

Mechanics
Mechanics.SchDoc

Power VCC
Power_VCC.SchDoc

Power 3V3
Power_3V3.SchDoc

Battery & BMS
Battery_BMS.SchDoc

On Off Controller
On_Off.SchDoc

Converter
Converter.SchDoc

Output terminals
Output_Terminals.SchDoc

Measurement
Measurement.SchDoc

User Interface
User_Interface.SchDoc

Controller
Controller.SchDoc



M3
SERIAL 2D



M6
QR PROJ URL

PS1-1A
M1 PCB NAME
M4 LOGO WHE
M7 LOGO FSG

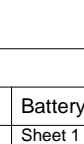
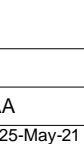
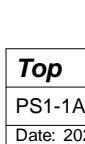
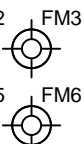
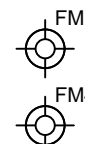
M1 PCB NAME
M4 LOGO WHE
M7 LOGO FSG



M2
Tooling JLC



M5
Tooling JLC



Top

PS1-1AA

Battery Source

Date: 2025-May-21

Sheet 1 of 11

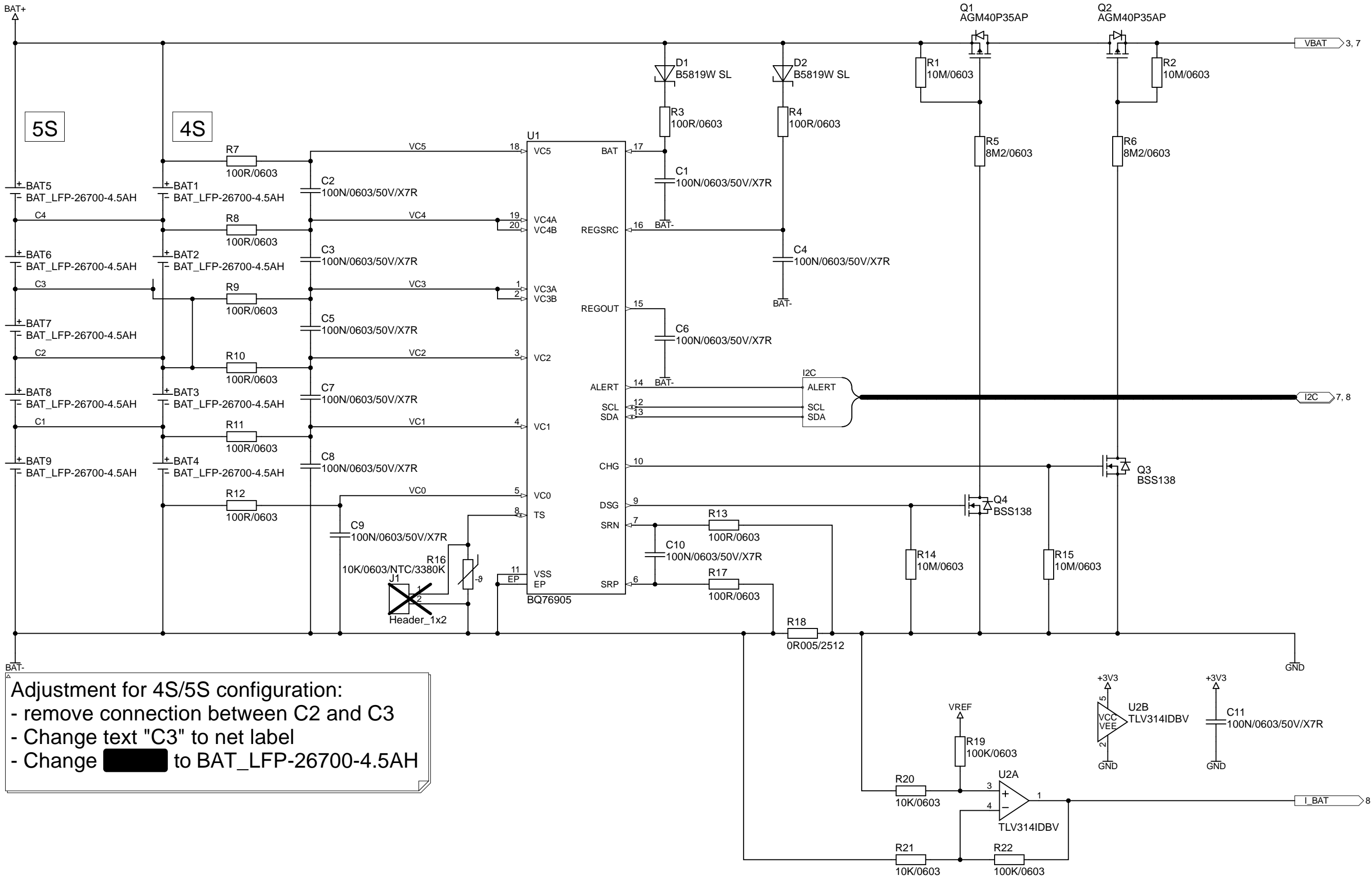
Size: A3

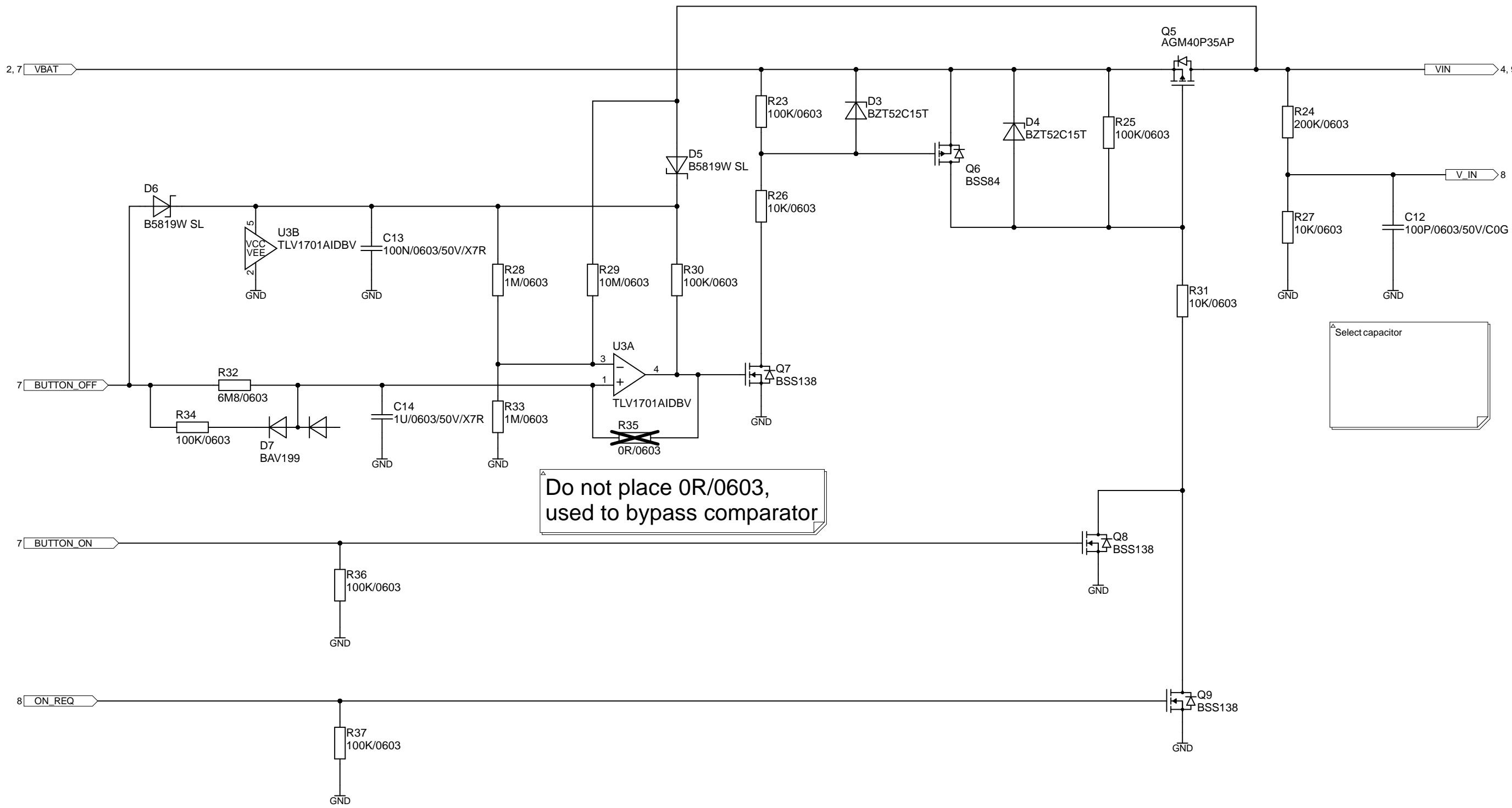
