
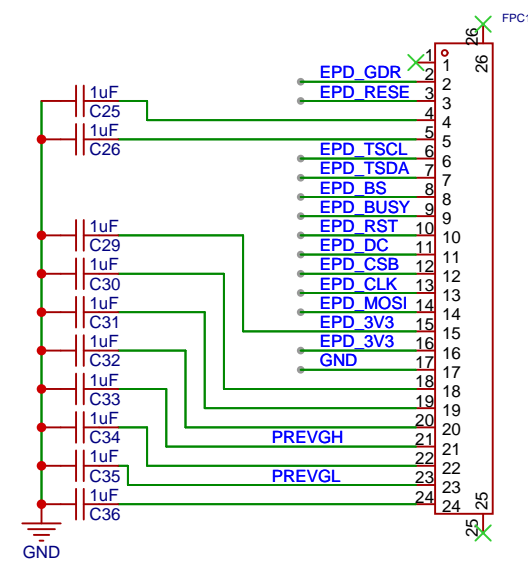
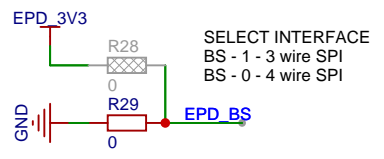
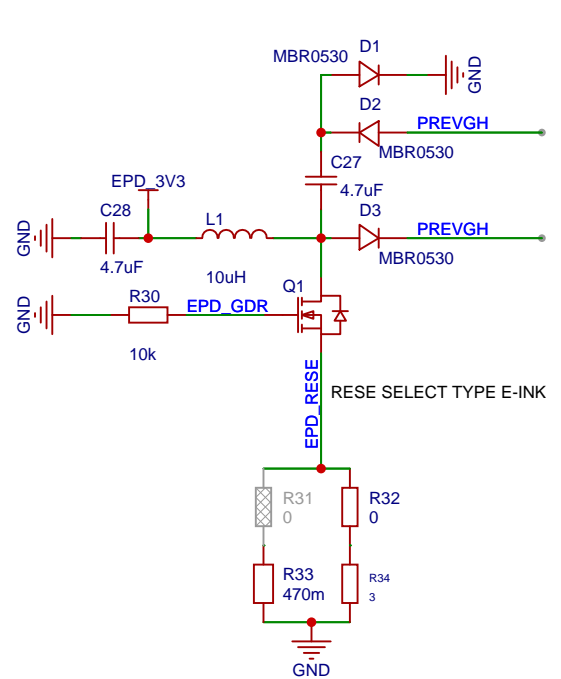


