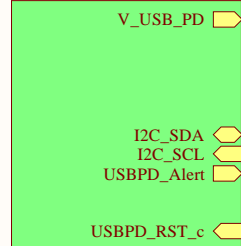


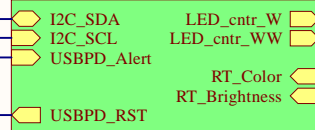
USB PD
Sheet2_USB-PD.SchDoc



PSU
Sheet4_PSU.SchDoc



MCU
Sheet3_MCU.SchDoc



VAIN max: 1.224V

SW_open: device off -> USB PD reset high
SW_closed: device on -> USB PD reset low

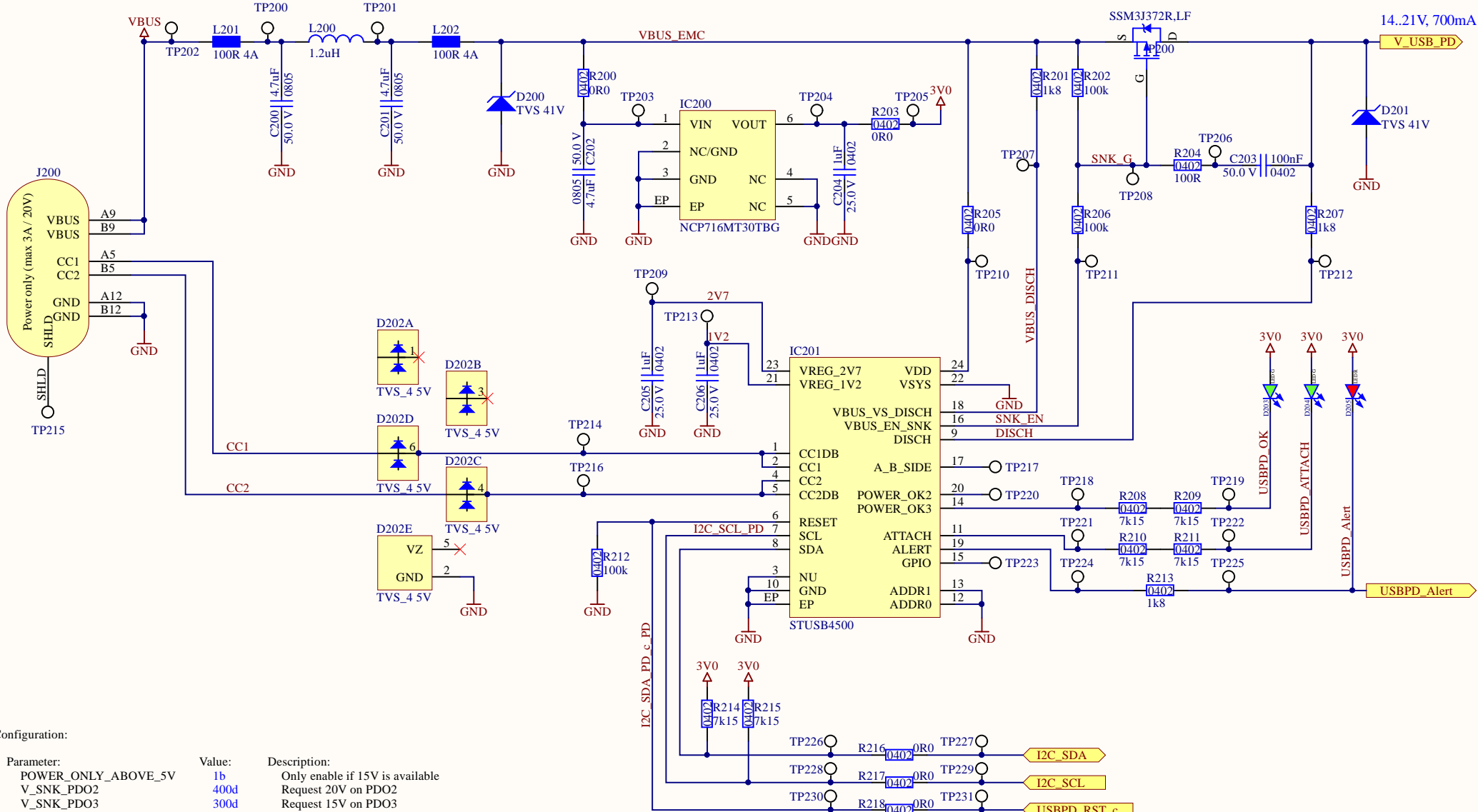


Title **LED_panel.PrjPcb**

M.Tetard
2024-01 / Freiburg



| | | |
|------------------------------|----------------|---------------|
| Size: A4 | Number:1 | Revision:V1.0 |
| Date: 04.01.2024 | Time: 17:00:58 | Sheet 1 of 4 |
| File: Sheet1_Overview.SchDoc | | |



Configuration:

