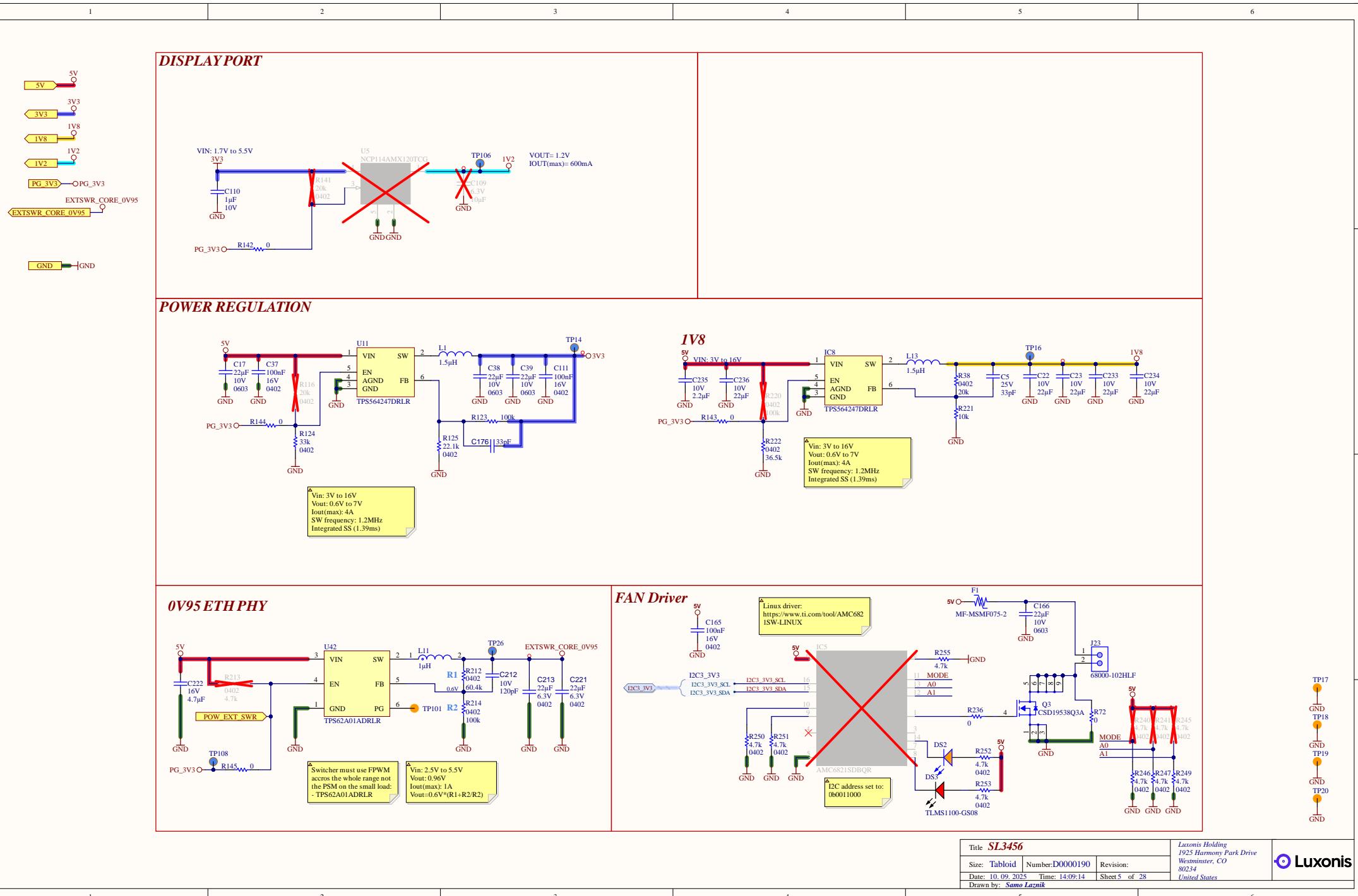
SL3456 Luxonis Holding
1925 Harmony Park Drive
Westminster CO
80234
United States
 A2 Number:D0000190 Revision:
 10.09.2025 Time: 14:09:14 Sheet1 of 28  Luxonis
 by: **Samo Laznik**



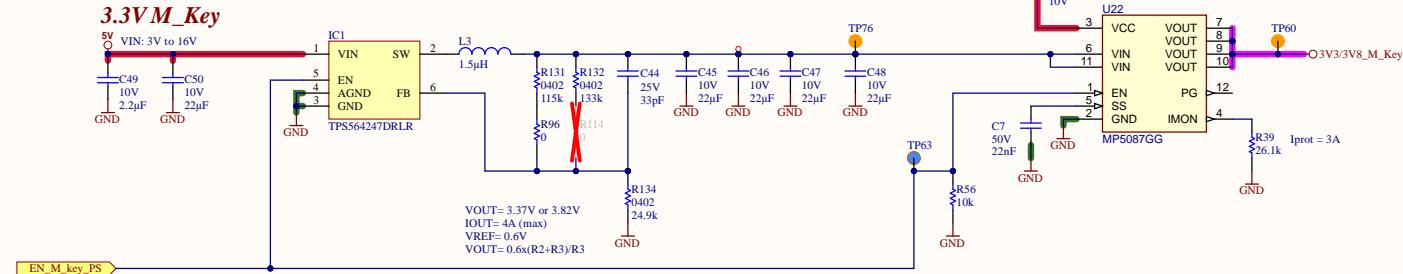
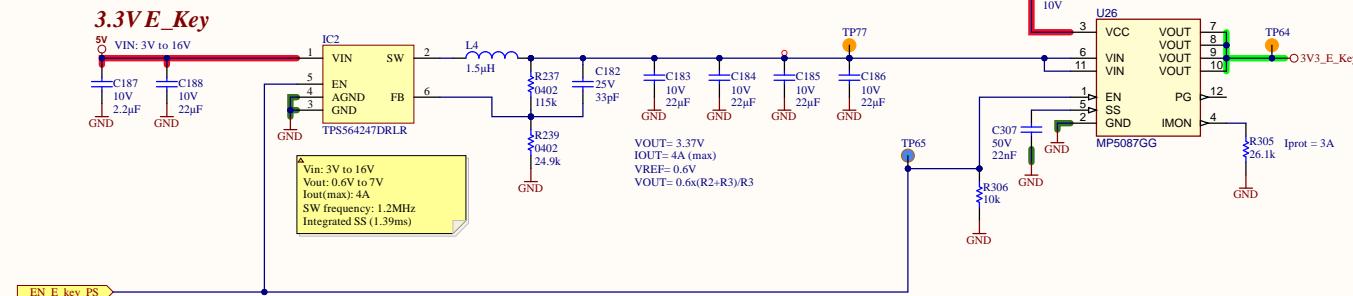
Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Revision: 80234
Time: 14:09:14	Sheet 3 of 28