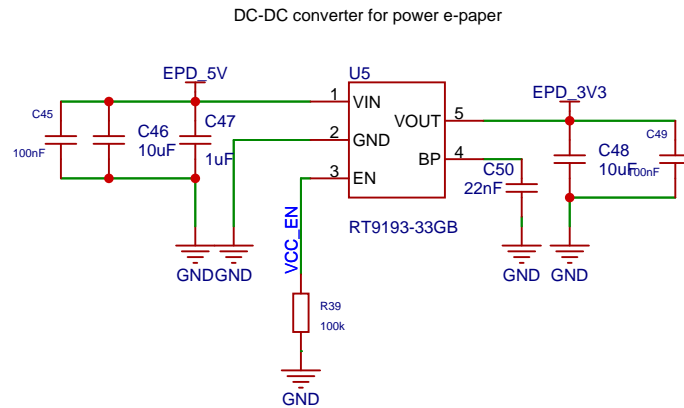
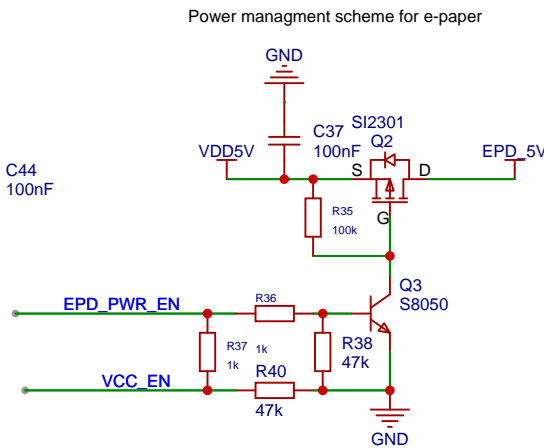
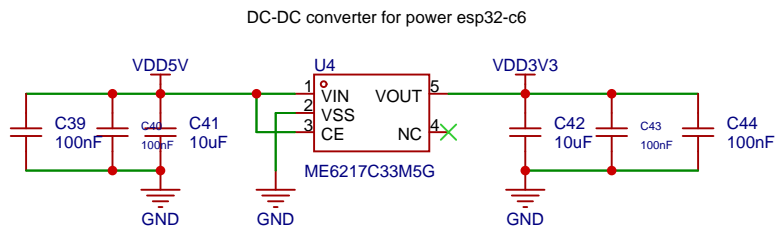
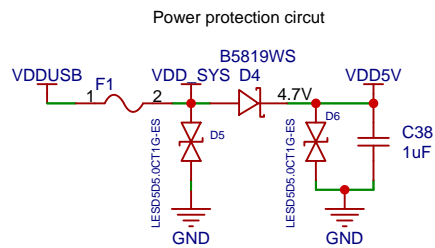
Pinout map Altruist insight


| GPIO ESP32C6 | E-Ink | SD Card | Peripheral | Other |
|--------------|------------|---------|------------|--------|
| IO0 | | | s | B_D |
| IO1 | | | | B_S |
| IO2 | | | I2C_SDA | |
| IO3 | | | I2C_SCL | |
| IO4 | | | | |
| IO5 | | | | |
| IO6 | | EPD_MO | | |
| IO7 | | EPD_CLK | | |
| IO8 | | | | |
| IO9 | | | | BOOT |
| IO10 | | | | B_U |
| IO11 | | | | RGB_IO |
| IO12 | | | | USB_N |
| IO13 | | | | USB_P |
| IO14 | | | | |
| IO15 | EPD_RST | | | |
| TXD | EPD_PWR_EN | | | |
| RXD | EPD_BUSY | | | |
| IO18 | | SD_MISO | | |
| IO19 | | SD_CS | | |
| IO20 | EPD_MOSI | | | |
| IO21 | EPD_CLK | | | |
| IO22 | EPD_CSB | | | |
| IO23 | EPD_DC | | | |