| Parameter: | Value: | Description: |
|---------------------|--------|---------------------------------|
| POWER_ONLY_ABOVE_5V | 1b | Only enable if 15V is available |
| V_SNK_PDO2 | 400d | Request 20V on PDO2 |
| V_SNK_PDO3 | 300d | Request 15V on PDO3 |
| L_SNK_PDO2 | 0010b | Request 750mA on PDO2 (20V) |
| L_SNK_PDO3 | 0010b | Request 750mA on PDO3 (15V) |

Priority:

1. 15V, 750mA
2. 20V, 750mA
- 3: off

Title **LED_panel.PrjPcb**

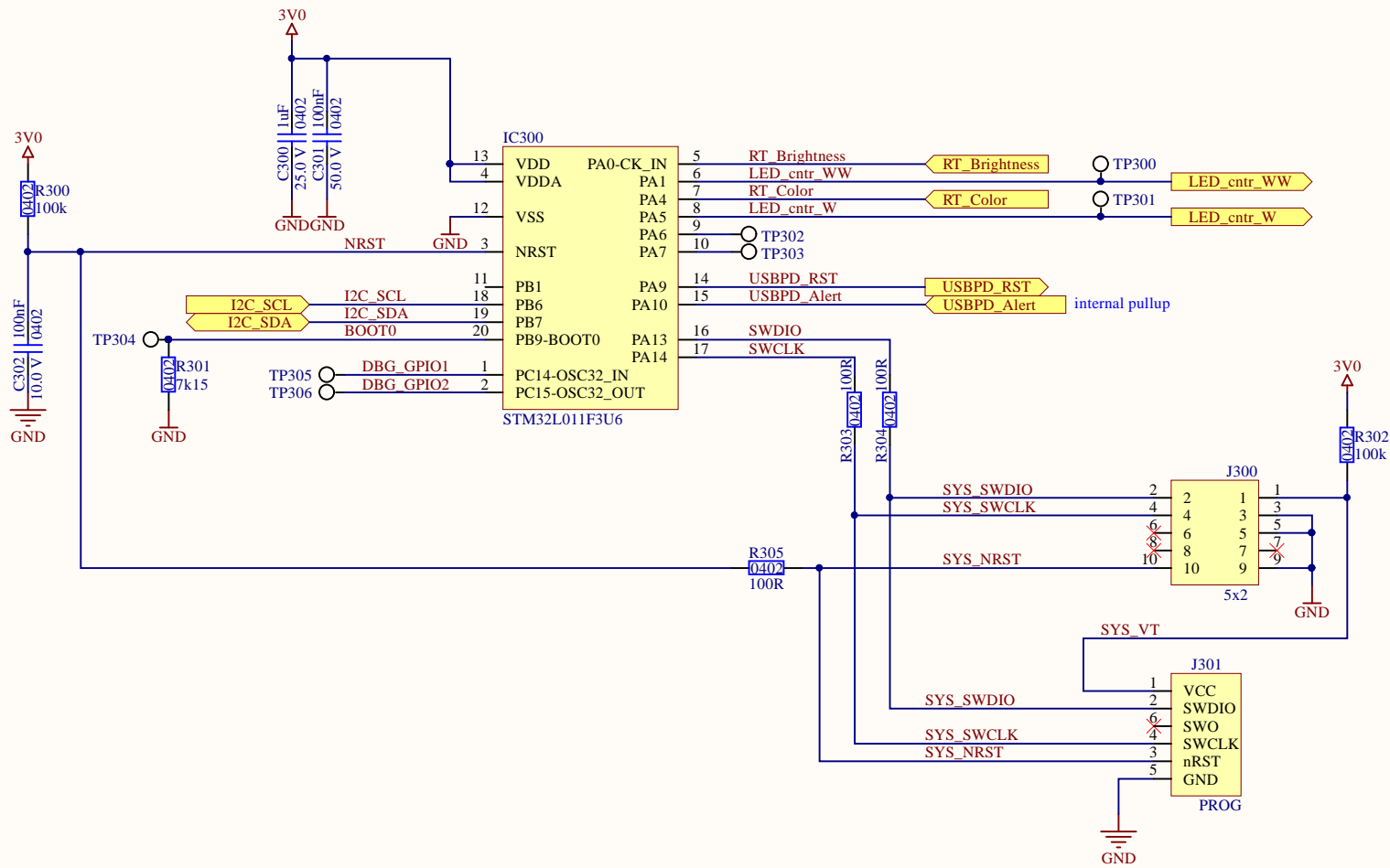
M.Tetard
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Size: A4 Number:2 Revision:V1.0