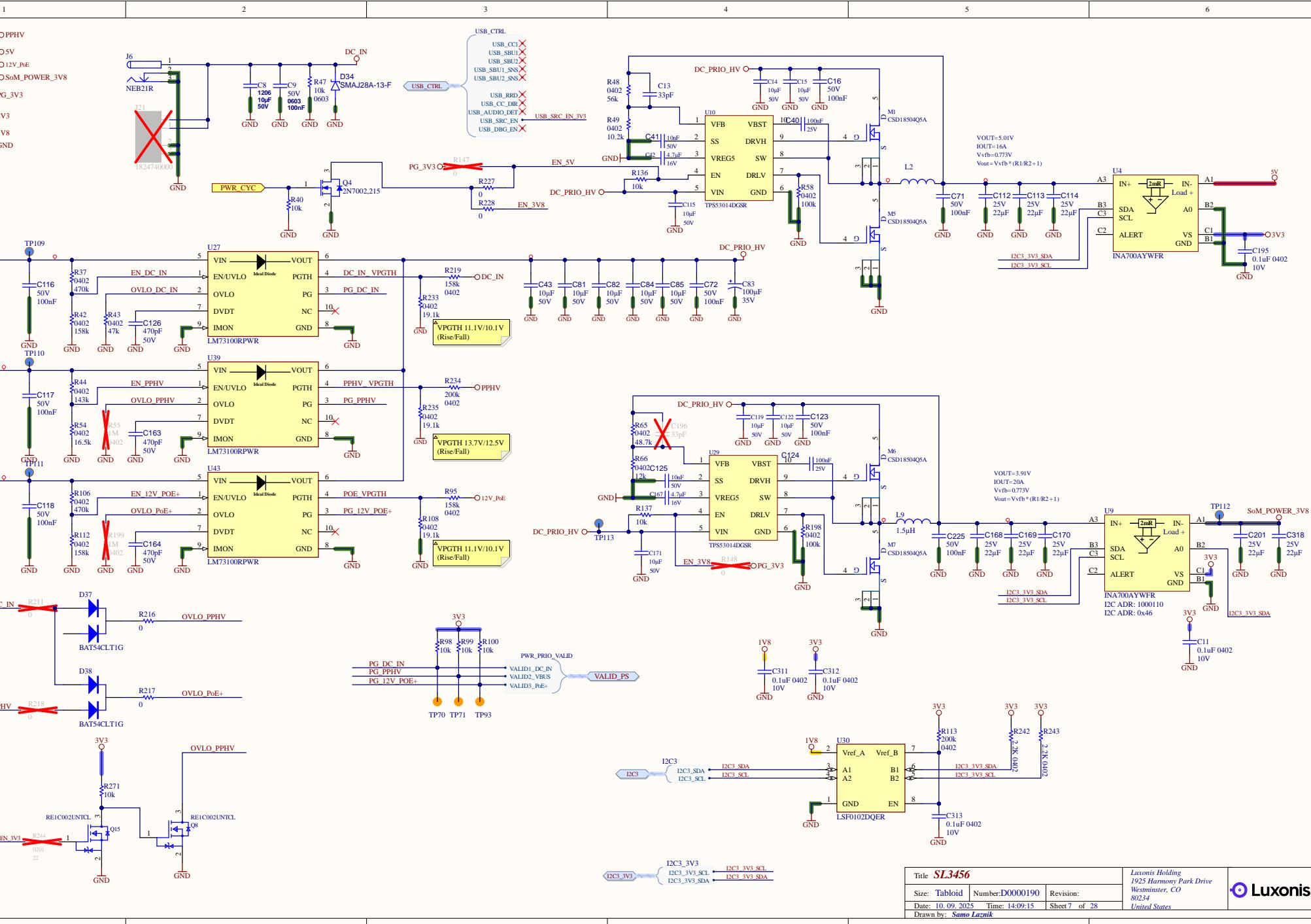






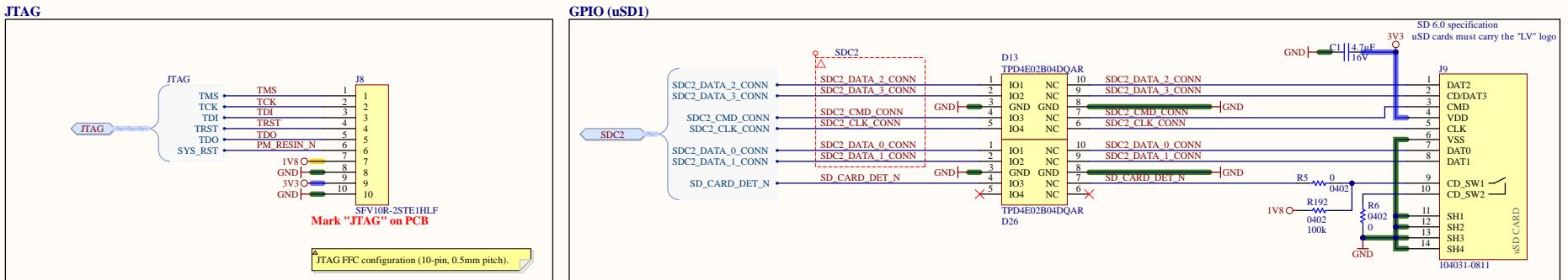
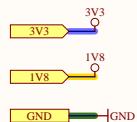
5V
 3V3/3V8_M_Key
 3V3_E_Key
 GND

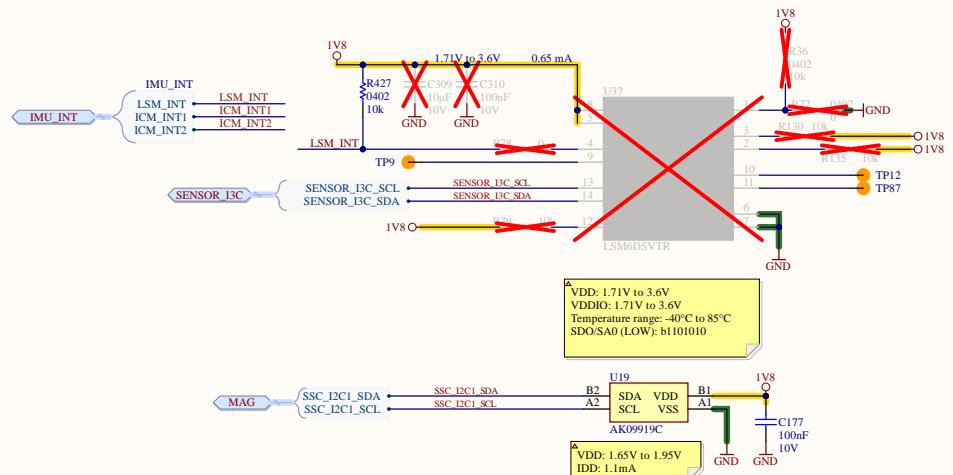
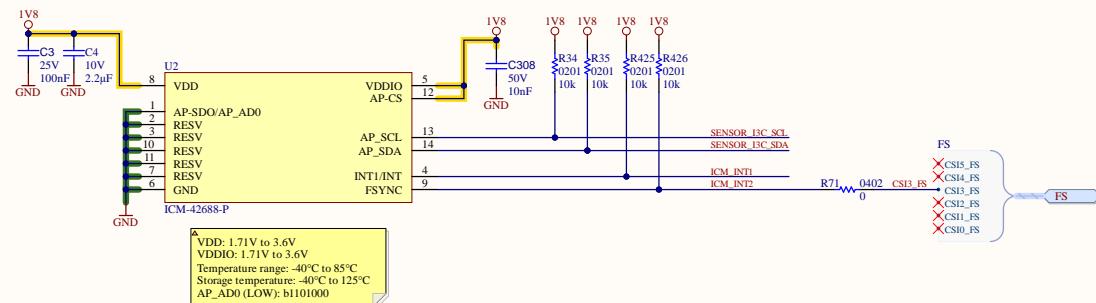
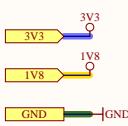
3.3VM_Key**3.3VE_Key**

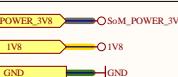


Title: **SL3456**
 Size: Tabloid | Number: D0000190 | Revision:
 Date: 10.09.2025 | Time: 14:09:15 | Sheet 7 of 28
 Drawn by: Samo Laznik