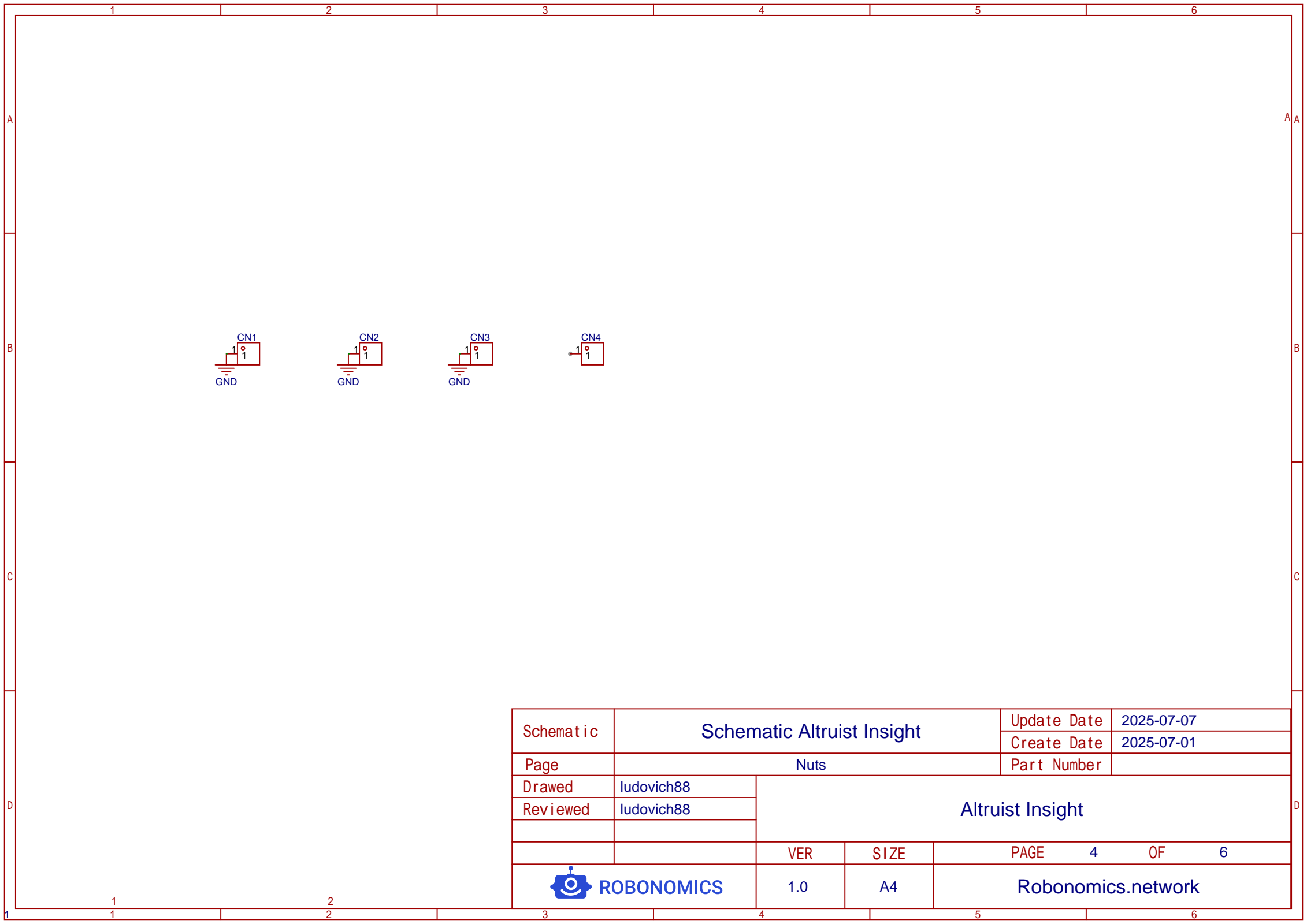
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| | | | | Create Date | 2025-07-01 |
| Page | Core | | | Part Number | |
| Drawed | Iudovich88 | Altruist Insight | | | |
| Reviewed | PavelSheremetev | | | | |
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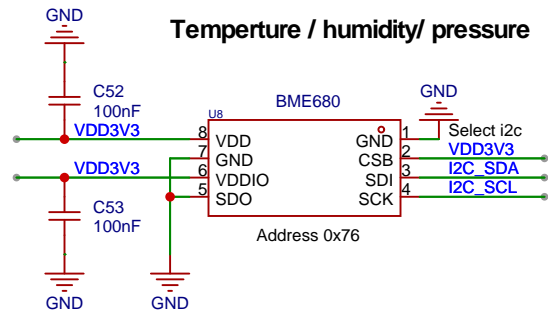
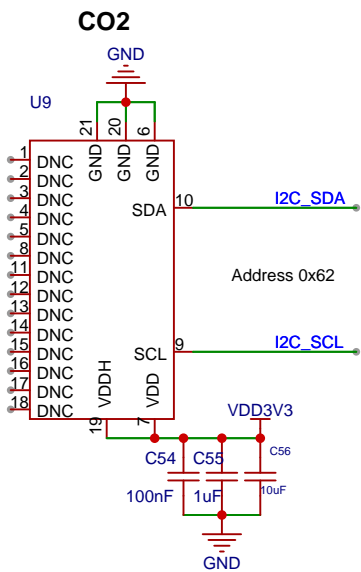


