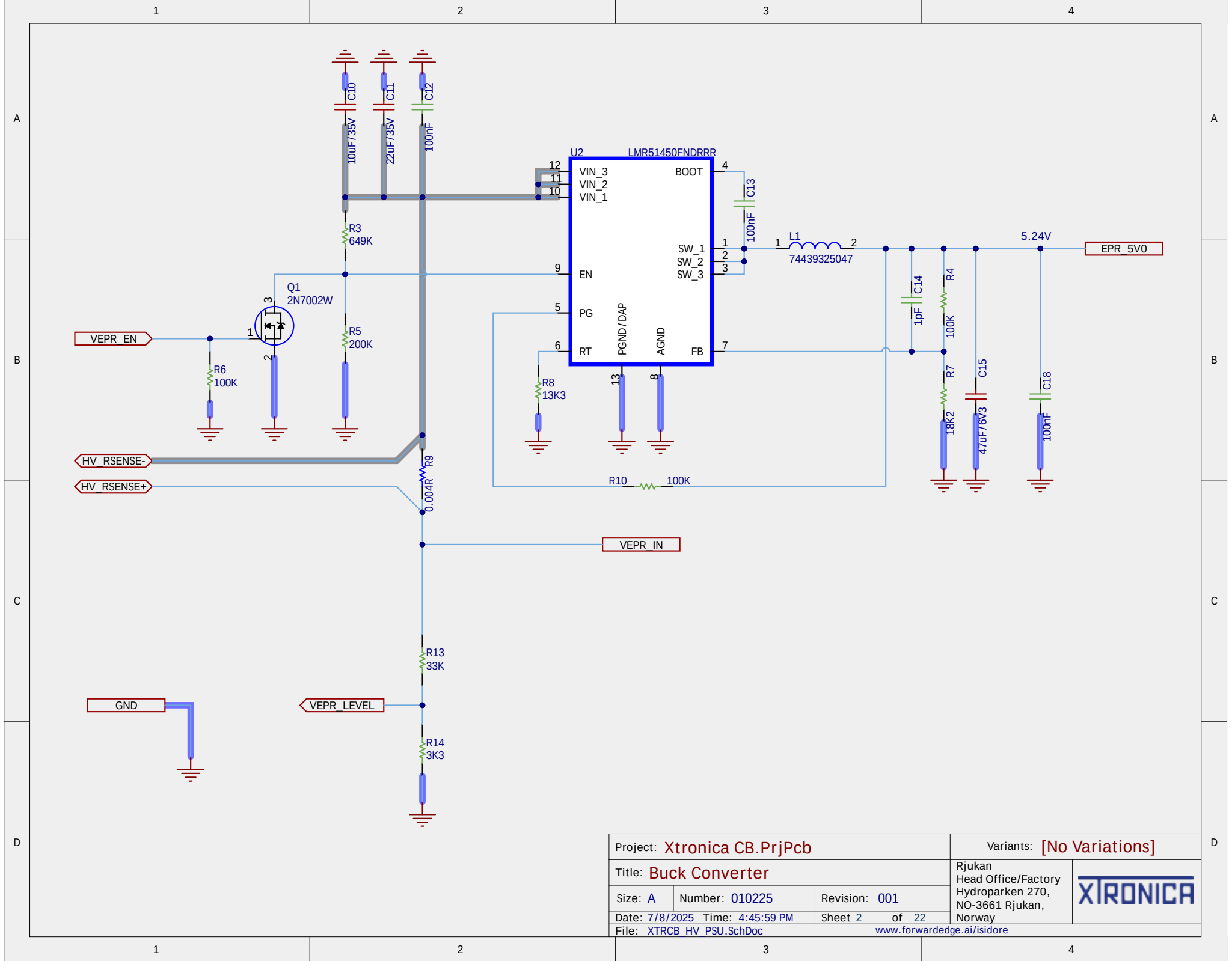
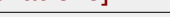
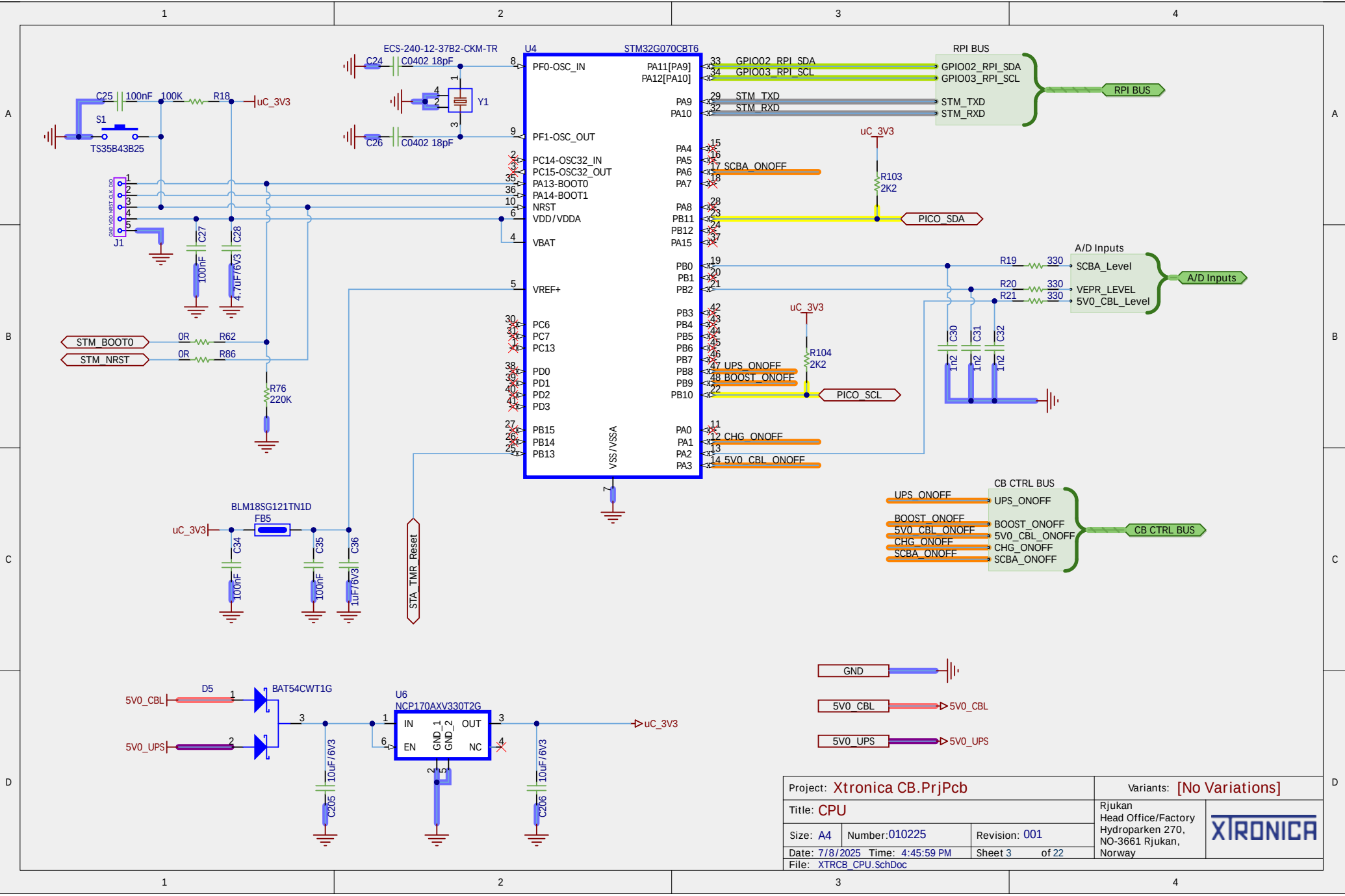