1

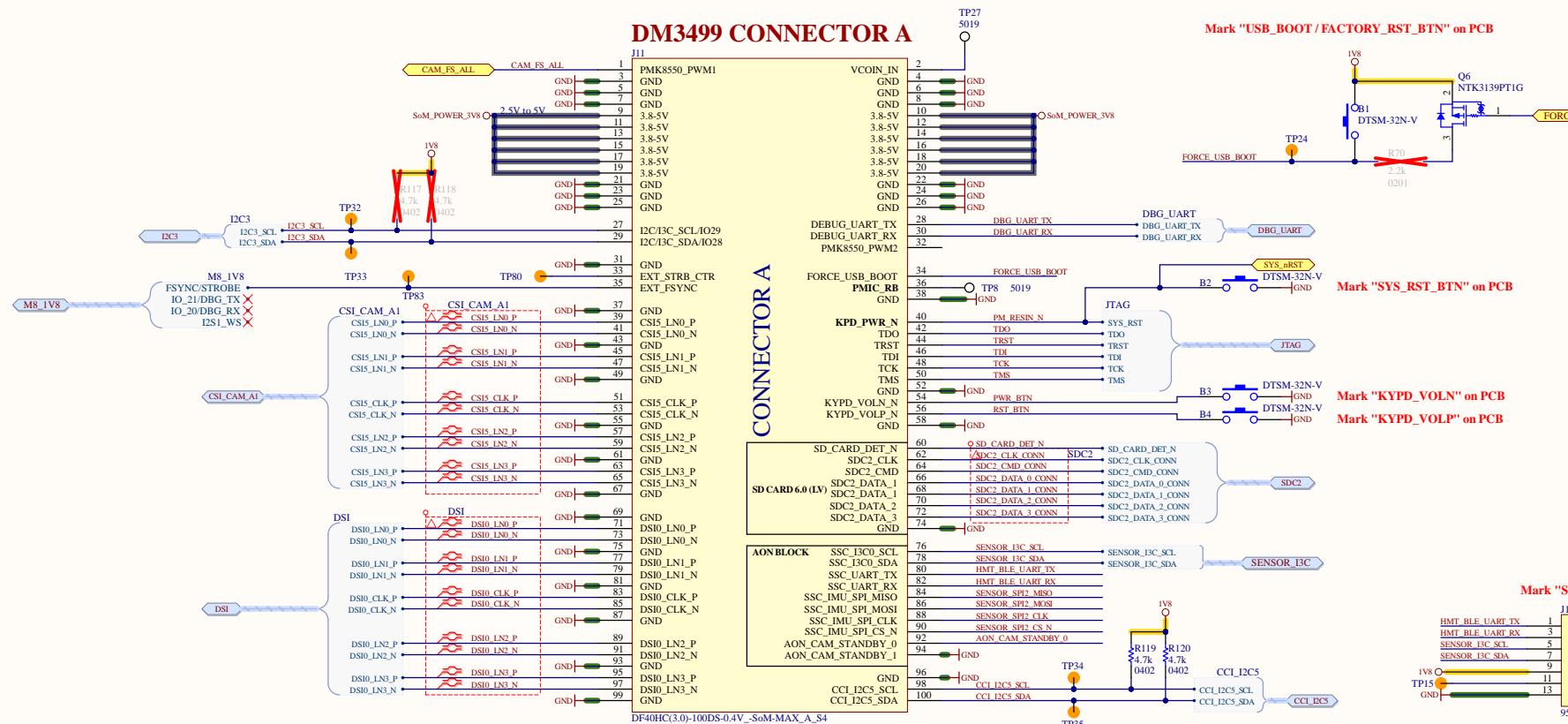
2

A

B

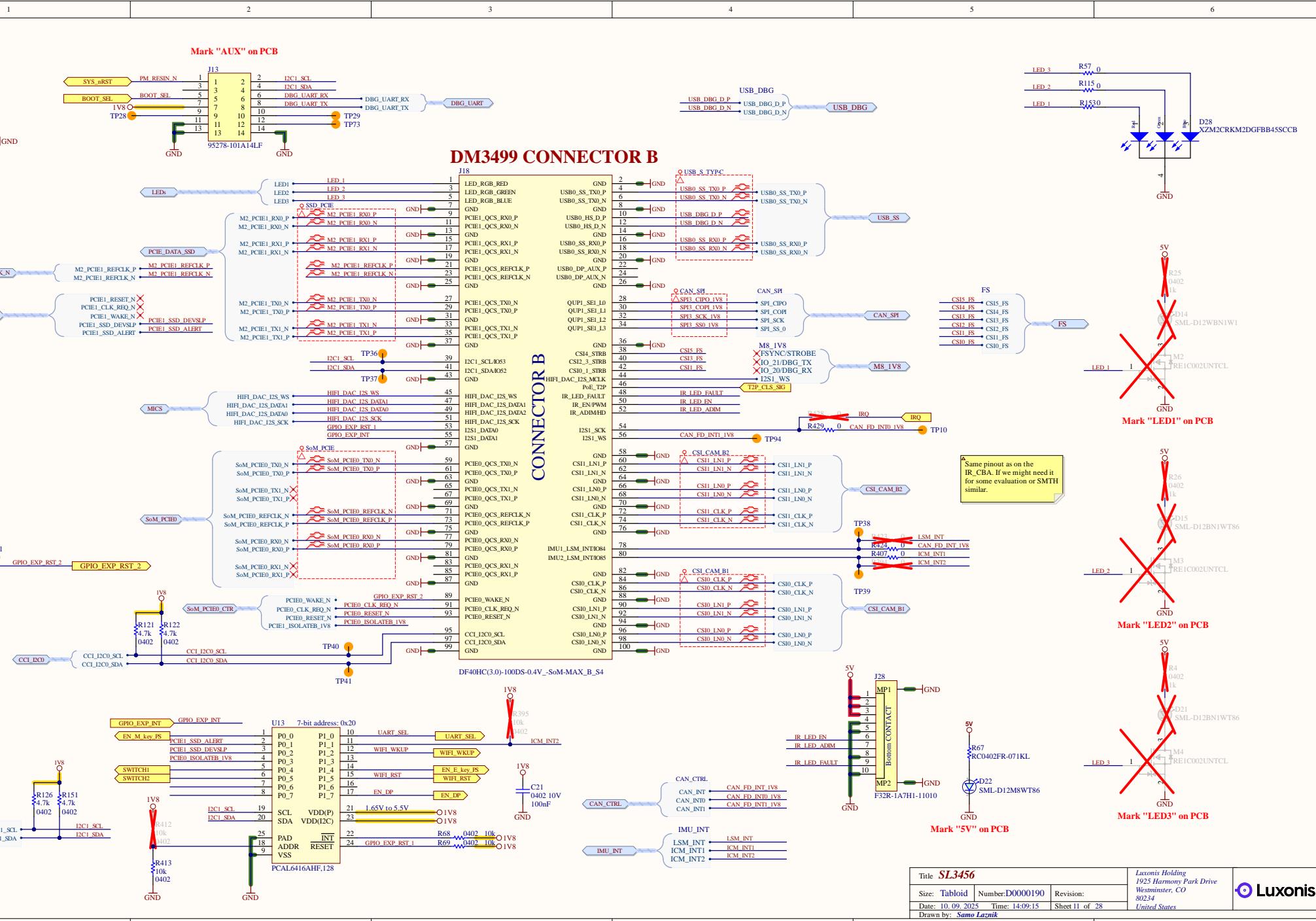
6

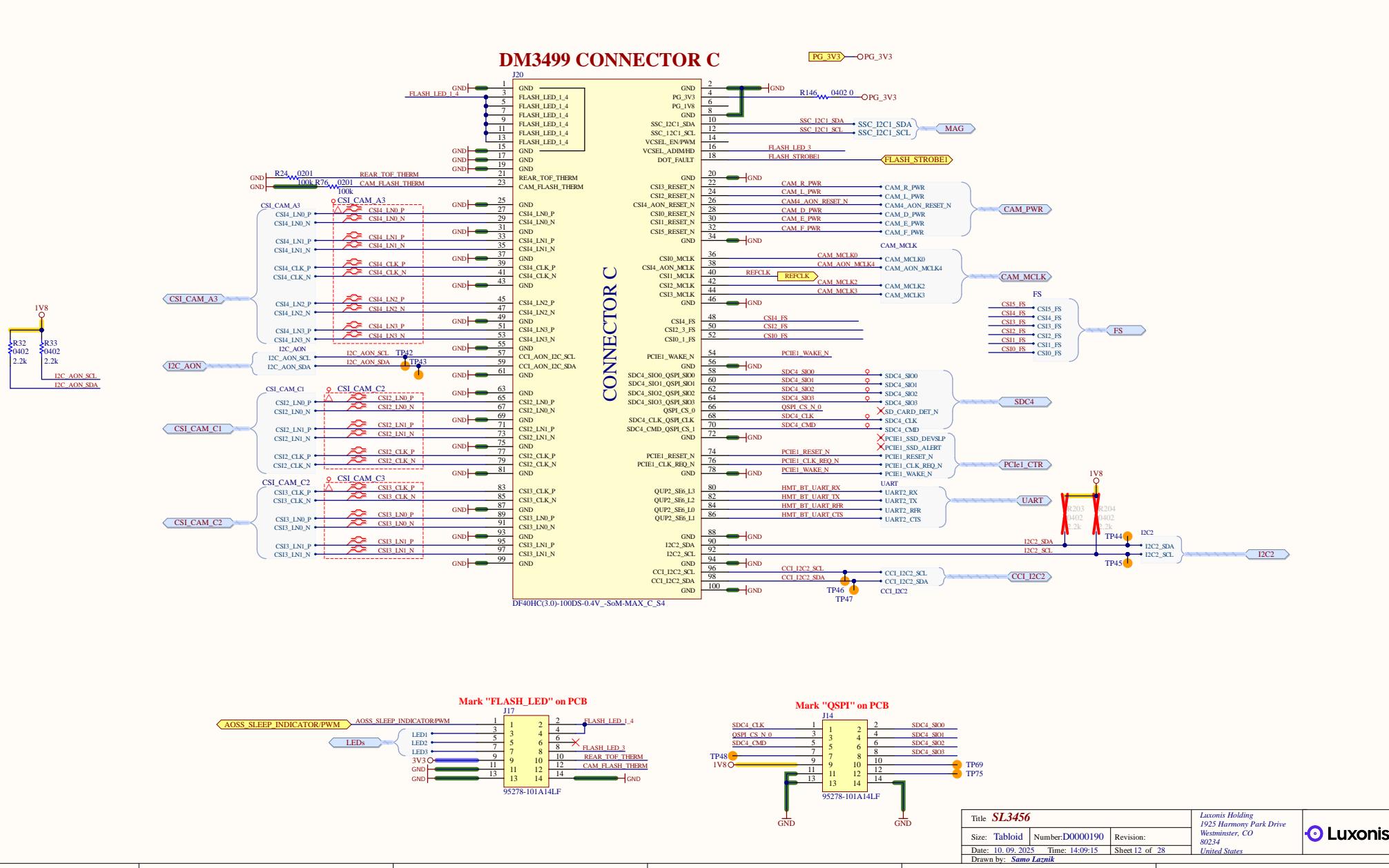
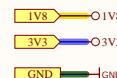
DM3499 CONNECTOR A

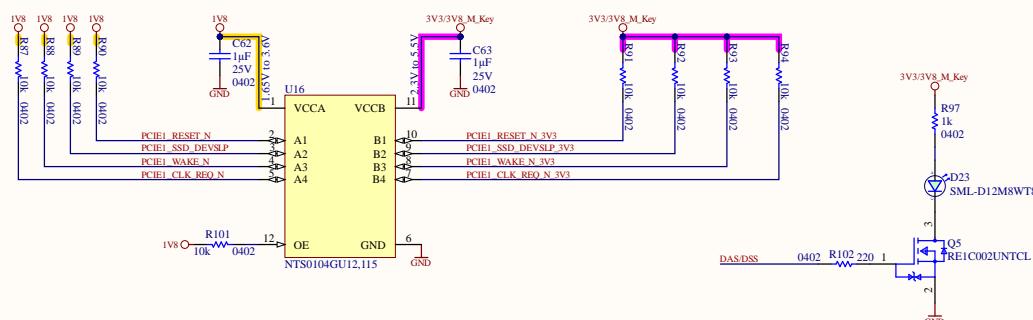
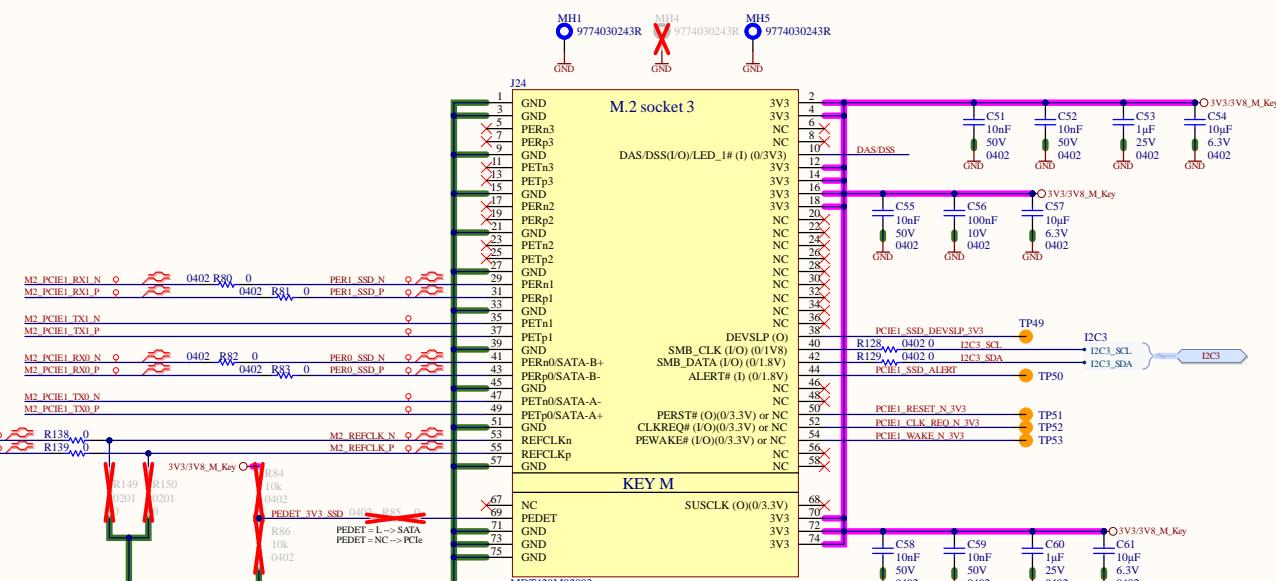
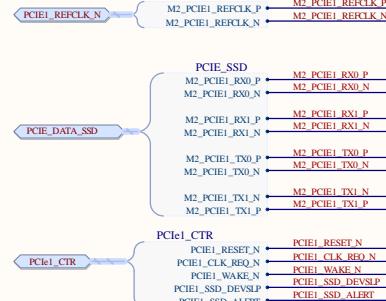
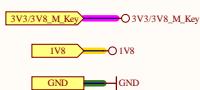