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| Page | e-paper | | Part Number | |
| Drawed | Iudovich88 | Altruist Insight | | |
| Reviewed | PavelSheremetev | | | |
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| ROBONOMICS | | 1.0 | A3 | ROBONOMICS.NETWORK |

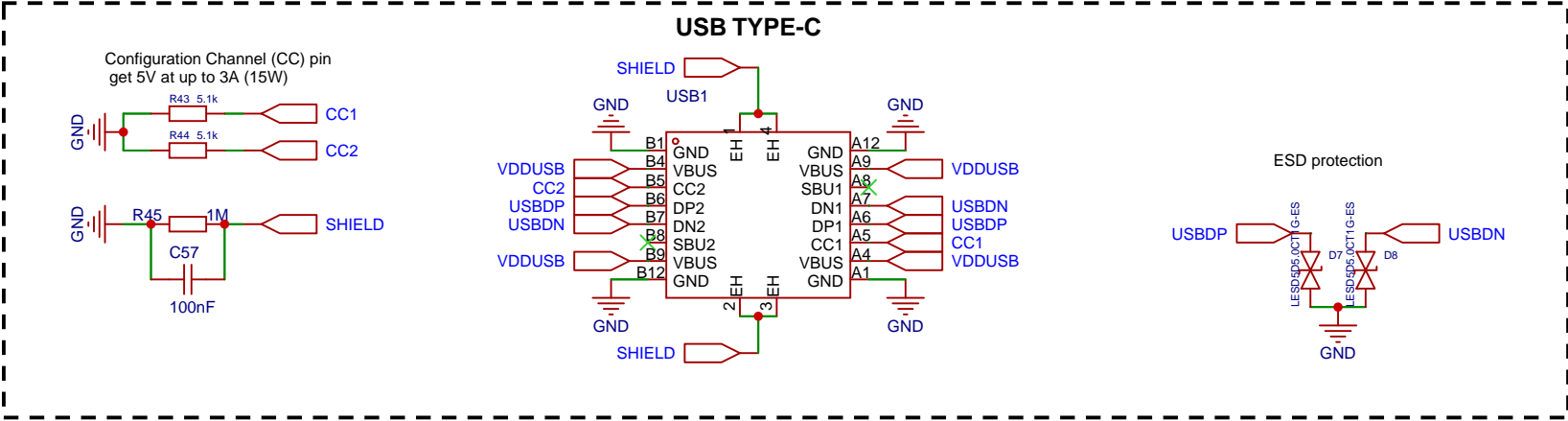


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| Page | Power | | | Part Number | RNDR-1 |
| Drawed | Iudovich88 | Altruist Insight | | | |
| Reviewed | PavelSheremetev | | | | |
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| | | VER | SIZE | PAGE | 3 OF 6 |
|  ROBONOMICS | | 1.0 | A3 | ROBONOMICS.NETWORK | |





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| Schematic | Schematic Altruist Insight | | Update Date | 2025-07-07 |
| | | | Create Date | 2025-07-01 |
| Page | Sensors | | Part Number | |
| Drawed | Iudovich88 | Altruist Insight | | |
| Reviewed | PavelSheremetev | | | |
| | | VER | SIZE | PAGE 5 OF 6 |
| ROBONOMICS | | 1.0 | A3 | ROBONOMICS.NETWORK |



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| Schematic | Schematic Altruist Insight | | Update Date | 2025-07-07 |
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| Drawed | Iudovich88 | Altruist Insight | | |
| Reviewed | PavelSheremetev | | | |
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| | | VER | SIZE | PAGE 6 OF 6 |
| ROBONOMICS | | 1.0 | A4 | Robonomics.network |