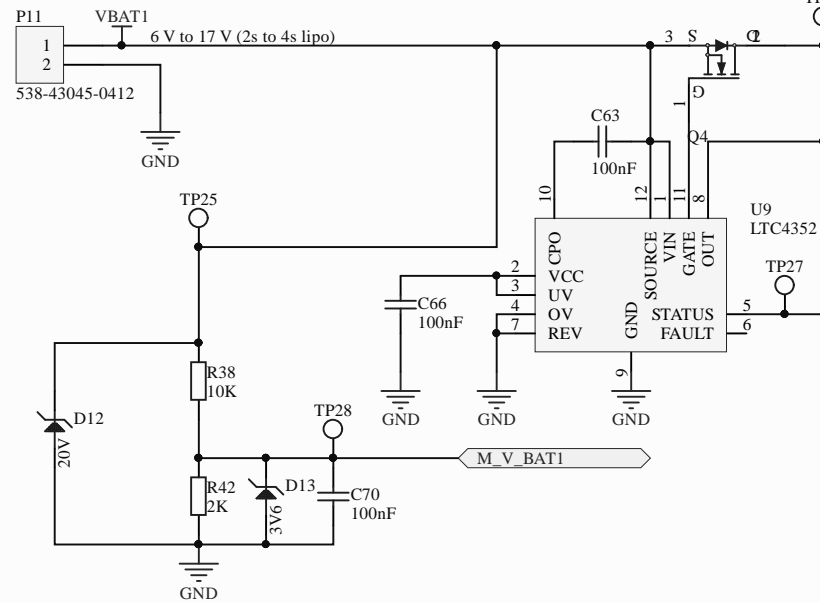
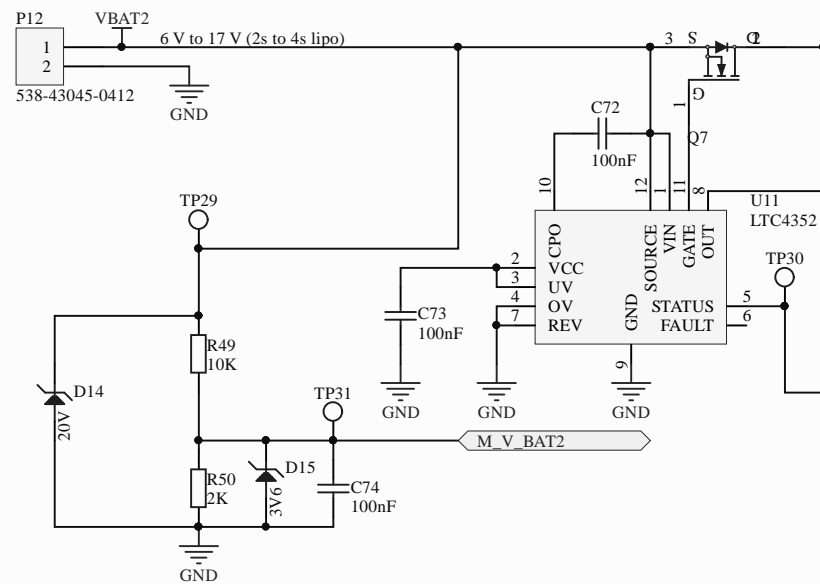


| | | |
|-----------------------------------|--------------------------------------|---------------|
| Title 1.3.0_Power_board.SchDoc | | |
| Size A4 | Number | Revision |
| Date: | 19.03.2017 | Sheet11 of 14 |
| File: | F:\EPFL\...\1.3.0_Power_board.SchDoc | Drawn By: |