Schema: ahorat / danw

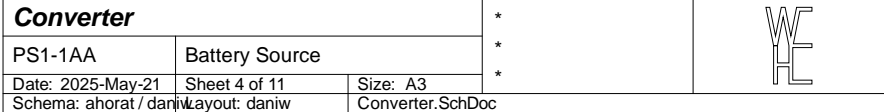
Layout: danw

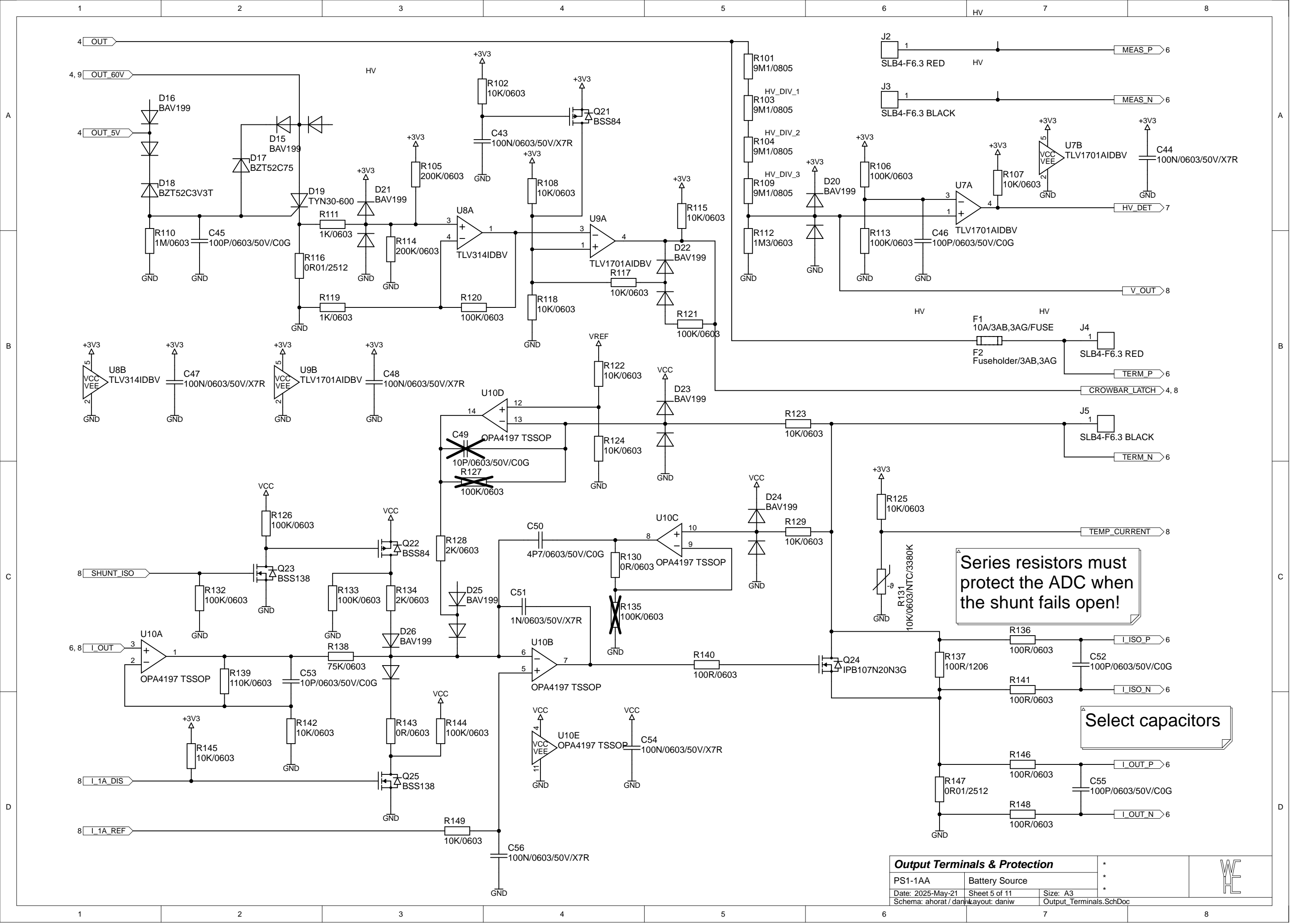
PS1-1-Top.SchDoc

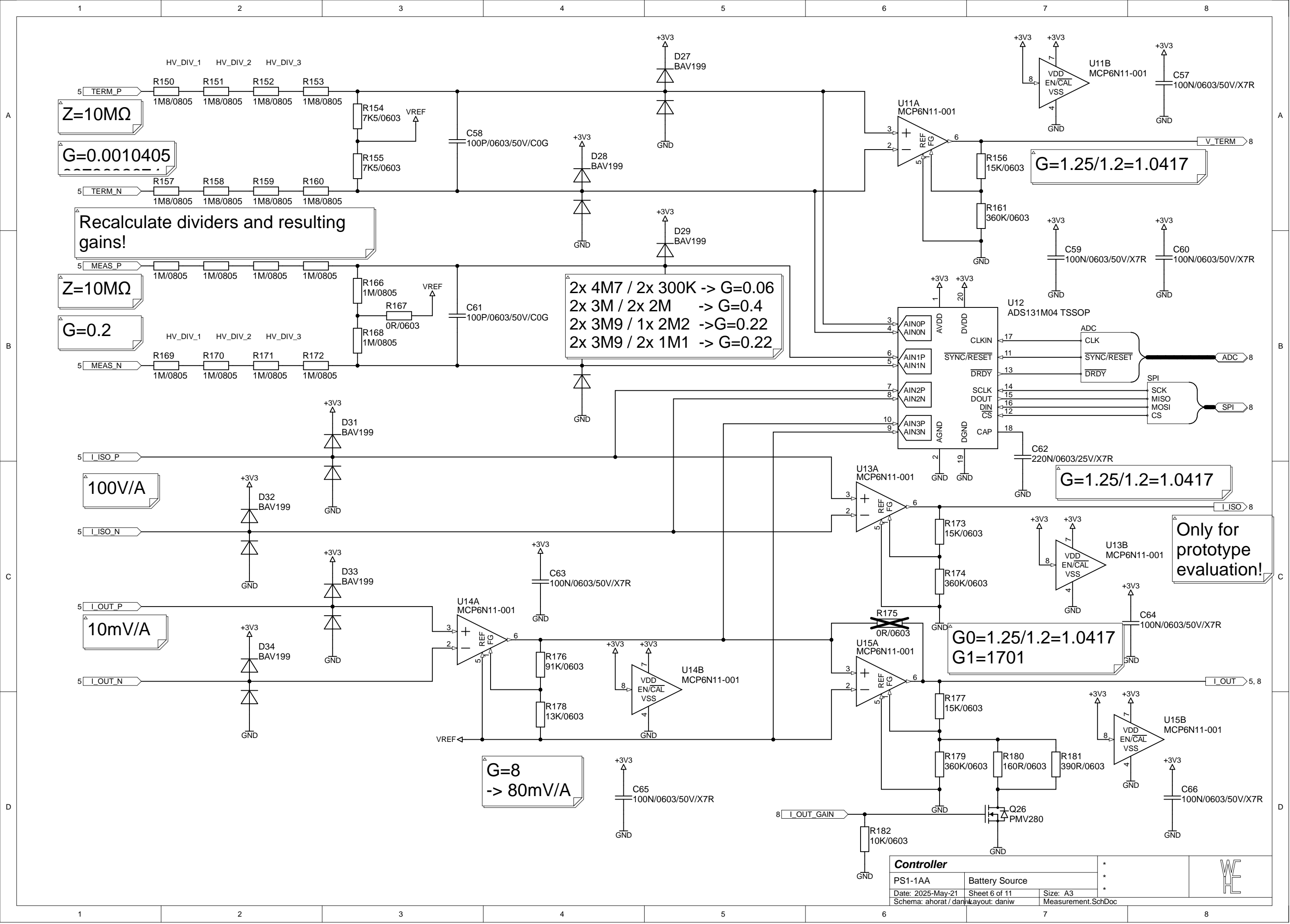












Z=10MΩ

G=0.0010405

Recalculate dividers and resulting gains!