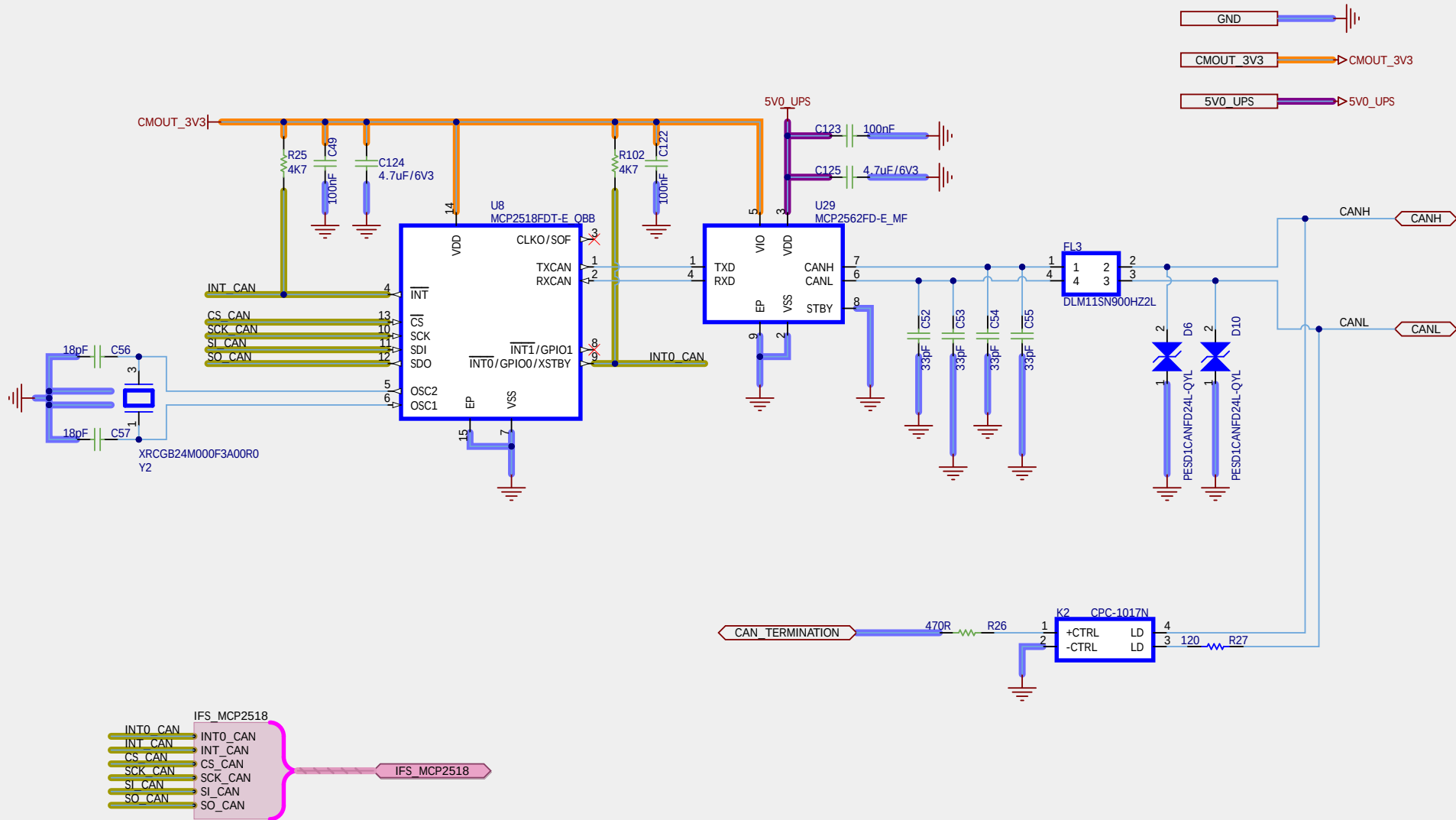




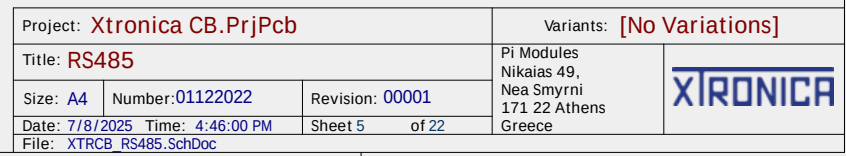
|                                    |                         |                                                                            |                                                                                |                                                                                       |
|------------------------------------|-------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project: <b>Xtronica CB.PrjPcb</b> |                         |                                                                            | Variants: <b>[No Variations]</b>                                               |                                                                                       |
| Title: <b>Buck Converter</b>       |                         |                                                                            | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: <b>A</b>                     | Number: <b>010225</b>   | Revision: <b>001</b>                                                       |                                                                                |                                                                                       |
| Date: <b>7/8/2025</b>              | Time: <b>4:45:59 PM</b> | Sheet <b>2</b> of <b>22</b>                                                |                                                                                |                                                                                       |
| File: <b>XTRCB HV PSU.SchDoc</b>   |                         | <a href="http://www.forwardedge.ai/isidore">www.forwardedge.ai/isidore</a> |                                                                                |                                                                                       |

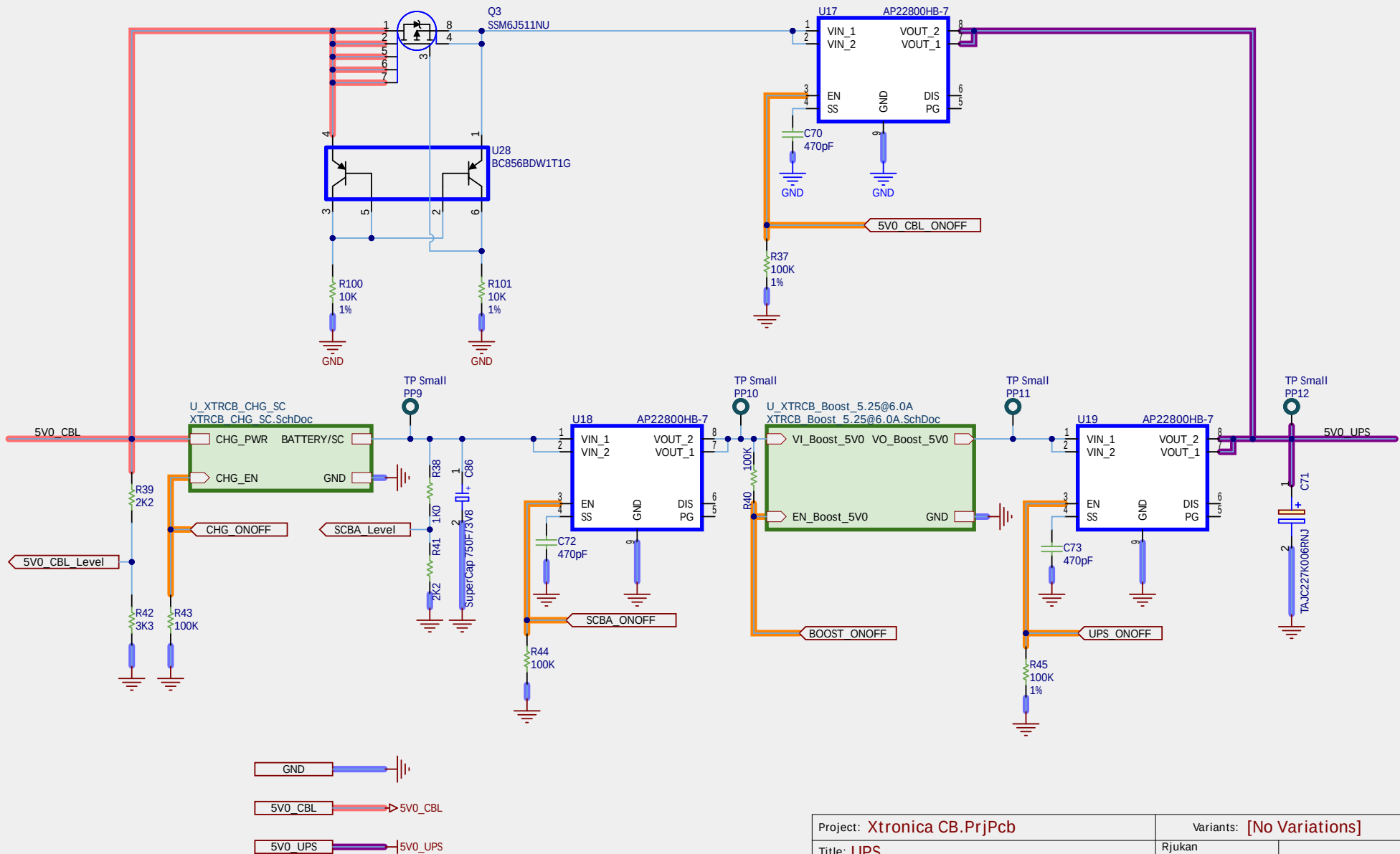


|                             |                  |               |                                                                                |  |
|-----------------------------|------------------|---------------|--------------------------------------------------------------------------------|--|
| Project: Xtronica CB.PrjPcb |                  |               | Variants: [No Variations]                                                      |  |
| Title: CPU                  |                  |               | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: A4                    | Number: 010225   | Revision: 001 |                                                                                |  |
| Date: 7/8/2025              | Time: 4:45:59 PM | Sheet 3 of 22 |                                                                                |  |
| File: XTRCB_CPU.SchDoc      |                  |               |                                                                                |  |