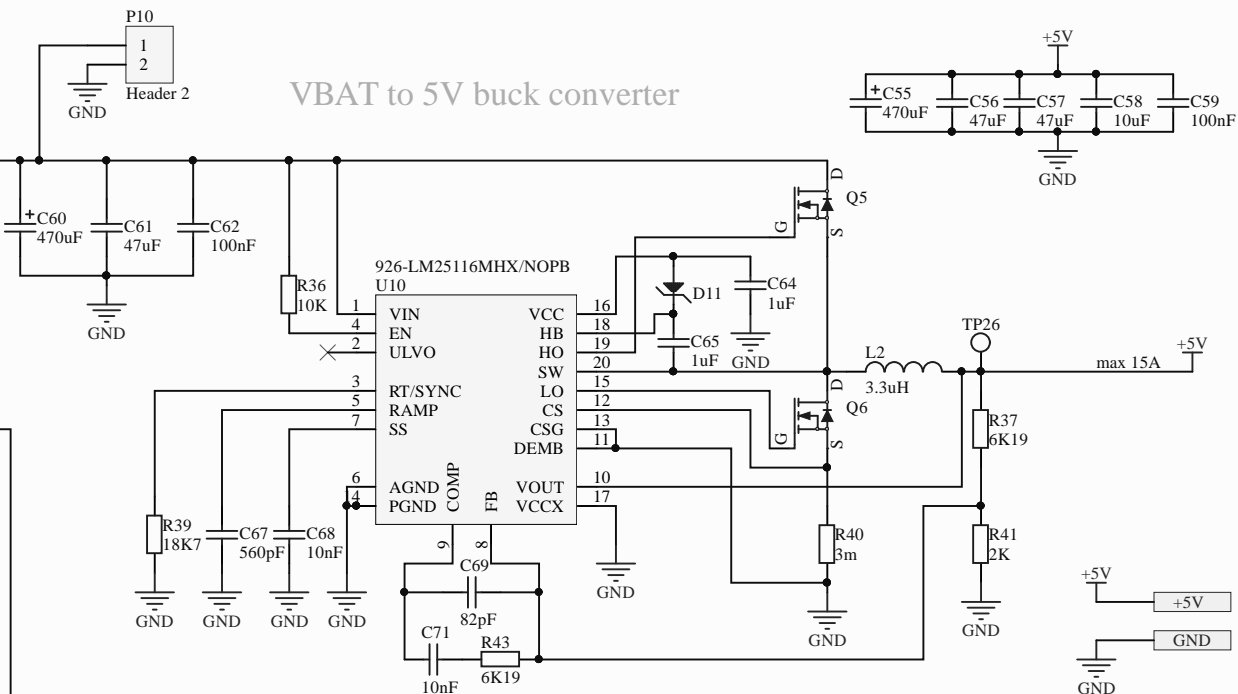
Ideal diode BAT1



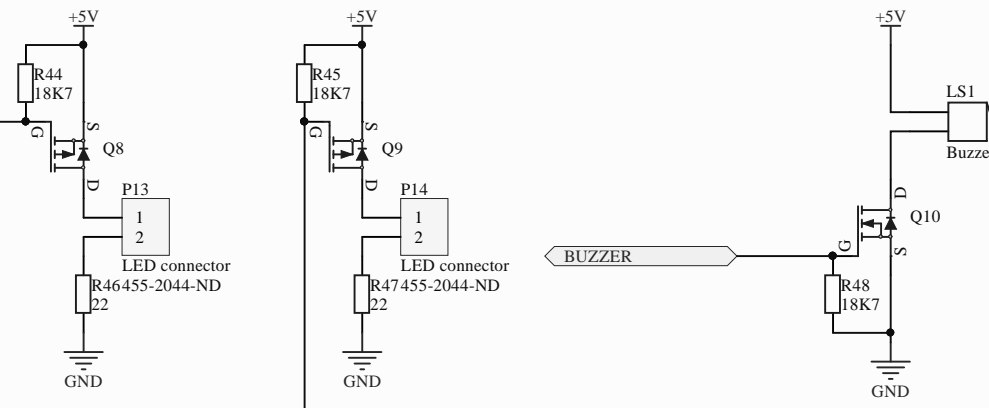
Ideal diode BAT2



VBAT to 5V buck converter



Status LEDs & buzzer



| | | |
|------------------------------------|--|---------------|
| Title | | |
| 1.3.1_Power_board_BAT1&BAT2.SchDoc | | |
| Size | Number | Revision |
| A4 | | |
| Date: | 19.03.2017 | Sheet12 of 14 |
| File: | F:\EPFL\1.3.1_Power_board_BAT1&BAT2.SchDoc | |