Mark "SENSOR" on PCB

Title: SL3456	<i>Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States</i>	 Luxonis
Size: Tabloid	Number:D0000190	Revision:
Date: 10.09.2025	Time: 14:09:15	Sheet 10 of 28
Drawing by: Suresh J. Joseph		



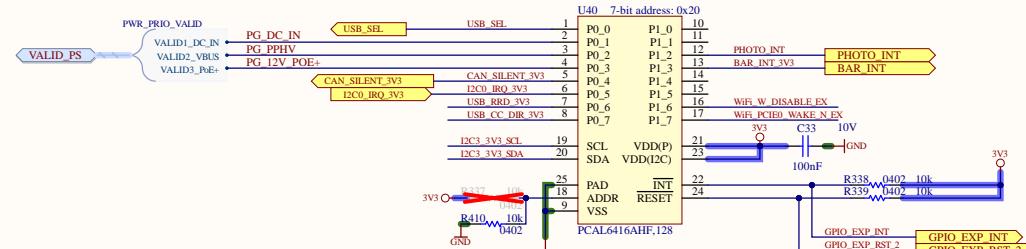
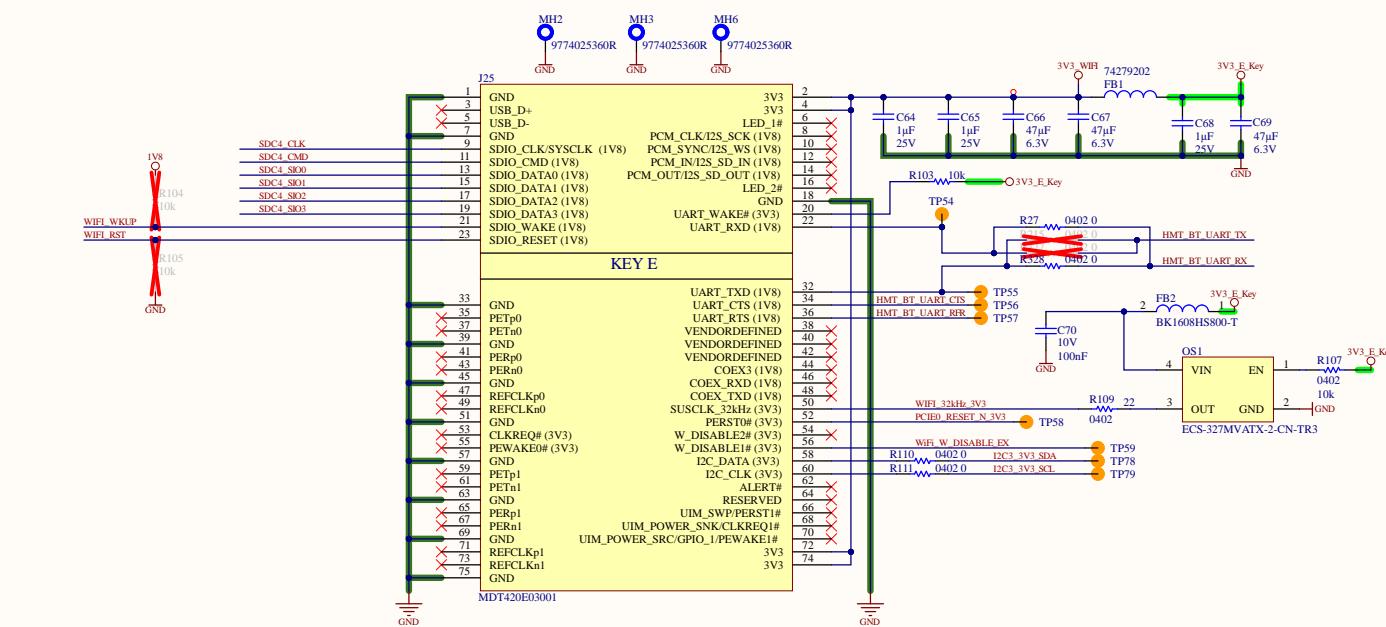
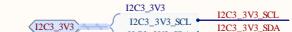
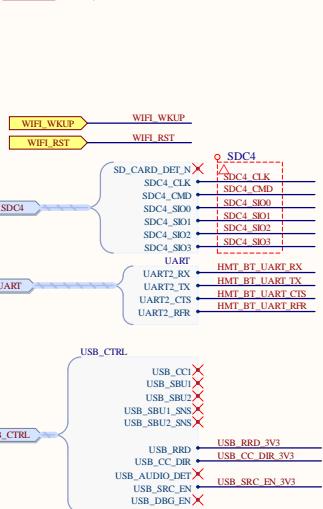




Mark "SSD_ACT" on PCB

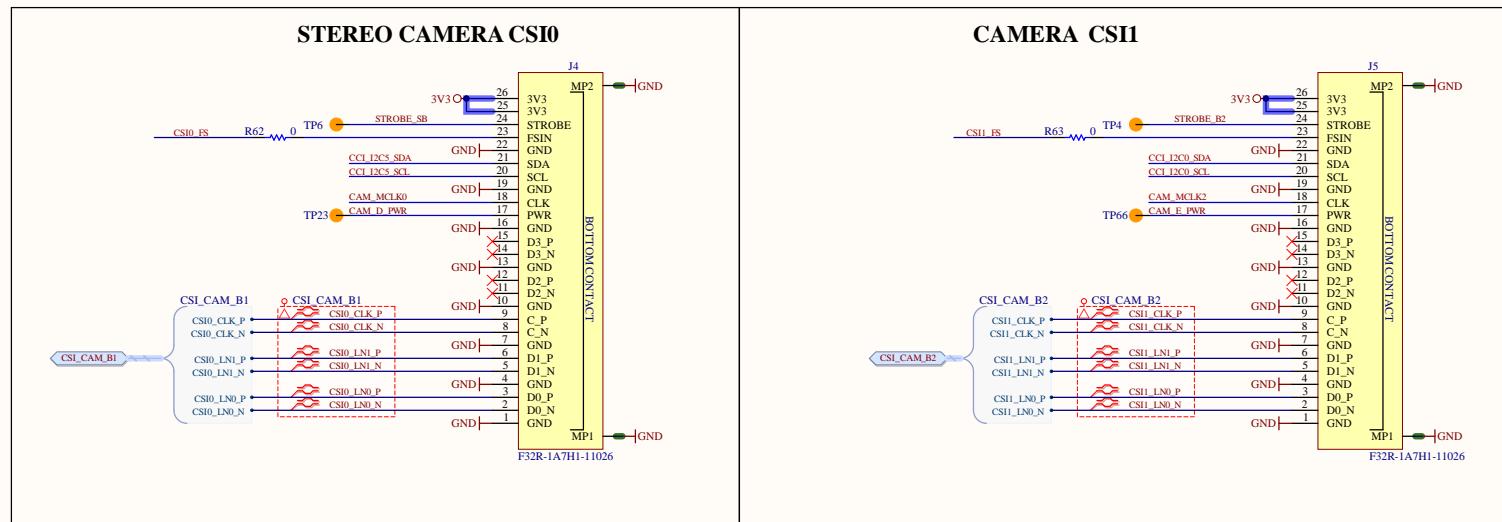
Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Time: 14:09:15
Drawn by: Samo Laznik	Sheet 13 of 28