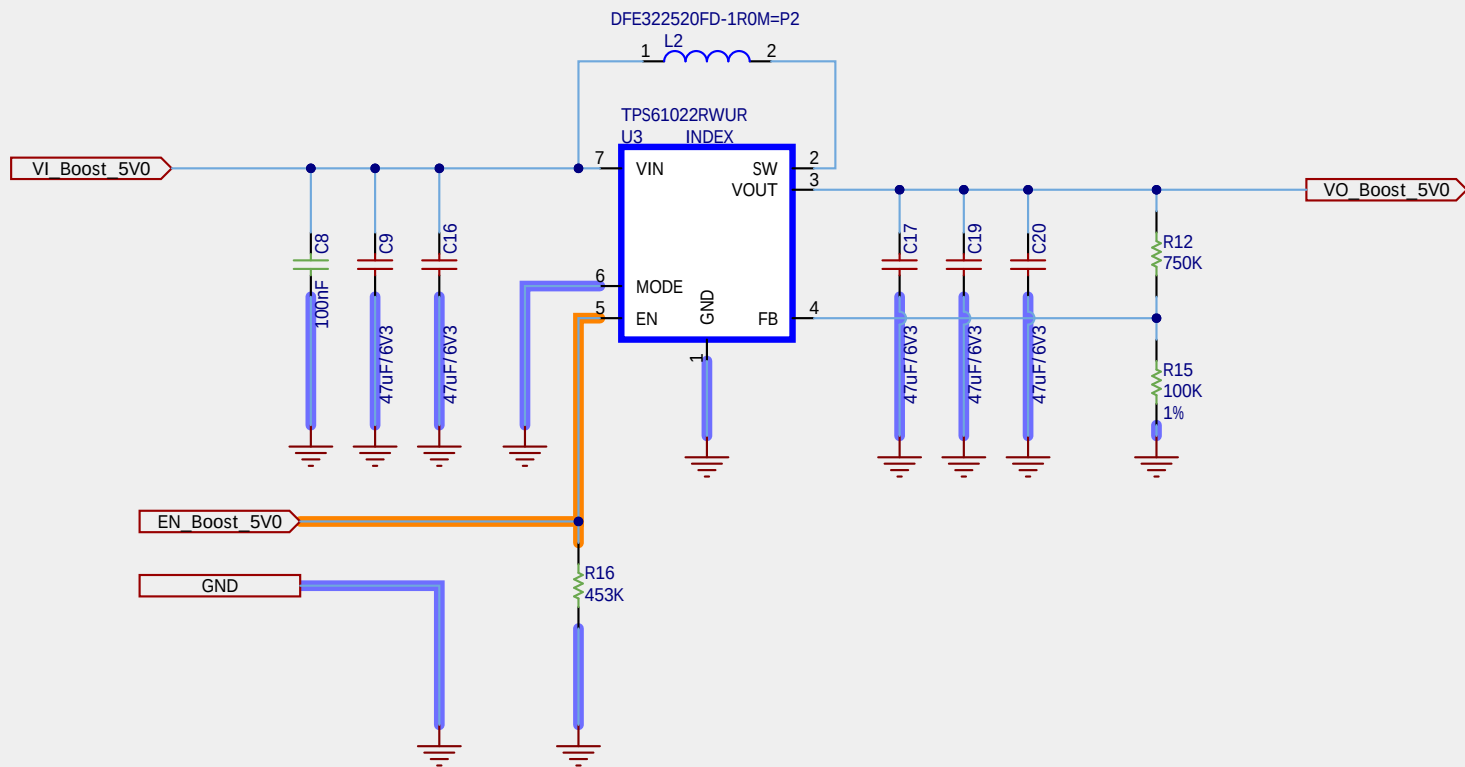


|                                    |                         |                             |                                                                                       |  |
|------------------------------------|-------------------------|-----------------------------|---------------------------------------------------------------------------------------|--|
| Project: <b>Xtronica CB.PrjPcb</b> |                         |                             | Variants: <b>[No Variations]</b>                                                      |  |
| Title: <b>CAN FD Interface</b>     |                         |                             | Pi Modules<br>Nikaias 49,<br>Nea Smyrni<br>171 22 Athens<br>Greece                    |  |
| Size: <b>A4</b>                    | Number: <b>01122022</b> | Revision: <b>00001</b>      |                                                                                       |  |
| Date: <b>7/8/2025</b>              | Time: <b>4:46:00 PM</b> | Sheet <b>4</b> of <b>22</b> |                                                                                       |  |
| File: <b>XTRCB_CANFD.SchDoc</b>    |                         |                             |  |  |

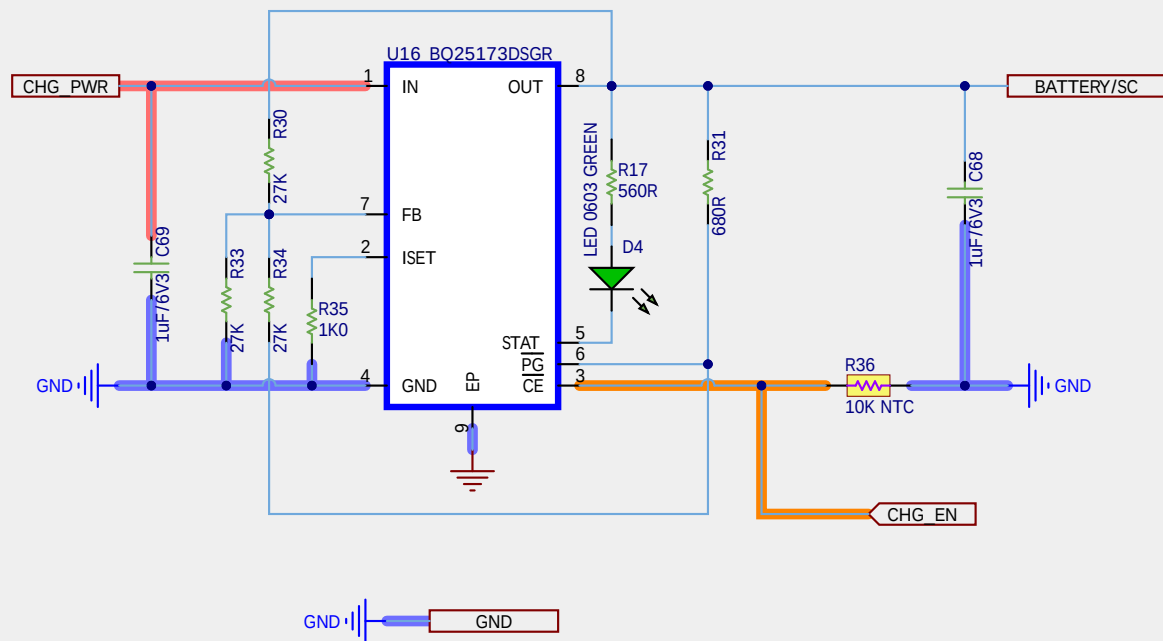




|                                    |                         |                             |                                                                                |  |
|------------------------------------|-------------------------|-----------------------------|--------------------------------------------------------------------------------|--|
| Project: <b>Xtronica CB.PrjPcb</b> |                         |                             | Variants: <b>[No Variations]</b>                                               |  |
| Title: <b>UPS</b>                  |                         |                             | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: <b>A4</b>                    | Number: <b>010225</b>   | Revision: <b>001</b>        |                                                                                |  |
| Date: <b>7/8/2025</b>              | Time: <b>4:46:00 PM</b> | Sheet <b>6</b> of <b>22</b> |                                                                                |  |
| File: <b>XTRCB_UPS.SchDoc</b>      |                         |                             |                                                                                |  |