A

B

C

D

A

B

C

D

1

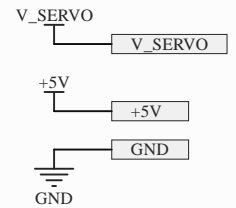
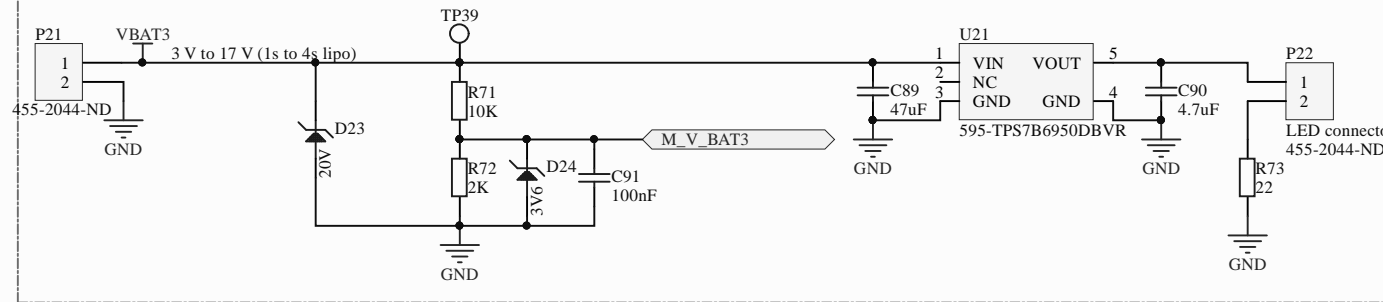
2

3

4

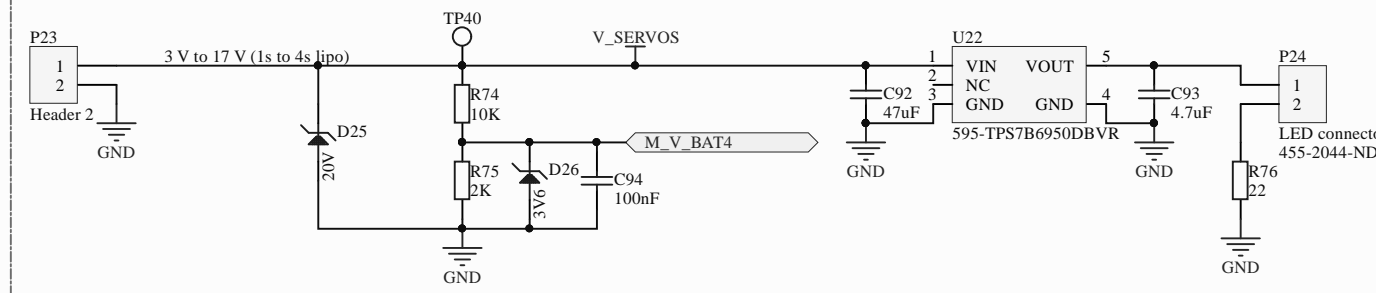
VBAT3 (for payload) (if needed...) voltage measurement and status LED

Not populated

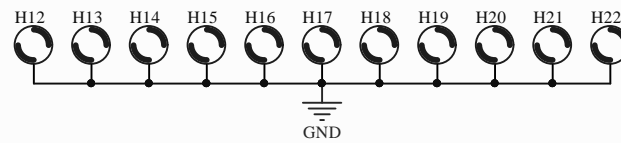


Aux. battery for servos (if needed...) voltage measurement and status LED

Not populated



Board fixture holes



| | | |
|---|---|----------|
| Title 1.3.2_Power_board_BAT3&BAT4.SchDoc | | |
| Size A4 | Number | Revision |
| Date: 19.03.2017 | Sheet13of 14 | |
| File: | F:\EPFL\...1.3.2_Power_board_BAT3&BAT4.SchDoc | |