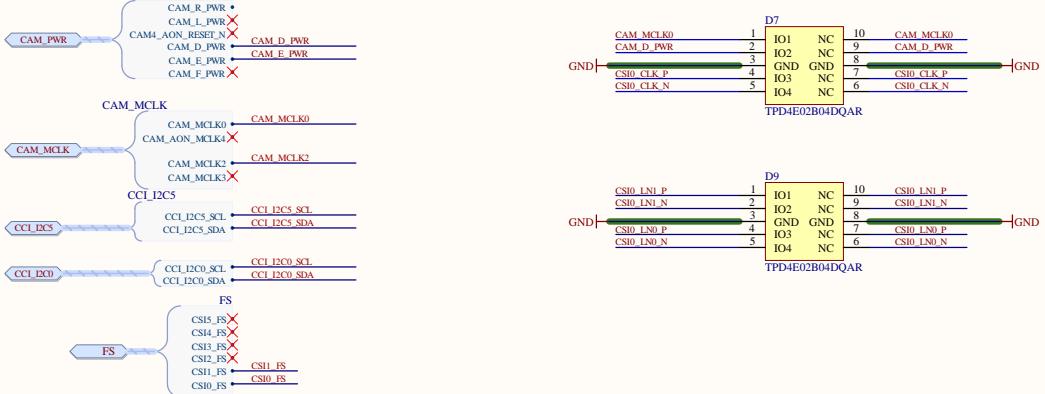




A



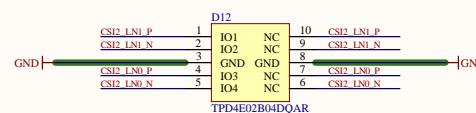
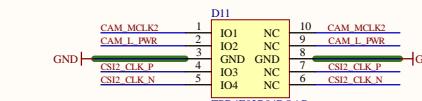
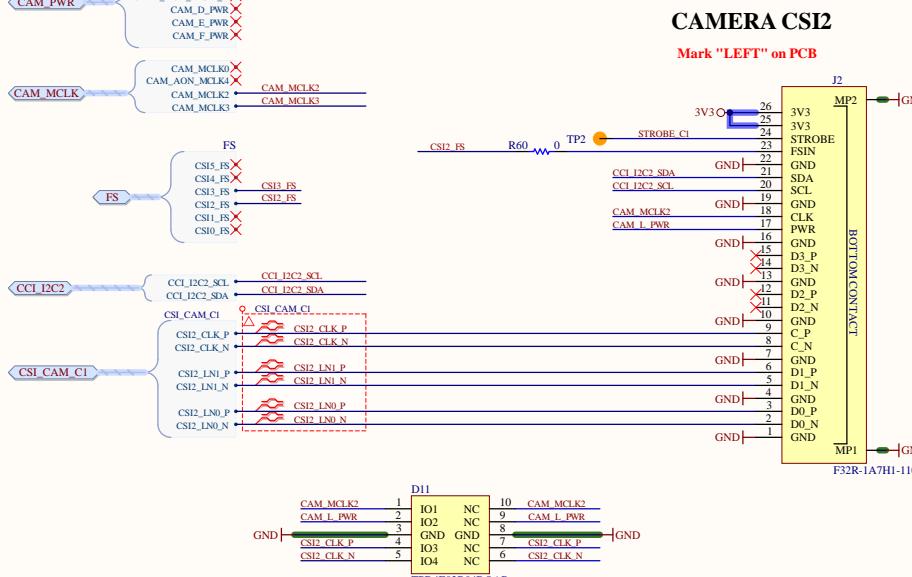
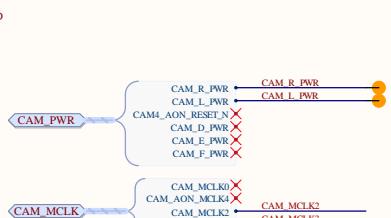
B



C

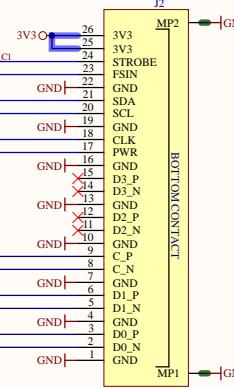
Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Time: 14:09:16
Drawn by: Samo Laznik	Sheet 15 of 28





CAMERA CSI2

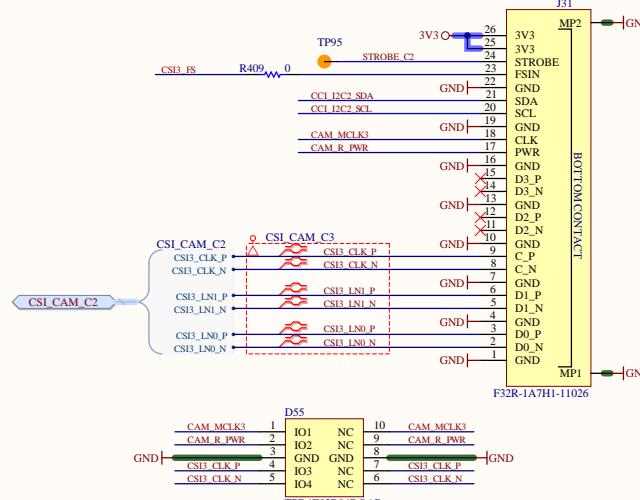
Mark "LEFT" on PCB



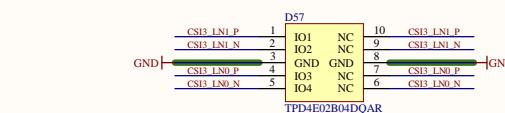
F32R-1A7H1-11026

CAMERA CSI3

Mark "LEFT" on PCB



F32R-1A7H1-11026



Title: **SL3456**

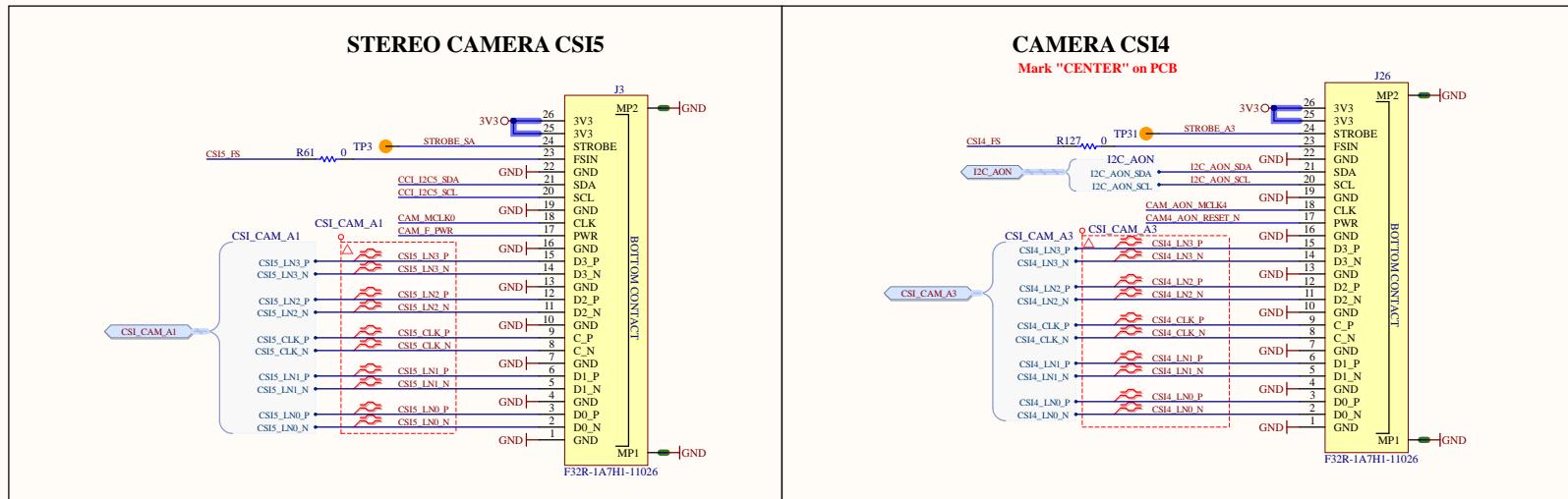
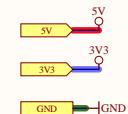
Luxonis Holding
1925 Harmony Park Drive
Westminster, CO
80234
United States

Size: Tabloid Number:D0000190 Revision:

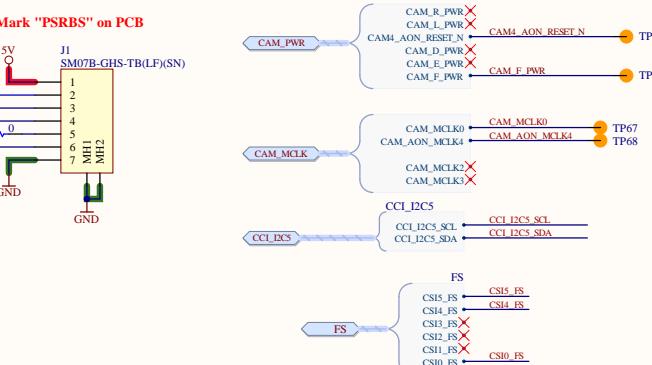
Date: 10.09.2025 Time: 14:09:16 Sheet 16 of 28