Z=10MΩ

G=0.2

2x 4M7 / 2x 300K -> G=0.06
2x 3M / 2x 2M -> G=0.4
2x 3M9 / 1x 2M2 -> G=0.22
2x 3M9 / 2x 1M1 -> G=0.22

G=1.25/1.2=1.0417

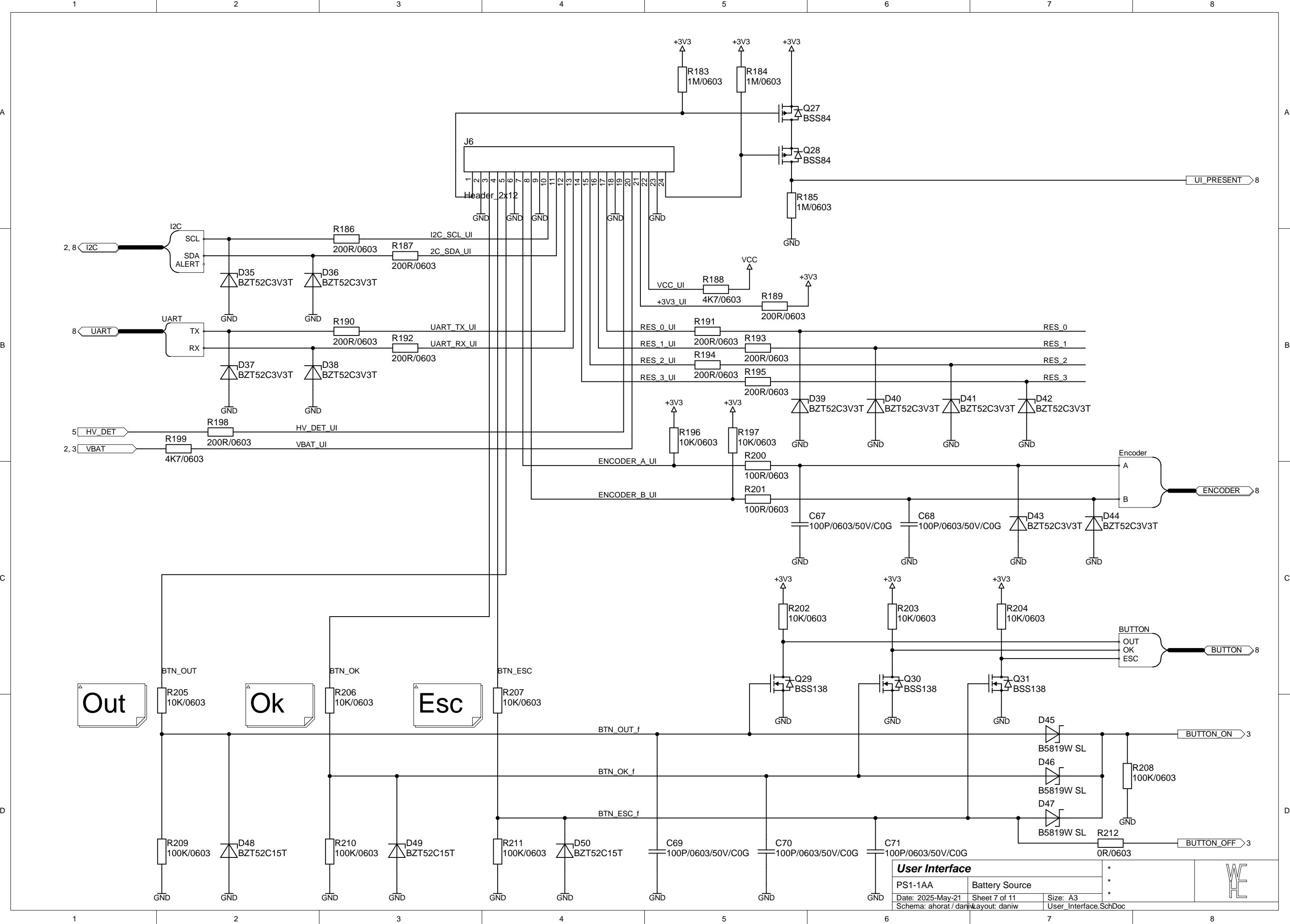
G=1.25/1.2=1.0417

G0=1.25/1.2=1.0417
G1=1701

G=8
-> 80mV/A

Only for prototype evaluation!