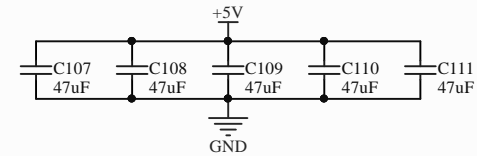
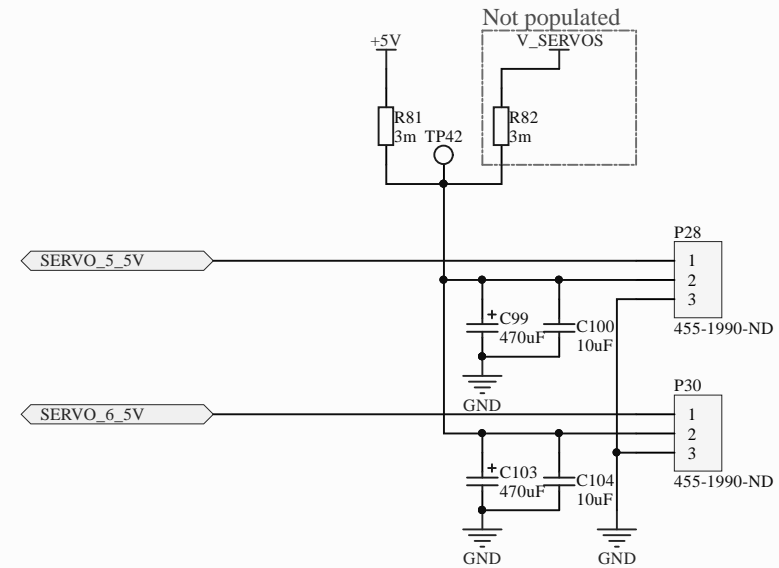
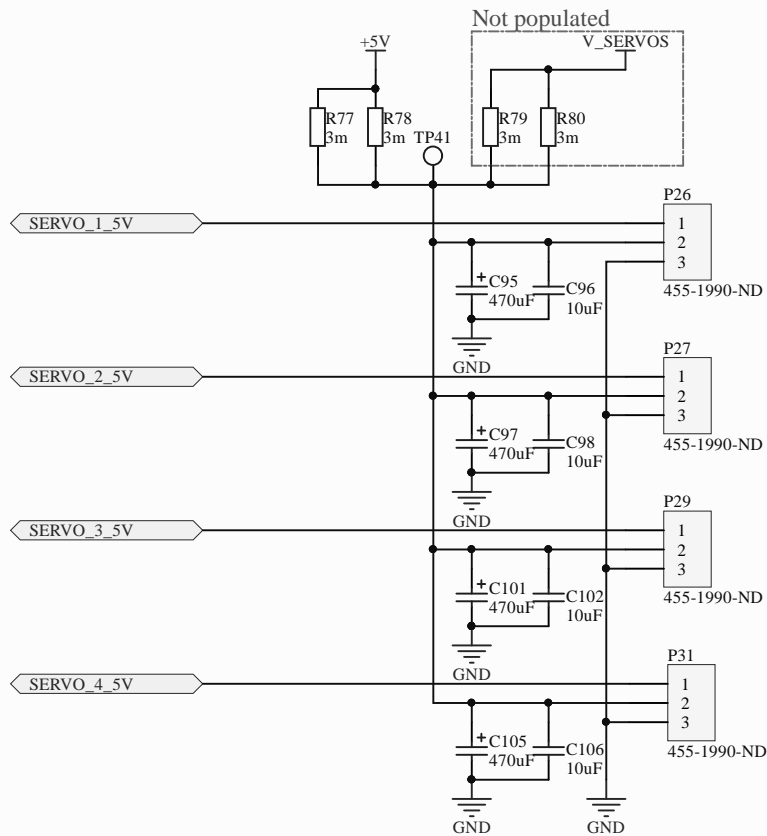
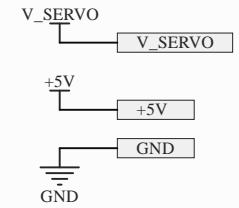
1