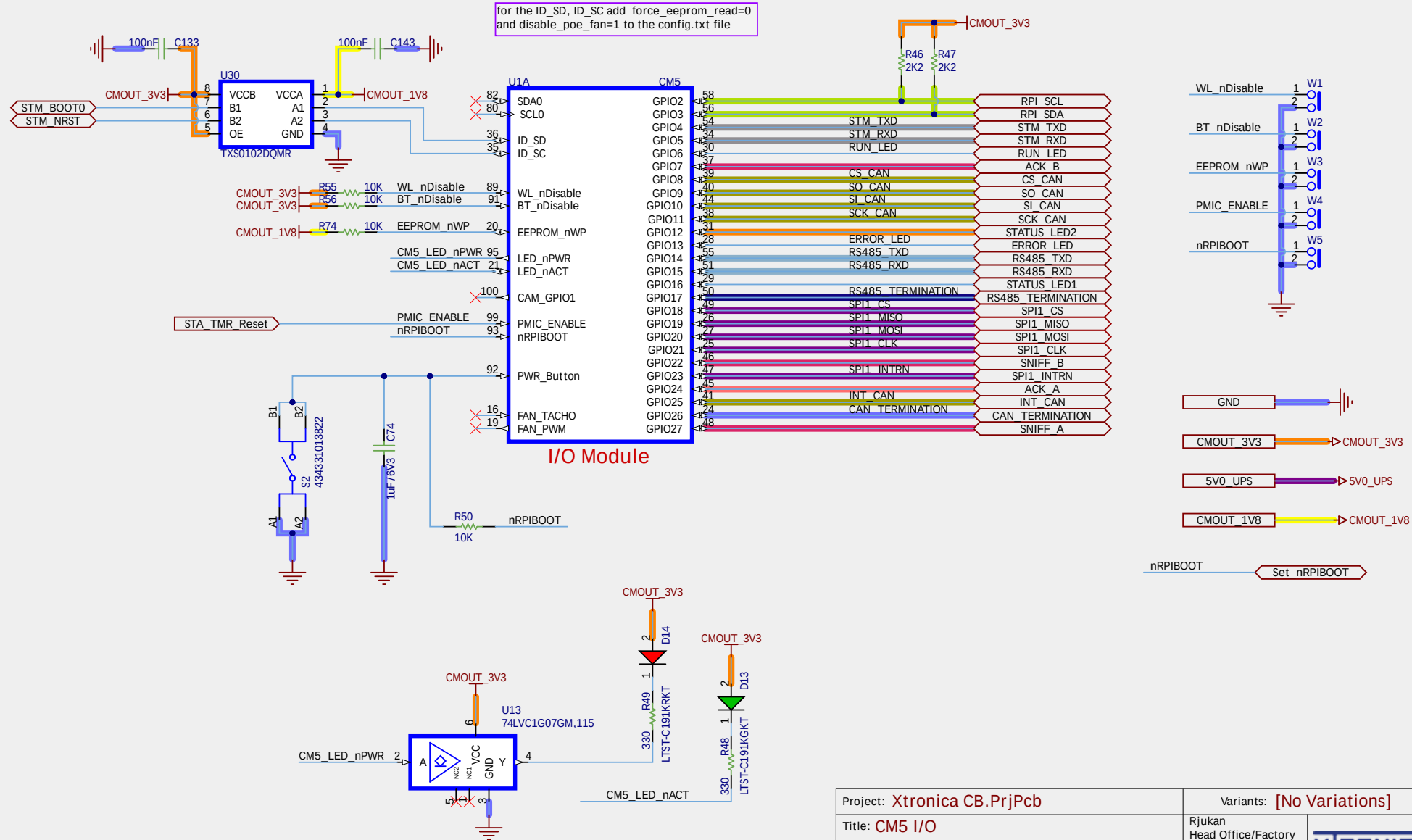


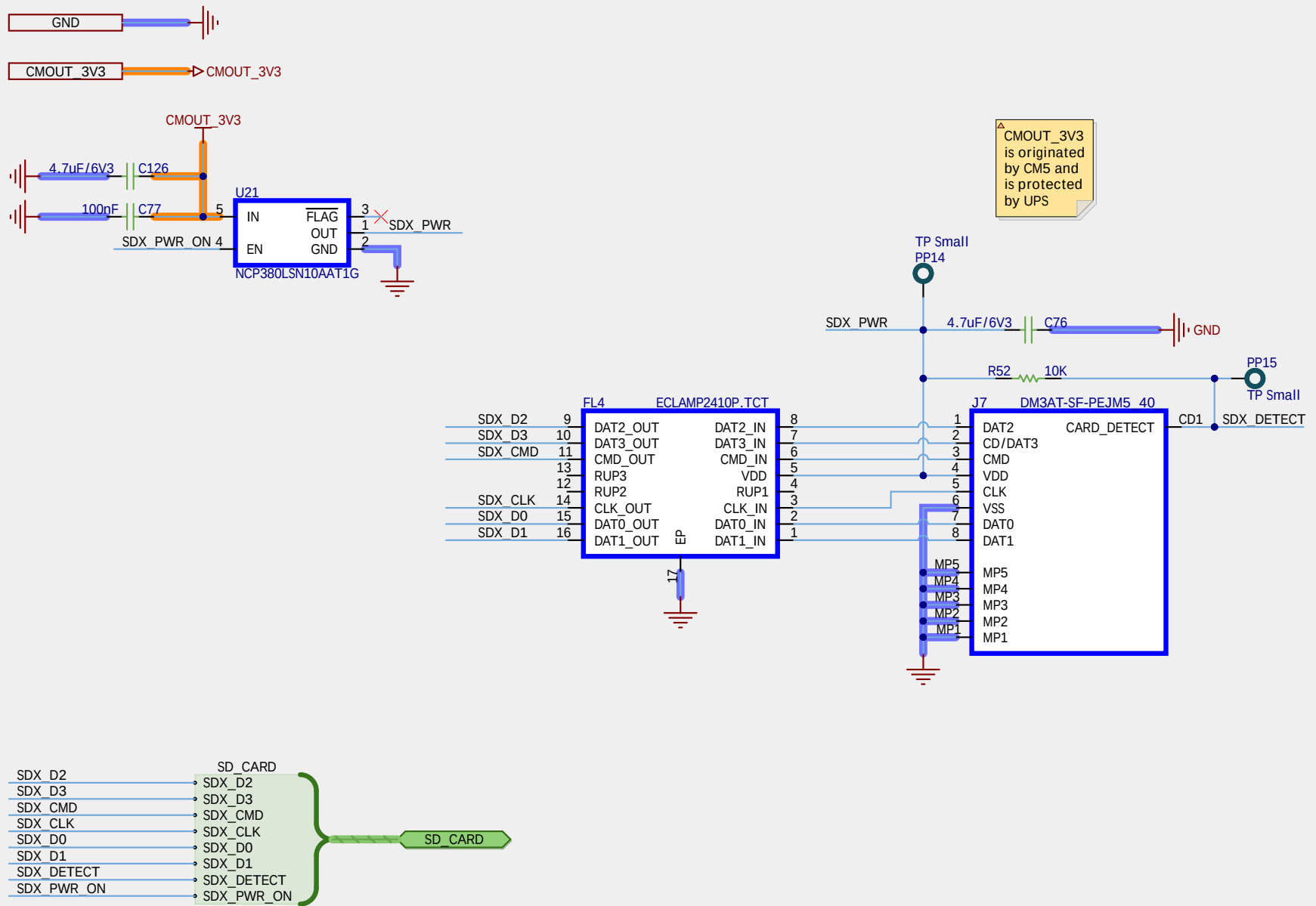
|                                               |                             |                                           |                                                                                       |  |
|-----------------------------------------------|-----------------------------|-------------------------------------------|---------------------------------------------------------------------------------------|--|
| Project: <b>Xtronica CB.PrjPcb</b>            |                             |                                           | Variants: <b>[No Variations]</b>                                                      |  |
| Title: <b>5.25@3A Boost Converter</b>         |                             |                                           | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway        |  |
| Size: <b>A</b>                                | Number: <b>010225</b>       | Revision: <b>001</b>                      |                                                                                       |  |
| Date: <b>7/8/2025</b> Time: <b>4:46:00 PM</b> | Sheet <b>7</b> of <b>22</b> | File: <b>XTRCB Boost 5.25@6.0A.SchDoc</b> |                                                                                       |  |
|                                               |                             |                                           |  |  |



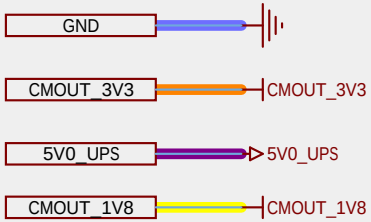
|                                             |                         |                             |                                                                                       |  |
|---------------------------------------------|-------------------------|-----------------------------|---------------------------------------------------------------------------------------|--|
| Project: <b>Xtronica CB.PrjPcb</b>          |                         |                             | Variants: <b>[No Variations]</b>                                                      |  |
| Title: <b>Super Capaciotr Charger 800mA</b> |                         |                             | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway        |  |
| Size: <b>A</b>                              | Number: <b>010225</b>   | Revision: <b>001</b>        |                                                                                       |  |
| Date: <b>7/8/2025</b>                       | Time: <b>4:46:00 PM</b> | Sheet <b>8</b> of <b>22</b> |                                                                                       |  |
| File: <b>XTRCB_CHG_SC.SchDoc</b>            |                         |                             |  |  |