Drawn by: Samo Laznik

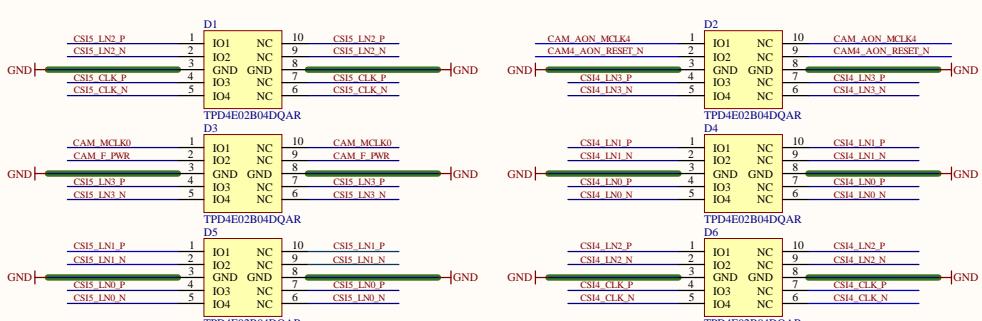




B



A

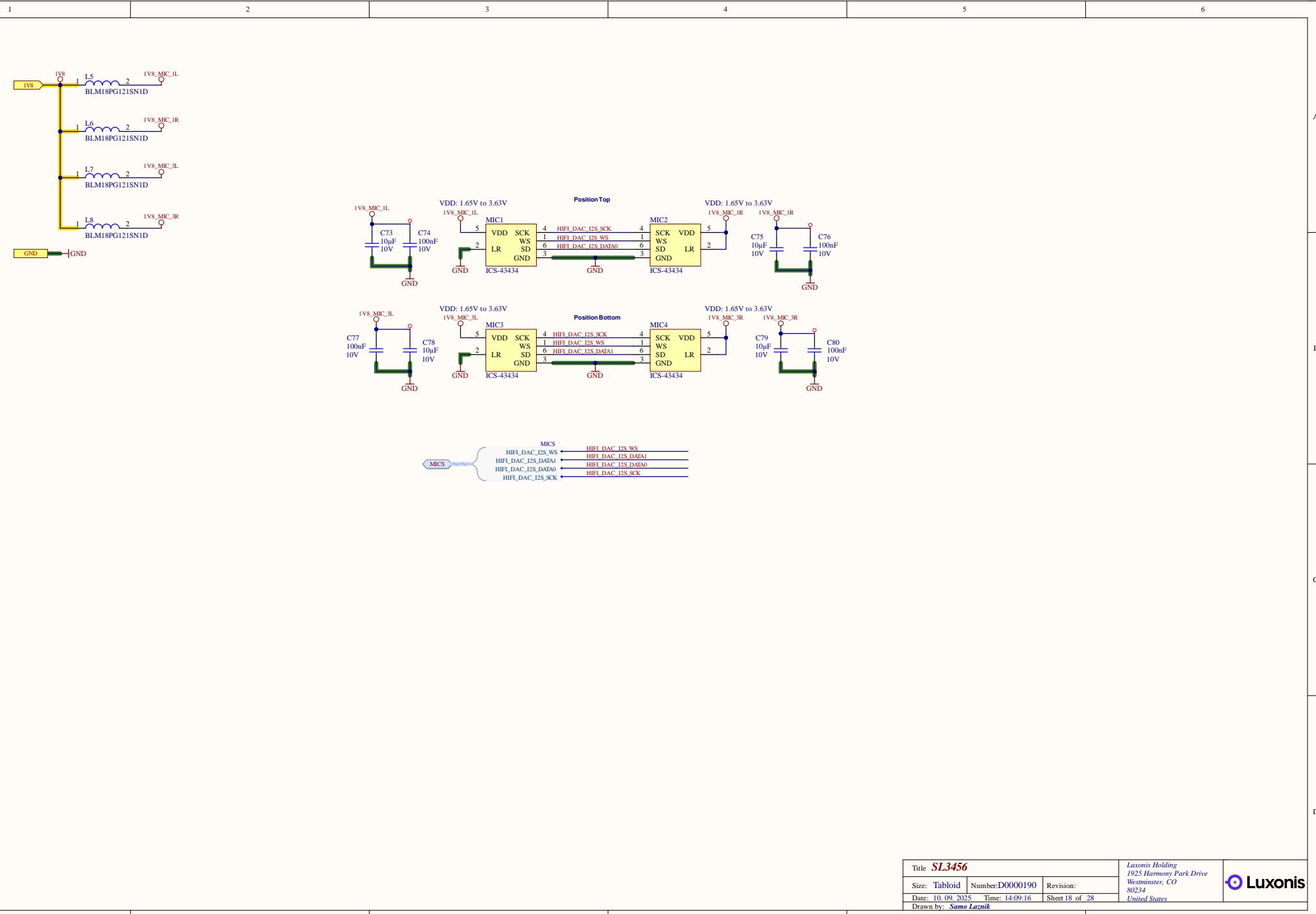


C

Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Revision:
Time: 14:09:16	Sheet 17 of 28

Drawn by: Samo Laznik





A

B

C

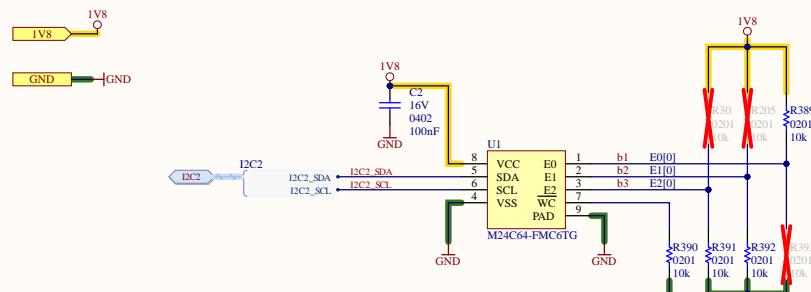
D

A

B

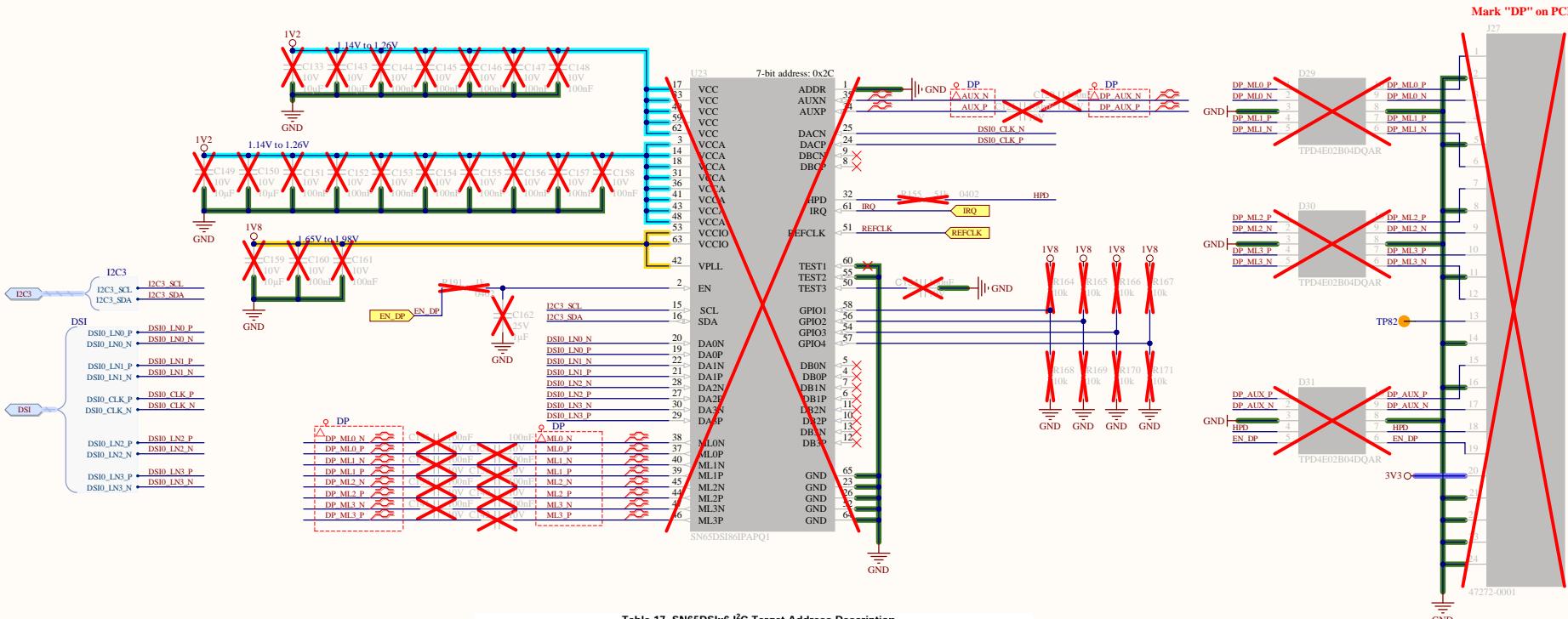
C

D



Memory array: b1010 E2 E1 E0
 Memory array: b1010001
 Memory array: 0x51
 Identification page: b1011001
 Identification page: 0x59
 Suppy voltage: 1.7V to 5.5V
 Supply current: 2.5mA (R/W)
 Operating temperature: -40°C to 85°C

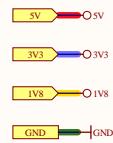
Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Revision: 80234
Time: 14:09:16	Sheet 19 of 28

Table 17. SN65DSIx6 I²C Target Address Description

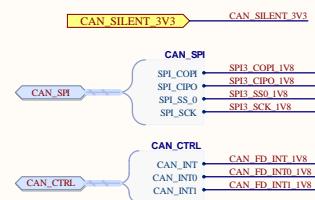
SN65DSIx6 I ² C TARGET ADDRESS							
Bit 7 (MSB)	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0 (W/R)
0	1	0	1	1	0	ADDR	0/1

When ADDR = 1, Address Cycle is 0x5A (Write) and 0x5B (Read)
When ADDR = 0, Address Cycle is 0x58 (Write) and 0x59 (Read)