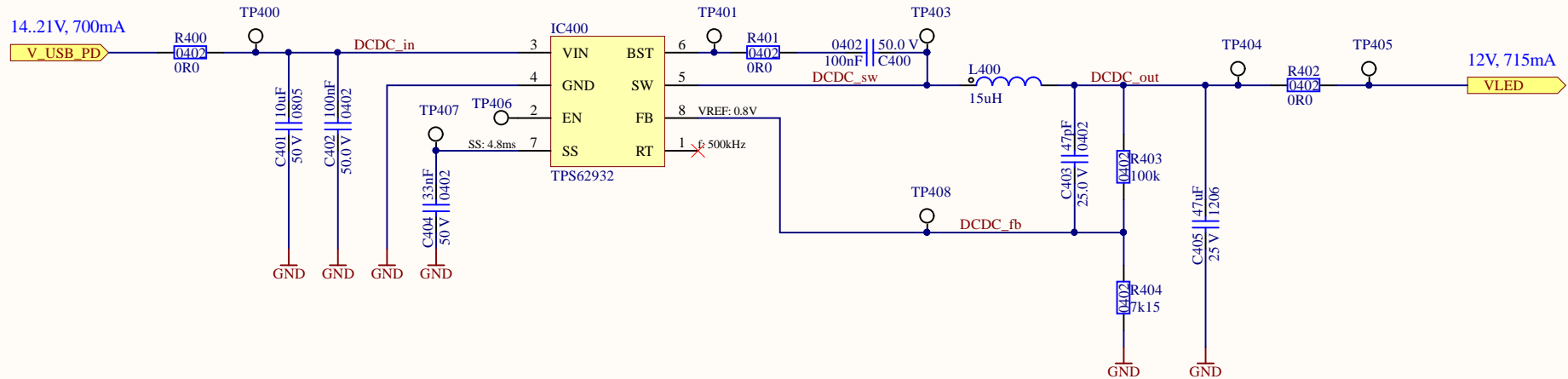
Date: 04.01.2024 Time: 17:00:58 Sheet2 of 4


File: Sheet2_USB-PD.SchDoc





| | | | | | |
|--------------------------------|-----------------------|---------------|---------------------------------------|--|---|
| Title LED_panel.PrjPcb | | | <i>M.Tetard</i> 2024-01 / Freiburg | |  |
| Size: A4 | Number:3 | Revision:V1.0 | | | |
| Date: 04.01.2024 | Time: 17:00:59 | Sheet3 of 4 | | | |
| File: Sheet3_MCU.SchDoc | | | | | |



| | | | | |
|-------------------------------|----------------|---------------|--------------------------------|---|
| Title LED_panel.PrjPcb | | | M.Tetard 2024-01 / Freiburg |  |
| Size: A4 | Number:4 | Revision:V1.0 | | |
| Date: 04.01.2024 | Time: 17:00:59 | Sheet4 of 4 | | |
| File: Sheet4_PSU.SchDoc | | | | |