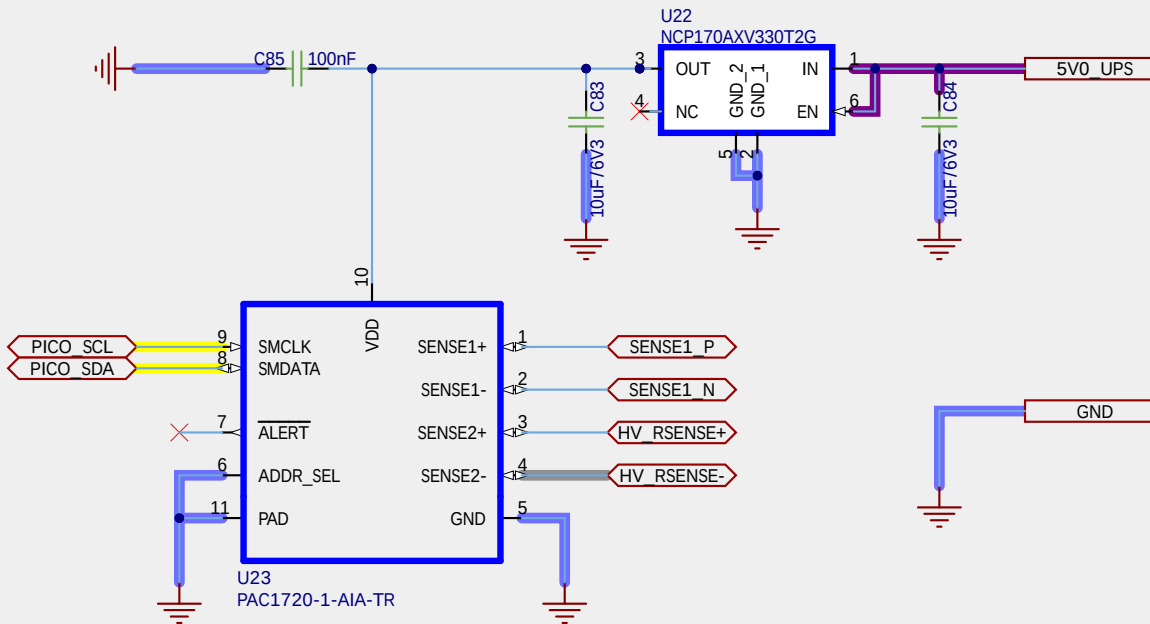




|                                               |                       |                              |                                                                                |  |
|-----------------------------------------------|-----------------------|------------------------------|--------------------------------------------------------------------------------|--|
| Project: <b>Xtronica CB.PrjPcb</b>            |                       |                              | Variants: <b>[No Variations]</b>                                               |  |
| Title: <b>SD_CARD</b>                         |                       |                              | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: <b>A</b>                                | Number: <b>010225</b> | Revision: <b>001</b>         |                                                                                |  |
| Date: <b>7/8/2025</b> Time: <b>4:46:00 PM</b> |                       | Sheet <b>10</b> of <b>22</b> |                                                                                |  |
| File: <b>XTRCB_SD_CARD.SchDoc</b>             |                       |                              |                                                                                |  |

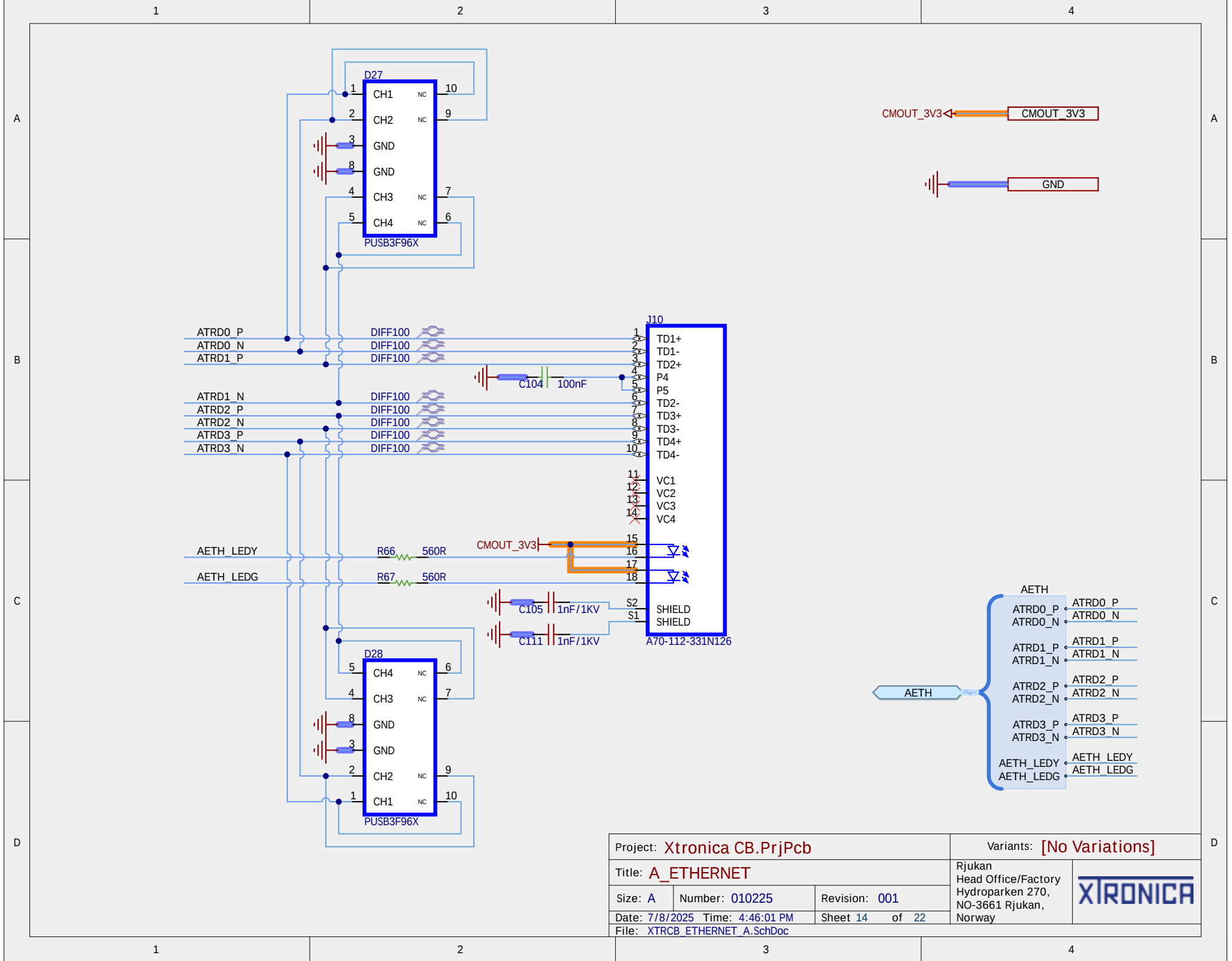


|                                               |                       |                              |                                                                                |                                                                                       |
|-----------------------------------------------|-----------------------|------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project: <b>Xtronica CB.PrjPcb</b>            |                       |                              | Variants: <b>[No Variations]</b>                                               |                                                                                       |
| Title: <b>CM5 Powering</b>                    |                       |                              | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: <b>A</b>                                | Number: <b>010225</b> | Revision: <b>001</b>         |                                                                                |                                                                                       |
| Date: <b>7/8/2025</b> Time: <b>4:46:00 PM</b> |                       | Sheet <b>11</b> of <b>22</b> |                                                                                |                                                                                       |
| File: <b>XTRCB_CM5_POWERING.SchDoc</b>        |                       |                              |                                                                                |                                                                                       |

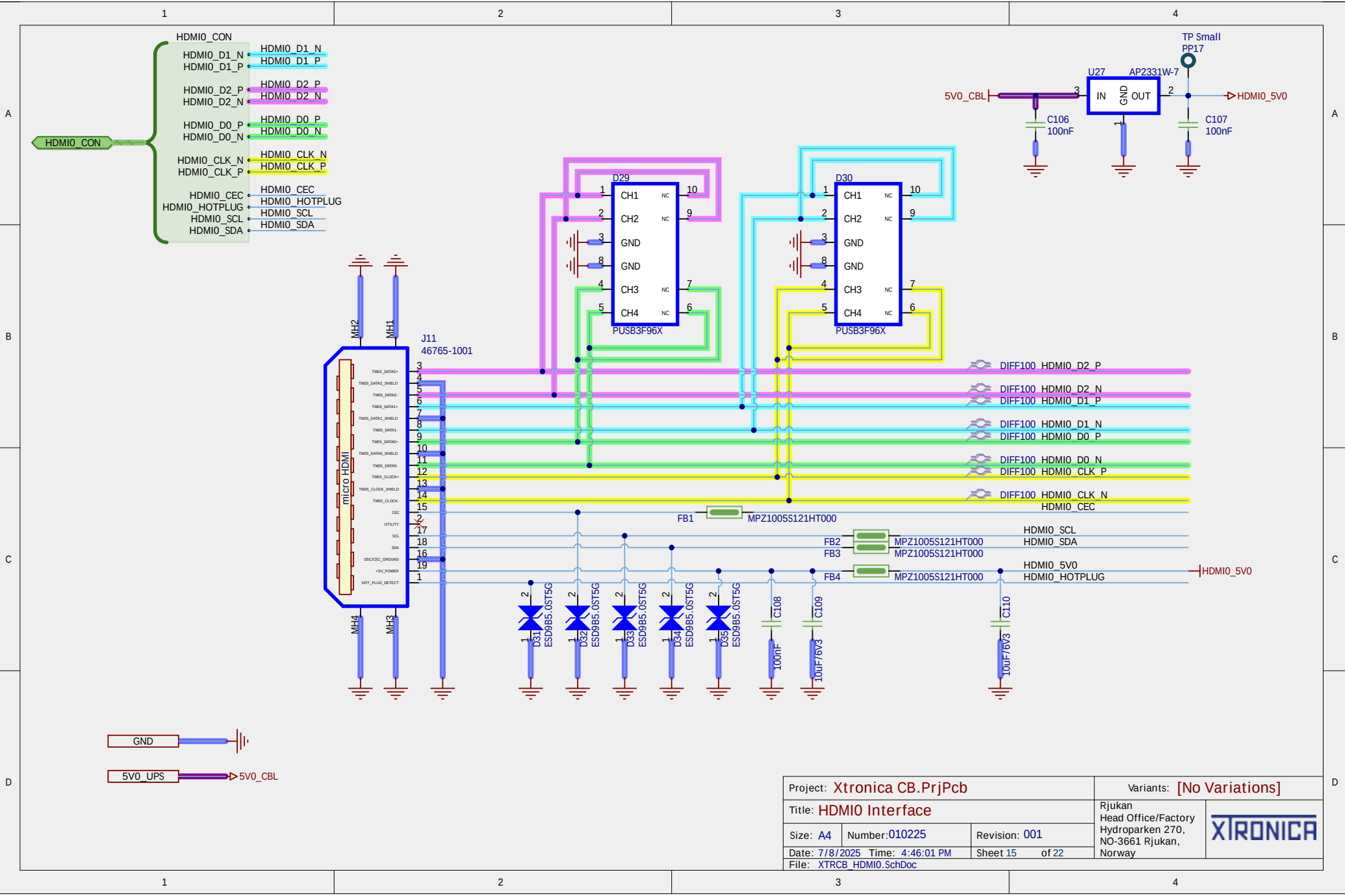


|                                   |                  |                |                                                                                |                                                                                       |
|-----------------------------------|------------------|----------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project: Xtronica CB.PrjPcb       |                  |                | Variants: [No Variations]                                                      |                                                                                       |
| Title: Current Sensor             |                  |                | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: A                           | Number: 010225   | Revision: 001  |                                                                                |                                                                                       |
| Date: 7/8/2025                    | Time: 4:46:01 PM | Sheet 12 of 22 |                                                                                |                                                                                       |
| File: XTRCB_Current_Sensor.SchDoc |                  |                |                                                                                |                                                                                       |