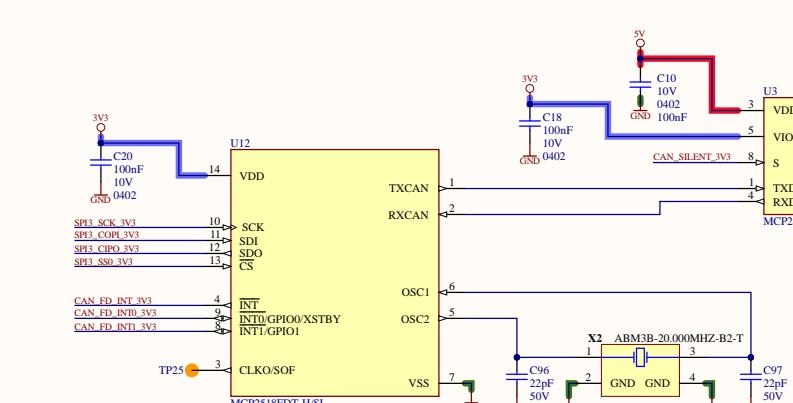
A



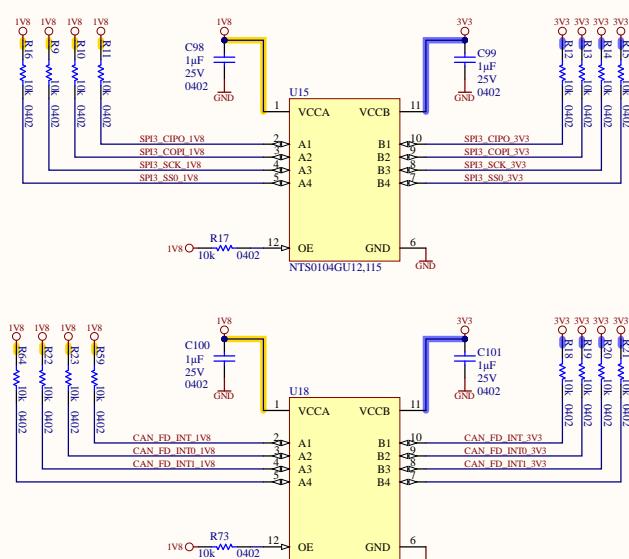
B



C

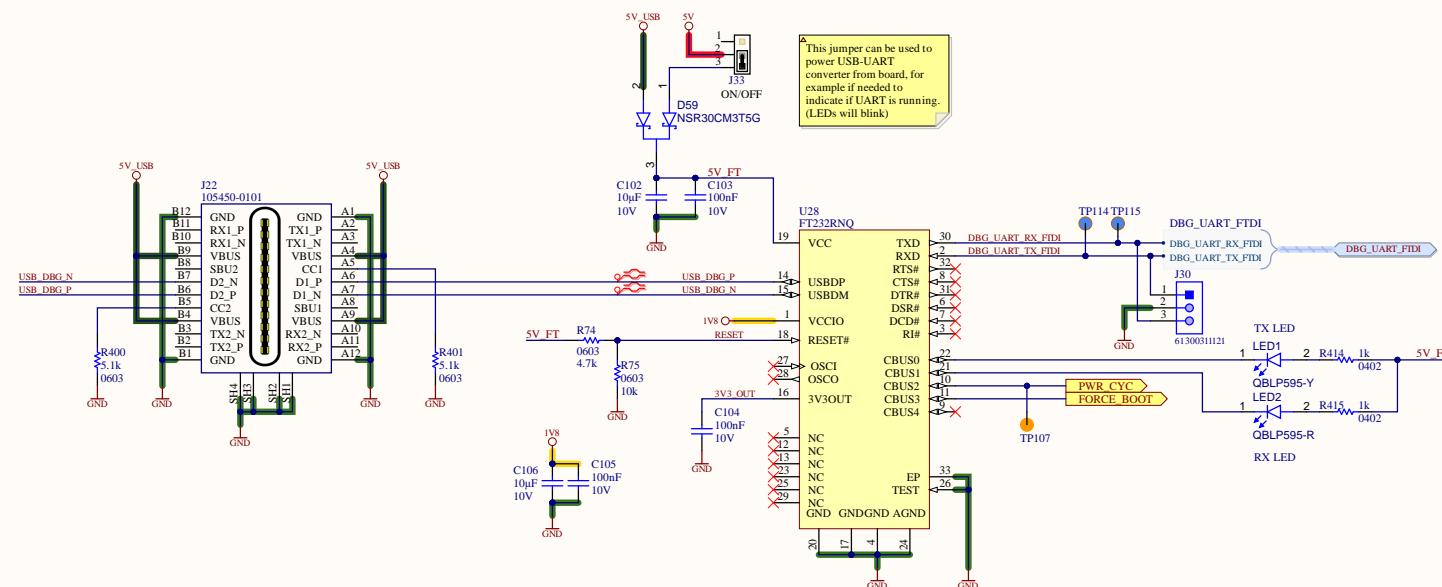


D



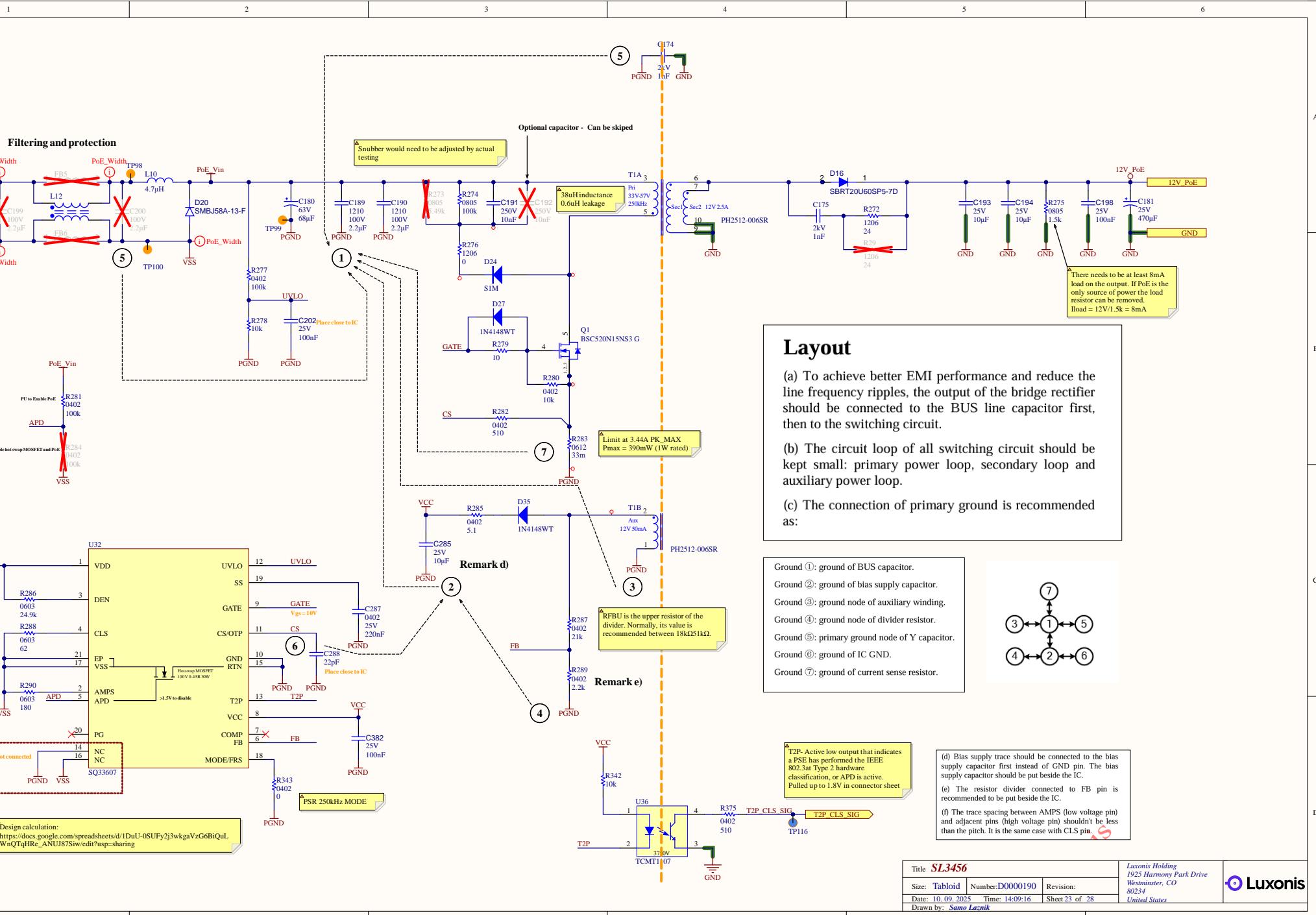
Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Time: 14:09:16
Drawn by: Samo Laznik	Sheet 21 of 28

5V
1V8
GND

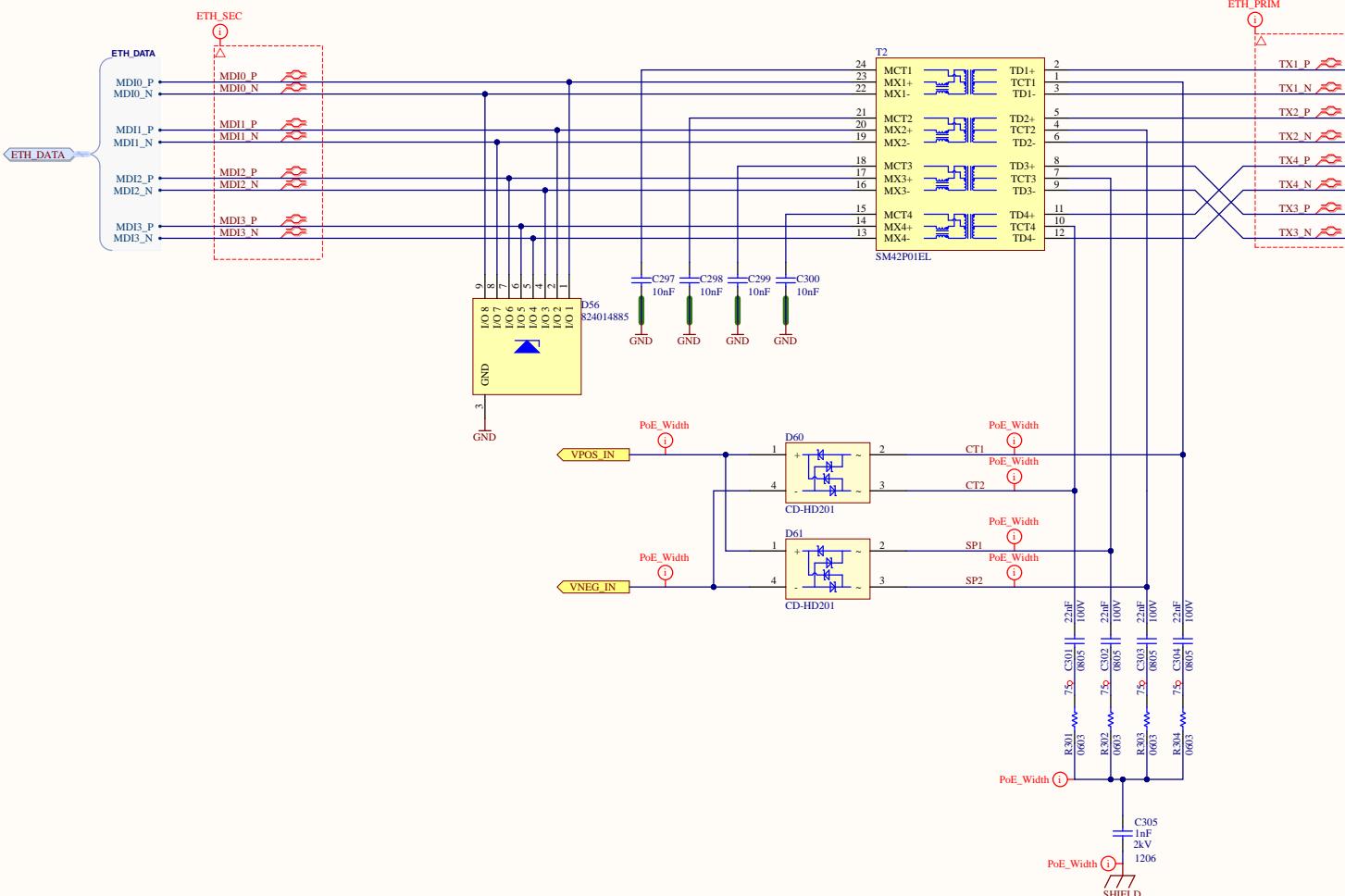


Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Time: 14:09:16
Drawn by: Samo Laznik	Sheet 22 of 28