2

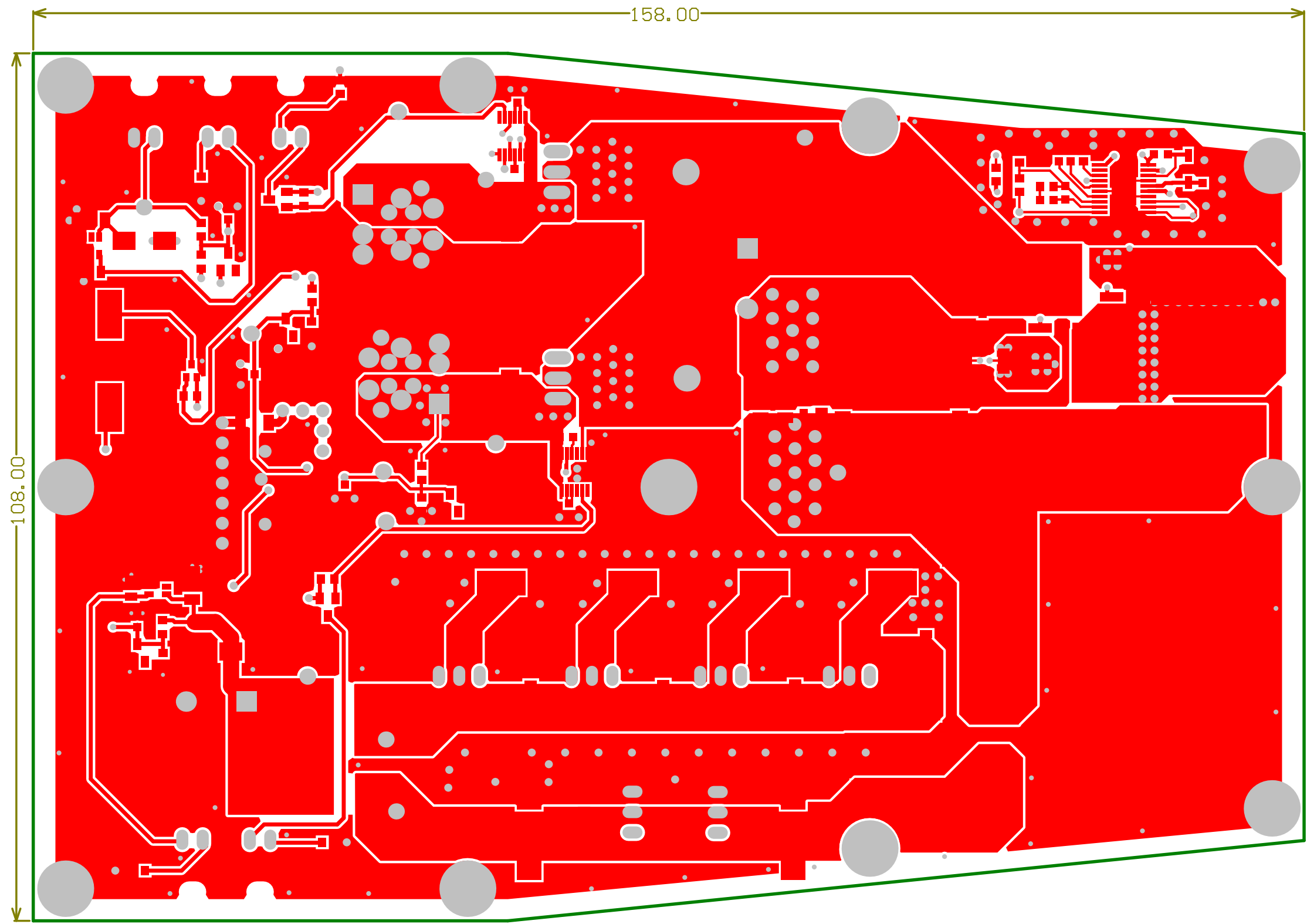
3

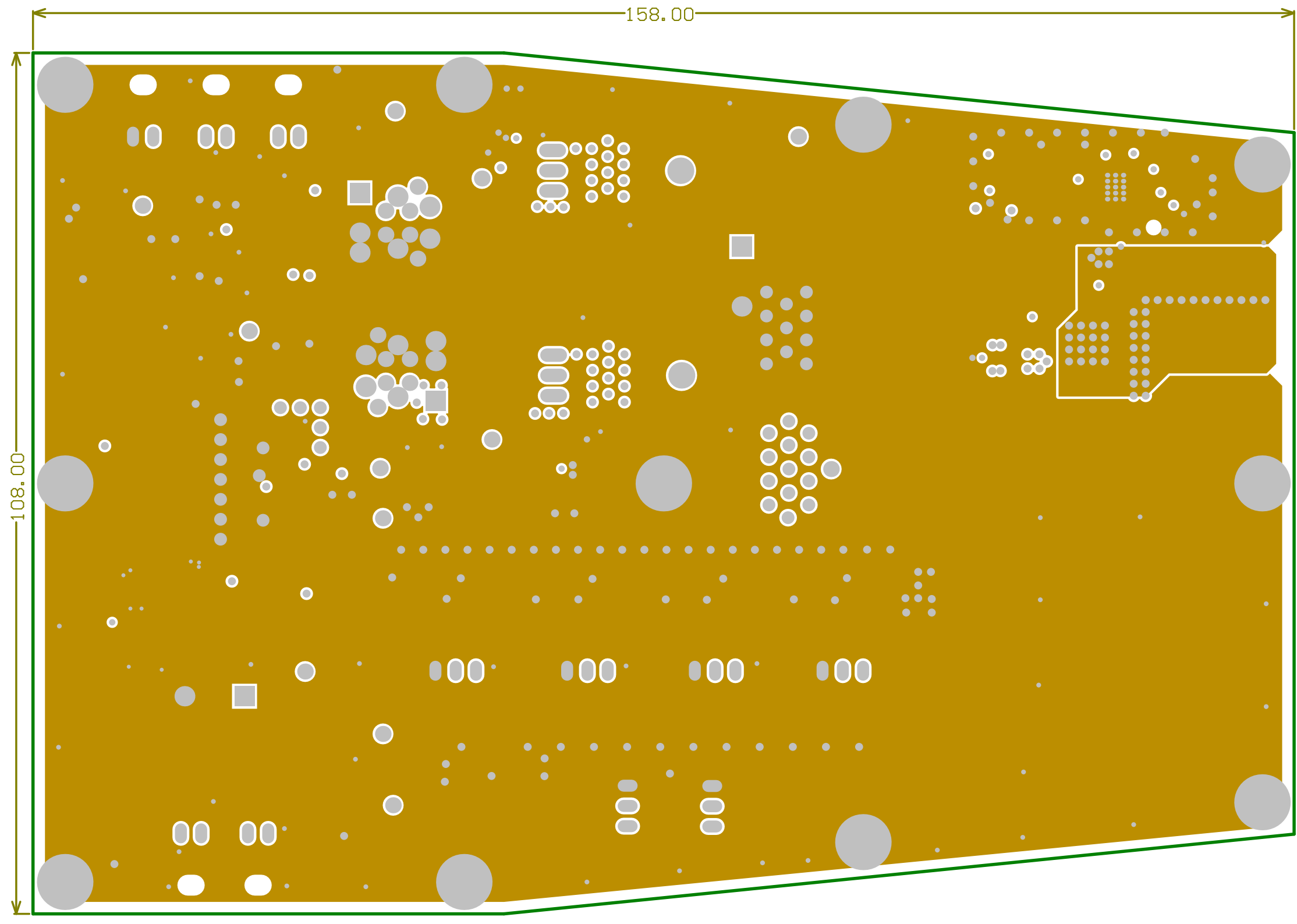
4

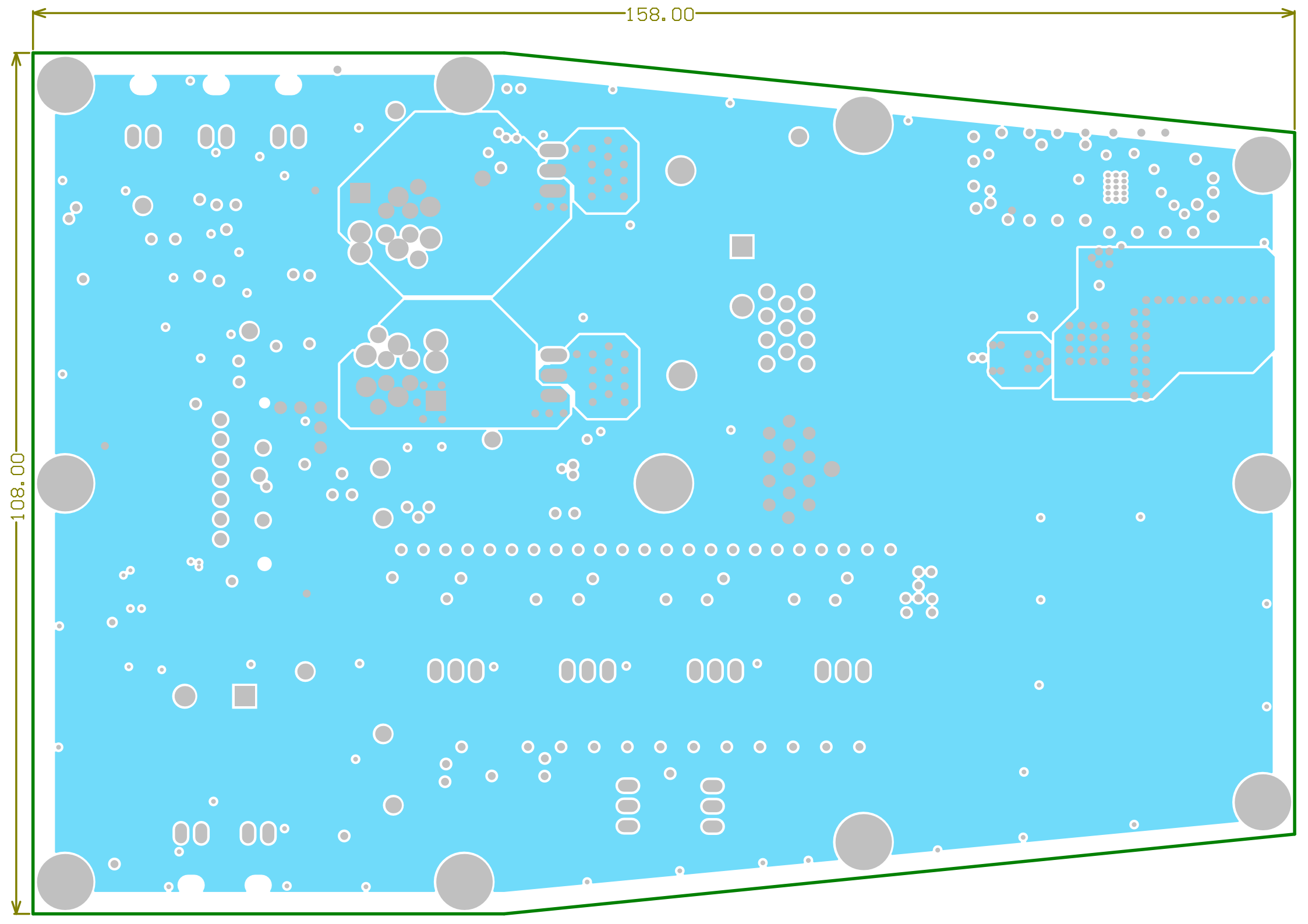
Servos output