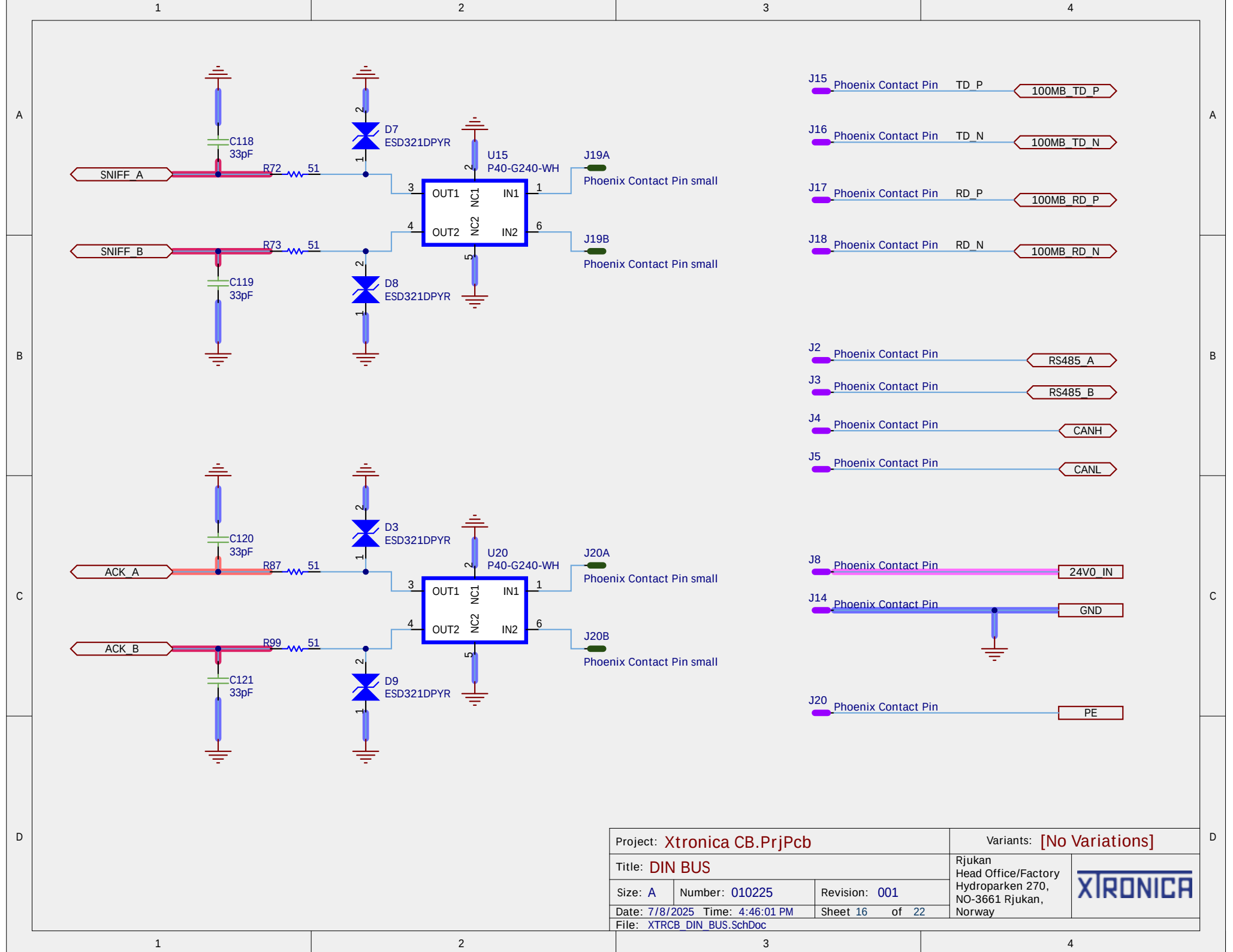




|                                 |                |                |                                                                                |  |
|---------------------------------|----------------|----------------|--------------------------------------------------------------------------------|--|
| Project: Xtronica CB.PrjPcb     |                |                | Variants: [No Variations]                                                      |  |
| Title: A_ETHERNET               |                |                | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: A                         | Number: 010225 | Revision: 001  |                                                                                |  |
| Date: 7/8/2025 Time: 4:46:01 PM |                | Sheet 14 of 22 |                                                                                |  |
| File: XTRCB_ETHERNET_A.SchDoc   |                |                |                                                                                |  |



|                             |                  |                |                                                                                |  |
|-----------------------------|------------------|----------------|--------------------------------------------------------------------------------|--|
| Project: Xtronica CB.PrjPcb |                  |                | Variants: [No Variations]                                                      |  |
| Title: HDMI0 Interface      |                  |                | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: A4                    | Number: 010225   | Revision: 001  |                                                                                |  |
| Date: 7/8/2025              | Time: 4:46:01 PM | Sheet 15 of 22 |                                                                                |  |
| File: XTRCB_HDMI0.SchDoc    |                  |                |                                                                                |  |



|                                               |                       |                              |                                                                                                                          |  |
|-----------------------------------------------|-----------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------|--|
| Project: <b>Xtronica CB.PrjPcb</b>            |                       |                              | Variants: <b>[No Variations]</b>                                                                                         |  |
| Title: <b>DIN BUS</b>                         |                       |                              | <div>Rjukan<br/>Head Office/Factory<br/>Hydroparken 270,<br/>NO-3661 Rjukan,<br/>Norway</div> <div><b>XTRONICA</b></div> |  |
| Size: <b>A</b>                                | Number: <b>010225</b> | Revision: <b>001</b>         |                                                                                                                          |  |
| Date: <b>7/8/2025</b> Time: <b>4:46:01 PM</b> |                       | Sheet <b>16</b> of <b>22</b> |                                                                                                                          |  |
| File: <b>XTRCB DIN BUS.SchDoc</b>             |                       |                              |                                                                                                                          |  |

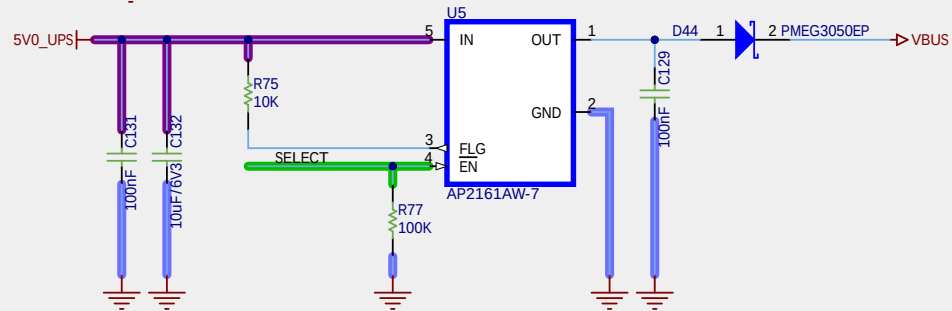
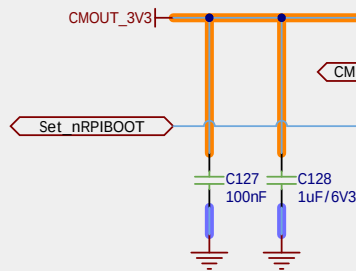


GND

5V0\_UPS → 5V0\_UPS

CMOUT\_3V3 → CMOUT\_3V3

CM5\_USB\_P CM4\_USB\_P DIFF90  
CM5\_USB\_N CM4\_USB\_N DIFF90



|                                  |                  |                |                                                                                |  |
|----------------------------------|------------------|----------------|--------------------------------------------------------------------------------|--|
| Project: Xtronica CB.PrjPcb      |                  |                | Variants: [No Variations]                                                      |  |
| Title: USB2.0 UFP DFP USBC       |                  |                | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: A4                         | Number: 010225   | Revision: 001  |                                                                                |  |
| Date: 7/8/2025                   | Time: 4:46:01 PM | Sheet 17 of 22 |                                                                                |  |
| File: USB2.0 UFP DFP USBC.SchDoc |                  |                |                                                                                |  |