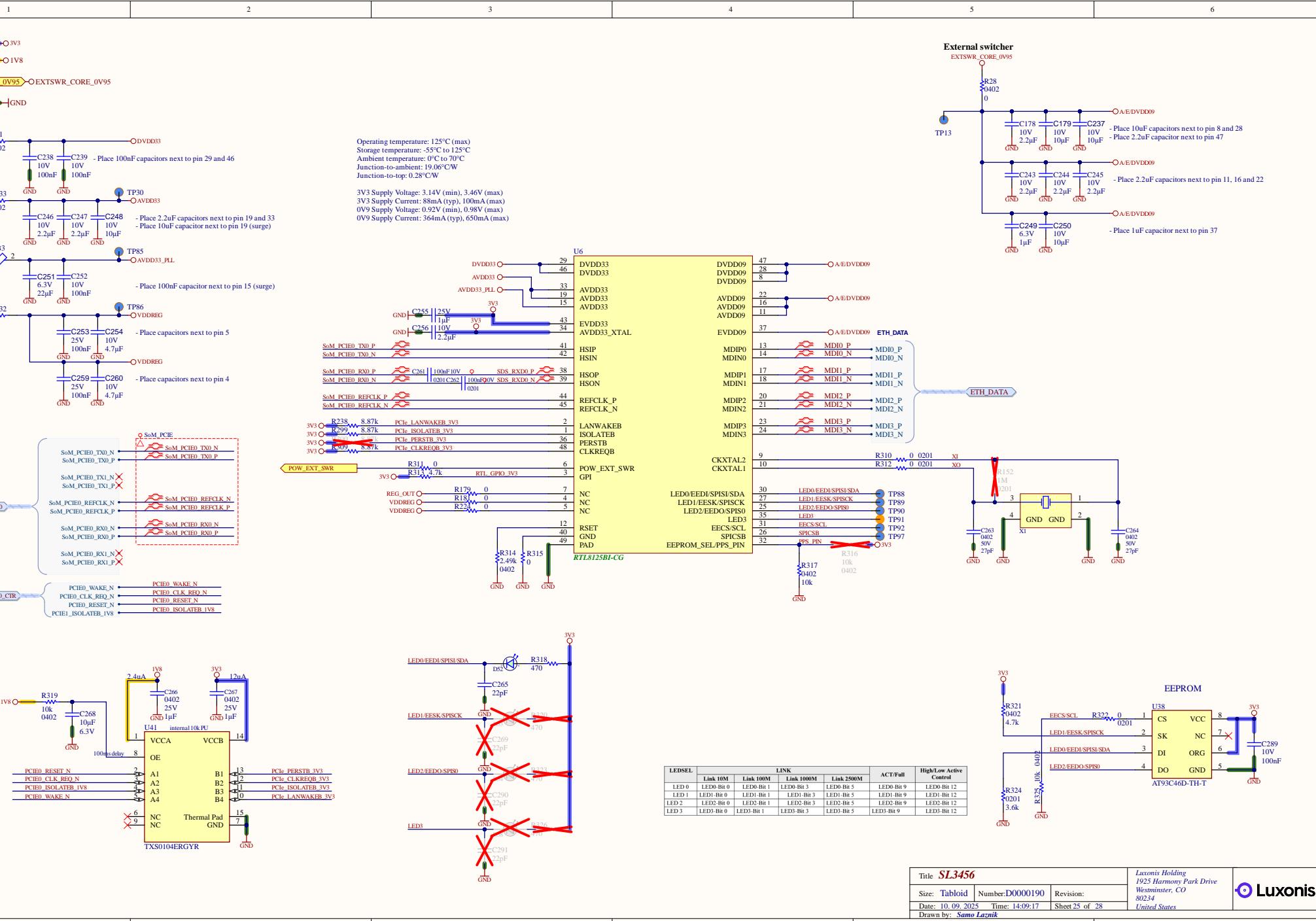


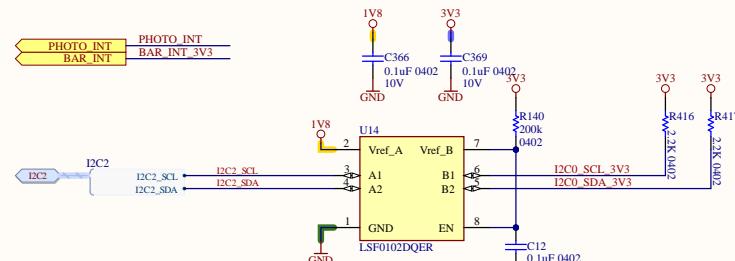
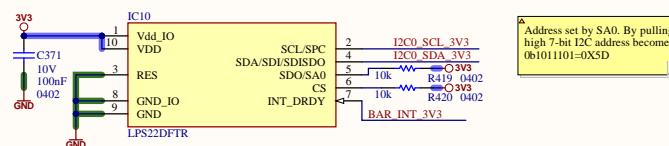
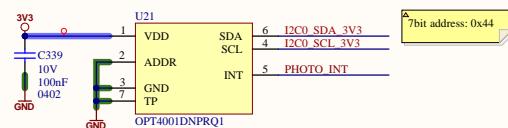
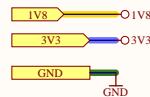
GND



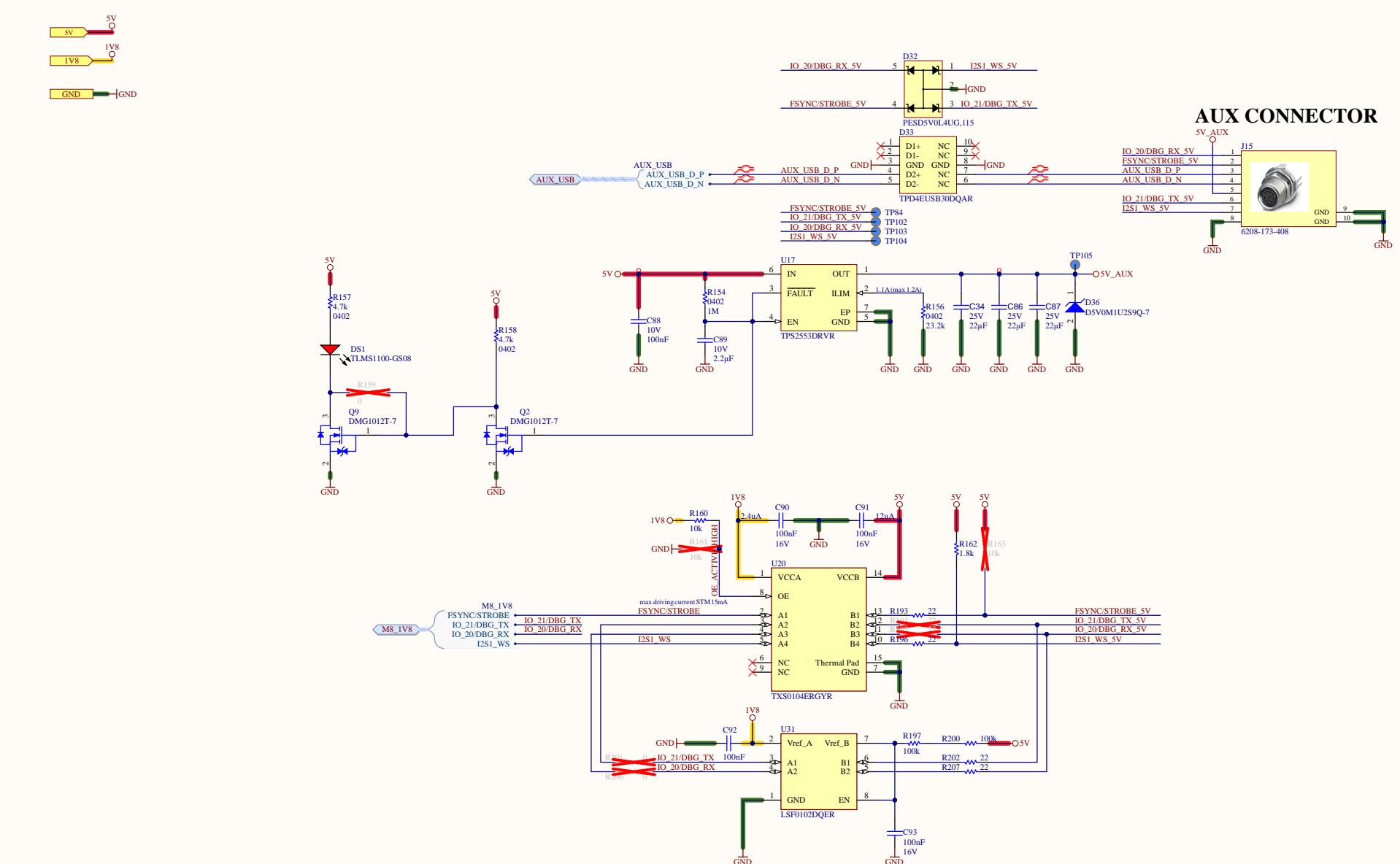
Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Time: 14:09:17
Drawn by: Samo Laznik	Sheet 24 of 28







Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number: 18
Date: 10.09.2025	Time: 14:09:17
Drawn by: Samo Laznik	Sheet 26 of 28



Title: SL3456	Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States
Size: Tabloid	Number:D0000190
Date: 10.09.2025	Time: 14:09:17
Drawn by: Samo Laznik	Sheet 27 of 28