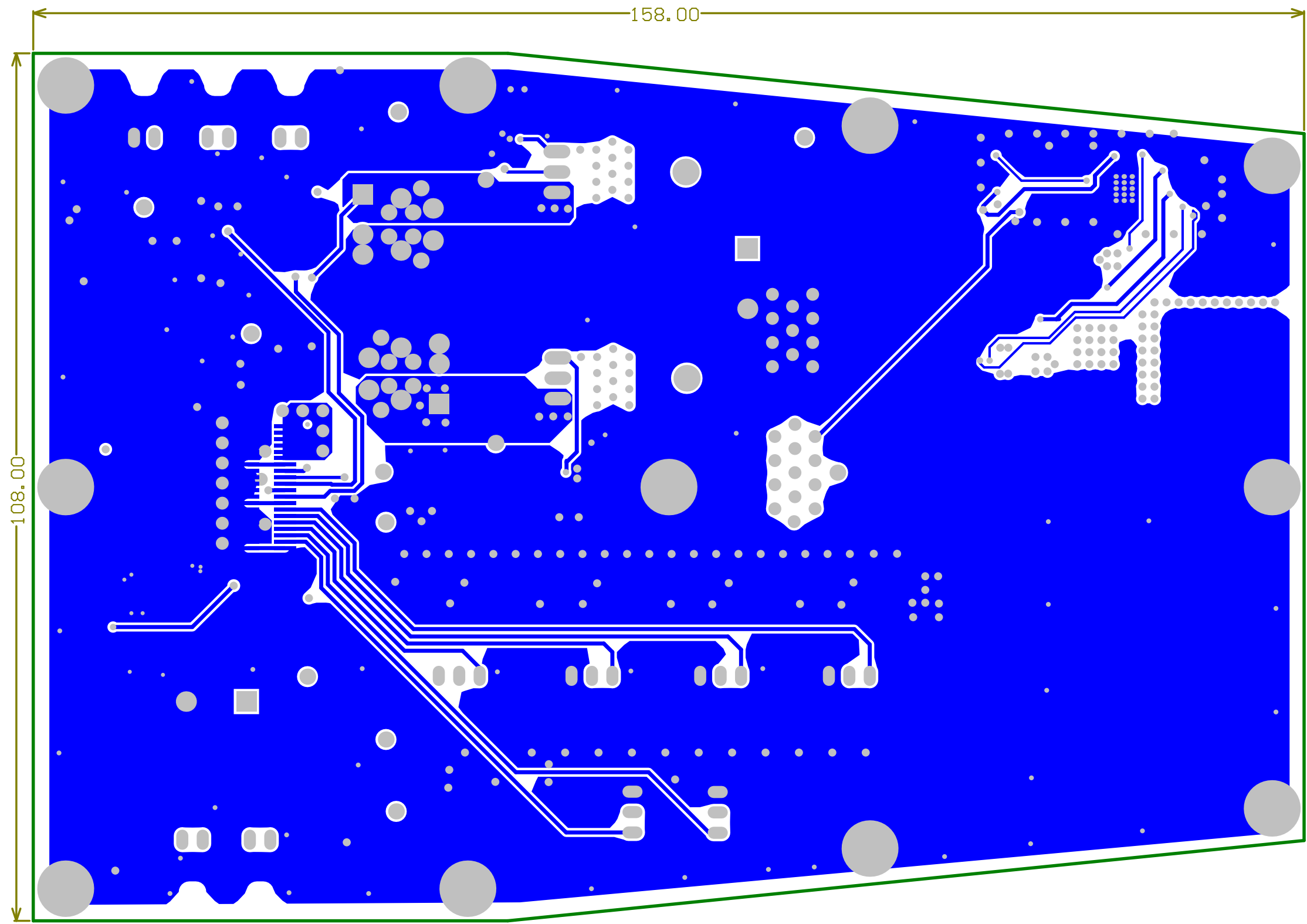


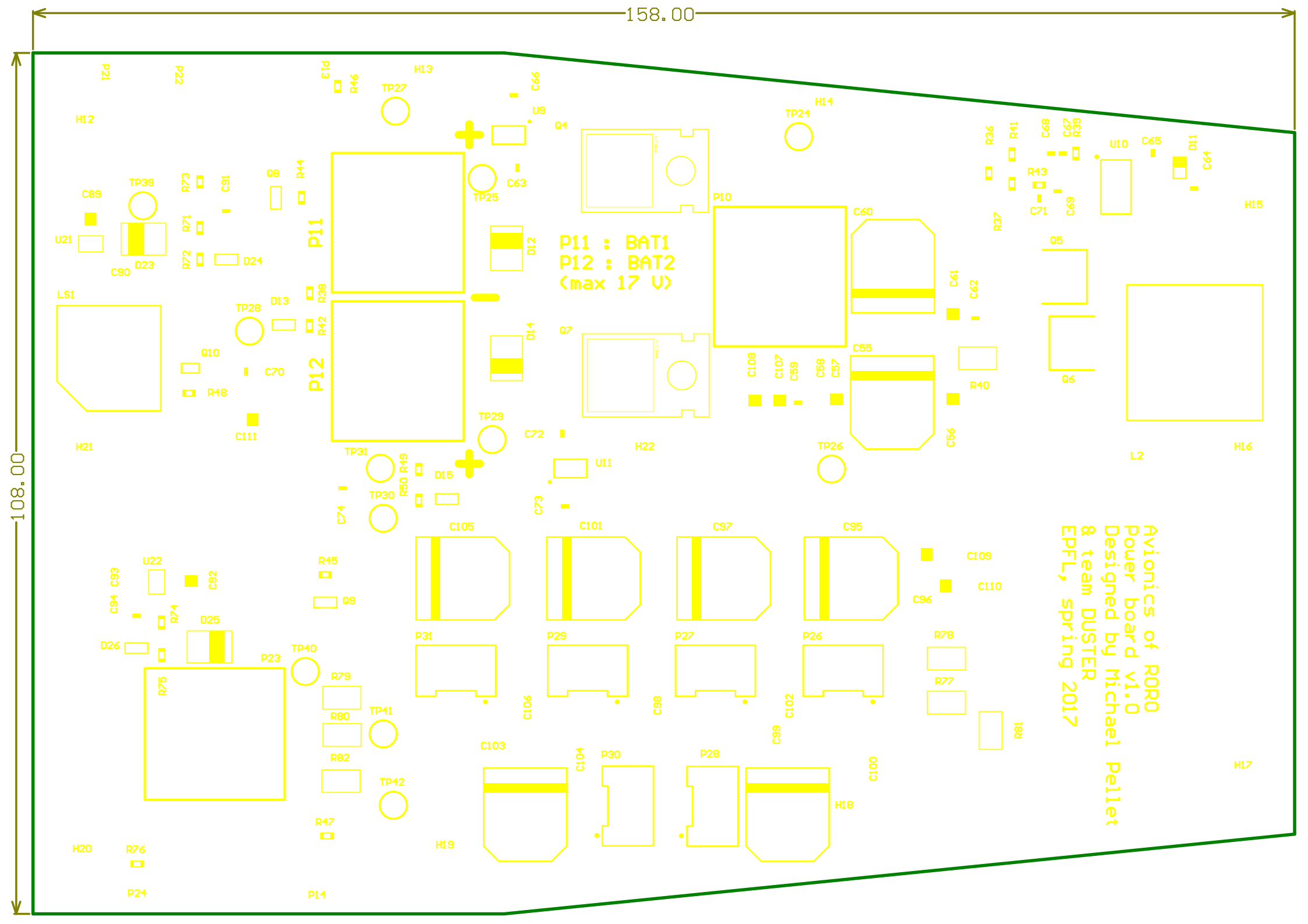
| | | |
|--|----------------|----------|
| Title 1.3.3_Power_board_Servos.SchDoc | | |
| Size A4 | Number | Revision |
| Date: 19.03.2017 | Sheet 14 of 14 | |
| File: F:\EPFL\1.3.3_Power_board_Servos.SchDoc | SchDrawn By: | |











Avionics of RORO
Power board v1.0
Designed by Michael Pellet
& team DUSTER
EPFL, spring 2017

P11 : BAT1
P12 : BAT2
(max 17 V)