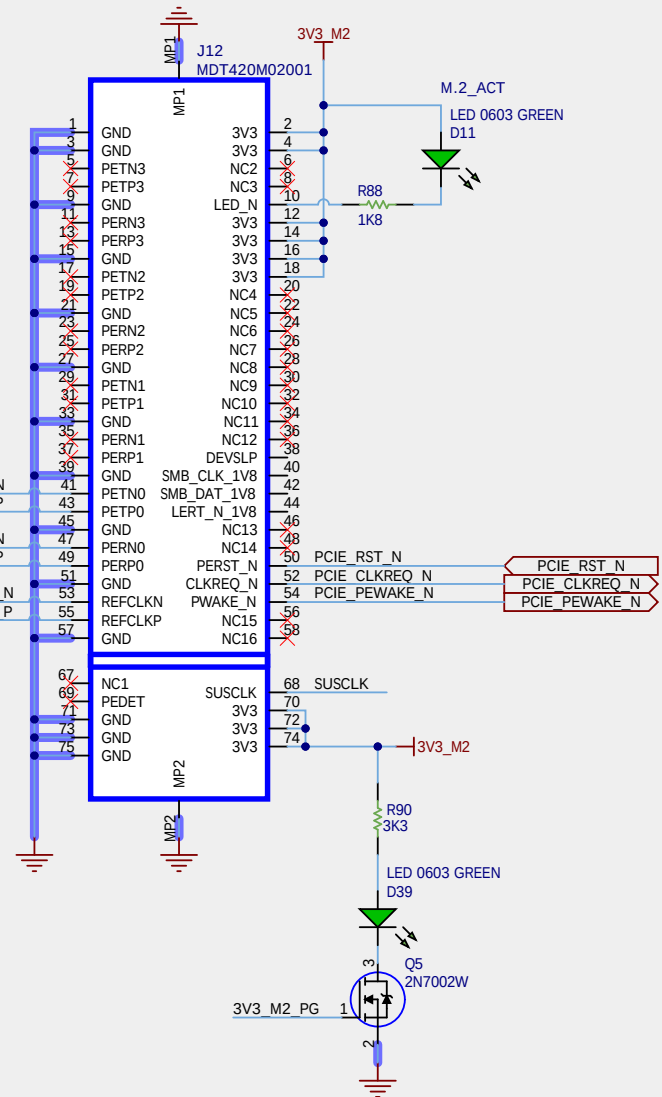
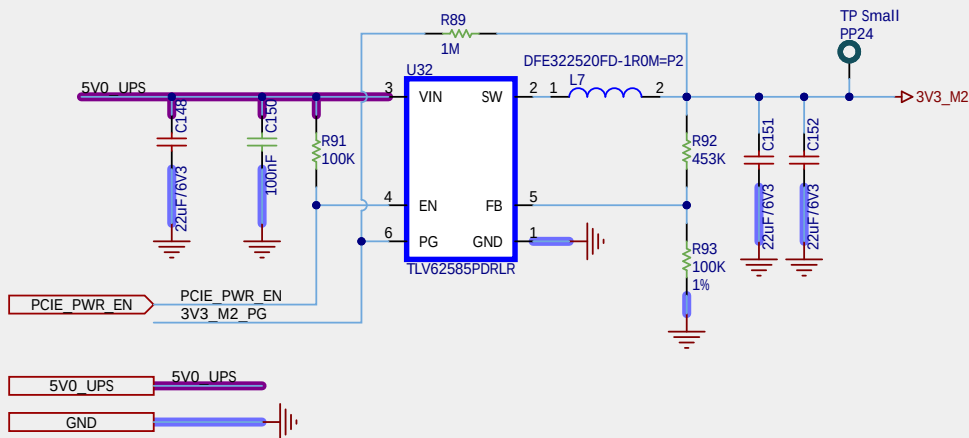
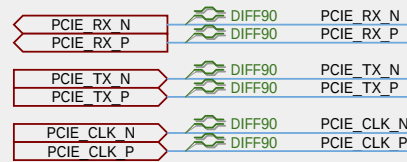
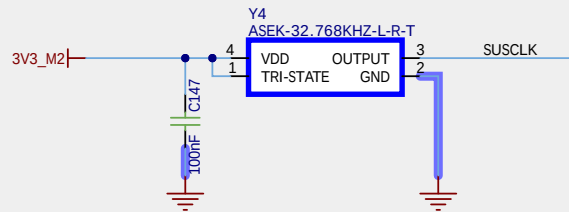
XTRONICA

1

2

3

4



Project: Xtronica CB.PrjPcb

Variants: [No Variations]

Title: M.2 Interface

Rjukan  
Head Office/Factory  
Hydroparken 270,  
NO-3661 Rjukan,  
Norway

XTRONICA

Size: A4 Number: 010225

Revision: 001

Date: 7/8/2025 Time: 4:46:01 PM

Sheet 18 of 22

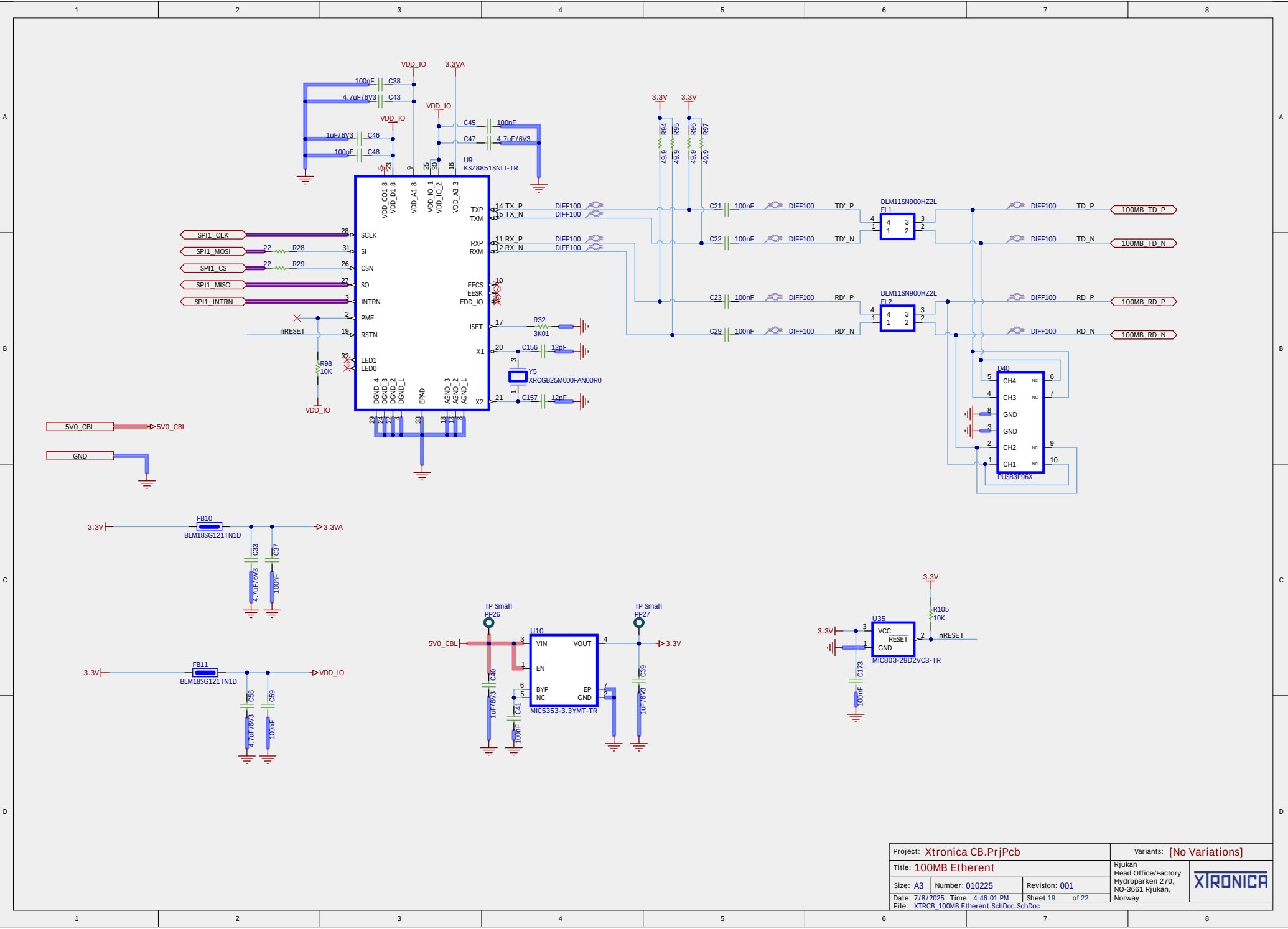
File: XTRCB M.2.SchDoc

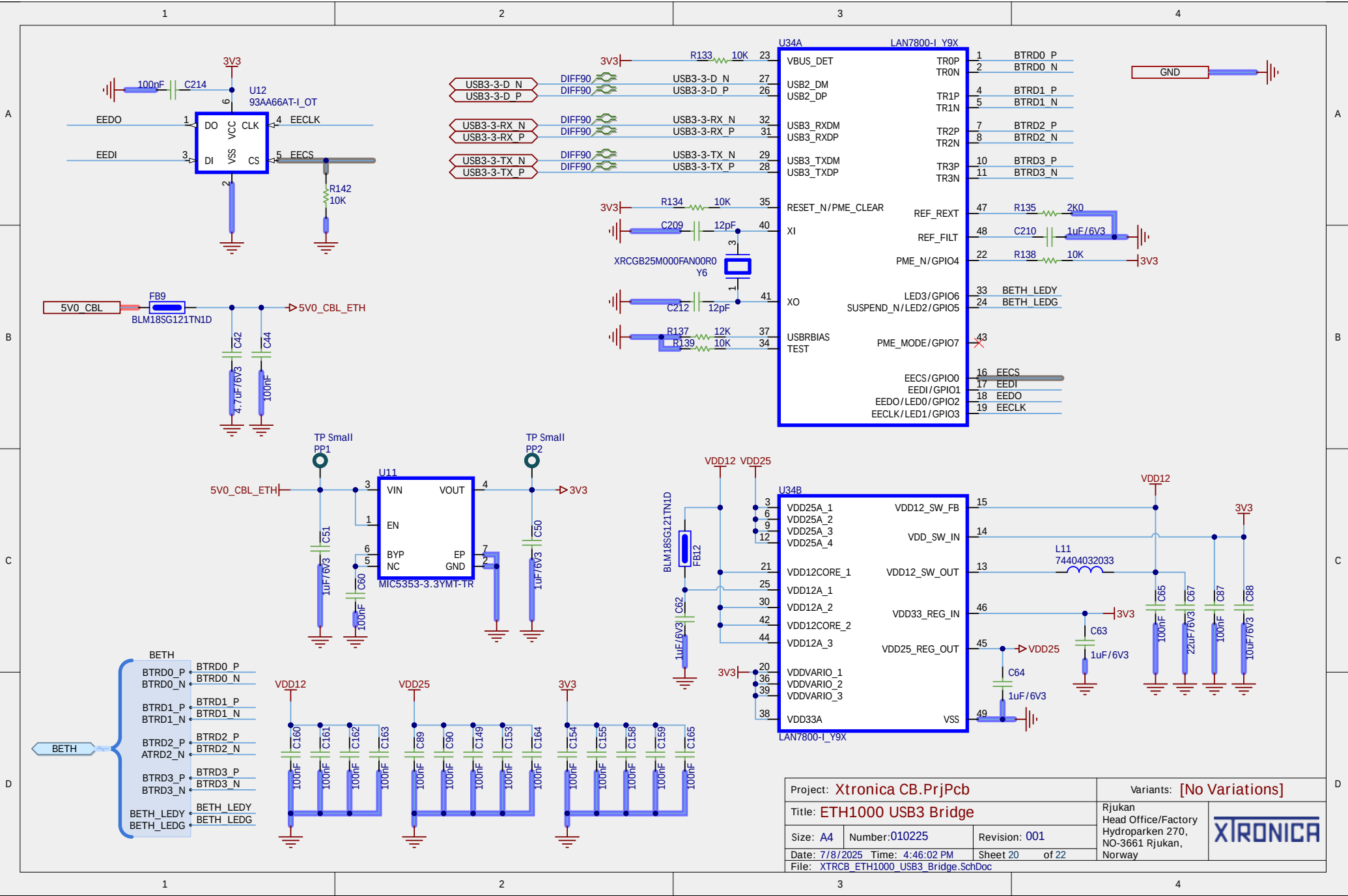
1

2

3

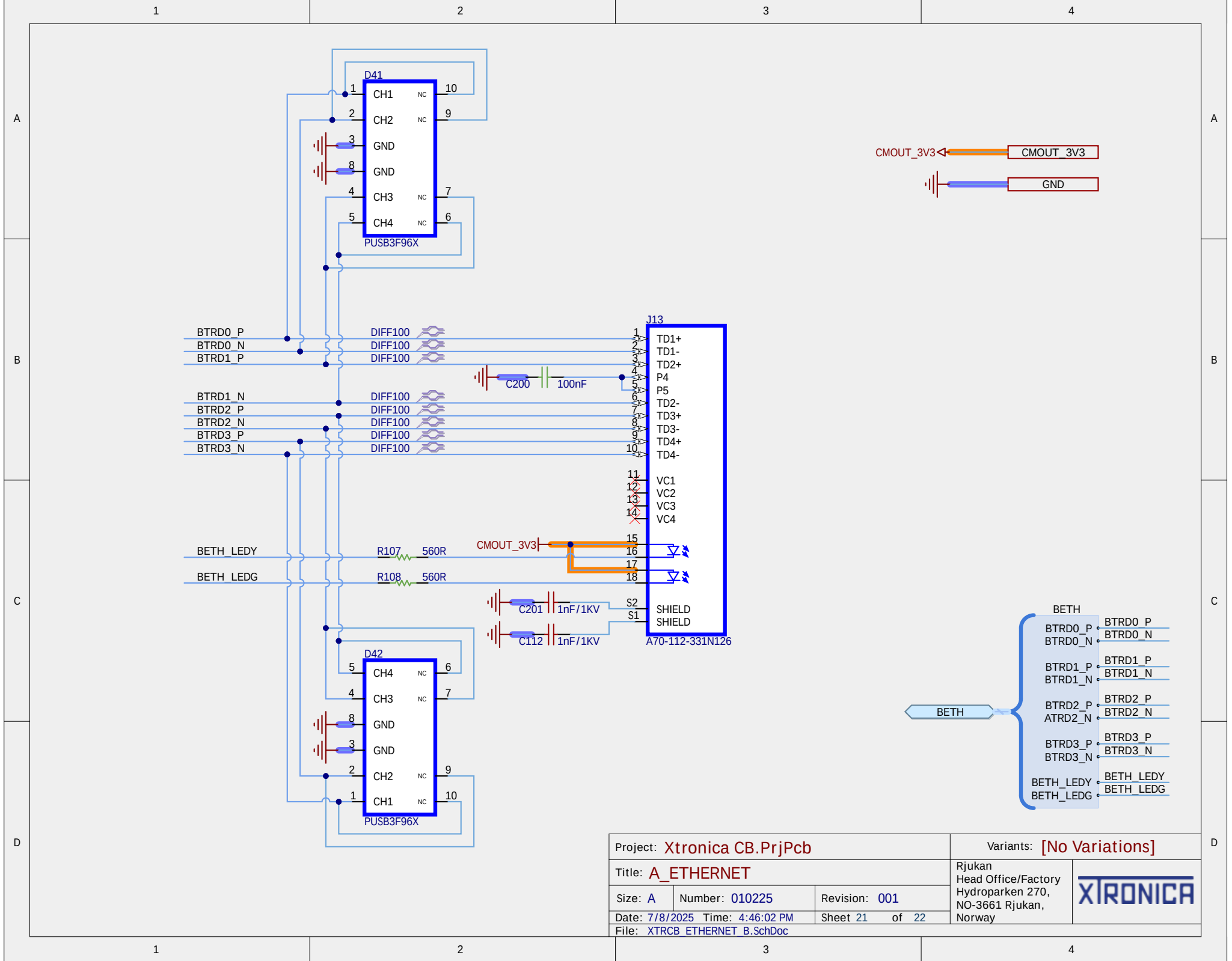
4





|                                        |                  |                |                                                                                |  |
|----------------------------------------|------------------|----------------|--------------------------------------------------------------------------------|--|
| Project: Xtronica CB.PrjPcb            |                  |                | Variants: [No Variations]                                                      |  |
| Title: ETH1000 USB3 Bridge             |                  |                | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: A4                               | Number: 010225   | Revision: 001  |                                                                                |  |
| Date: 7/8/2025                         | Time: 4:46:02 PM | Sheet 20 of 22 |                                                                                |  |
| File: XTRCB_ETH1000_USB3_Bridge.SchDoc |                  |                |                                                                                |  |





|                                 |                |                |                                                                                |                                                                                       |
|---------------------------------|----------------|----------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project: Xtronica CB.PrjPcb     |                |                | Variants: [No Variations]                                                      |                                                                                       |
| Title: A_ETHERNET               |                |                | Rjukan<br>Head Office/Factory<br>Hydroparken 270,<br>NO-3661 Rjukan,<br>Norway |  |
| Size: A                         | Number: 010225 | Revision: 001  |                                                                                |                                                                                       |
| Date: 7/8/2025 Time: 4:46:02 PM |                | Sheet 21 of 22 |                                                                                |                                                                                       |
| File: XTRCB_ETHERNET_B.SchDoc   |                |                |                                                                                |                                                                                       |