Controller			WE
PS1-1AA	Battery Source		
Date: 2025-May-21	Sheet 6 of 11	Size: A3	
Schema: ahorat / danil	Layout: danil	Measurement.SchDoc	



User Interface

PS1-1AA

Battery Source

Date: 2025-May-21

Sheet 7 of 11

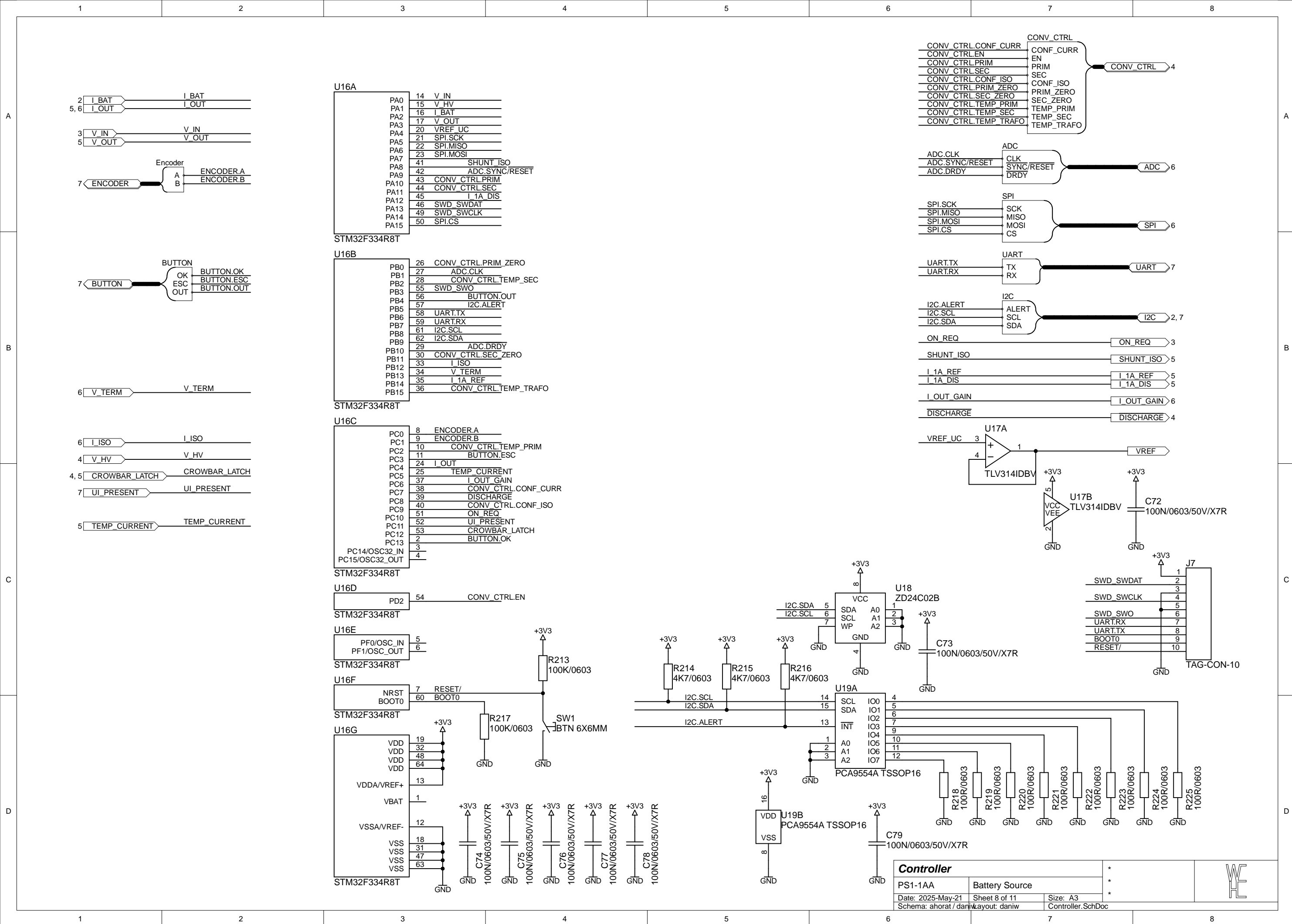
Size: A3

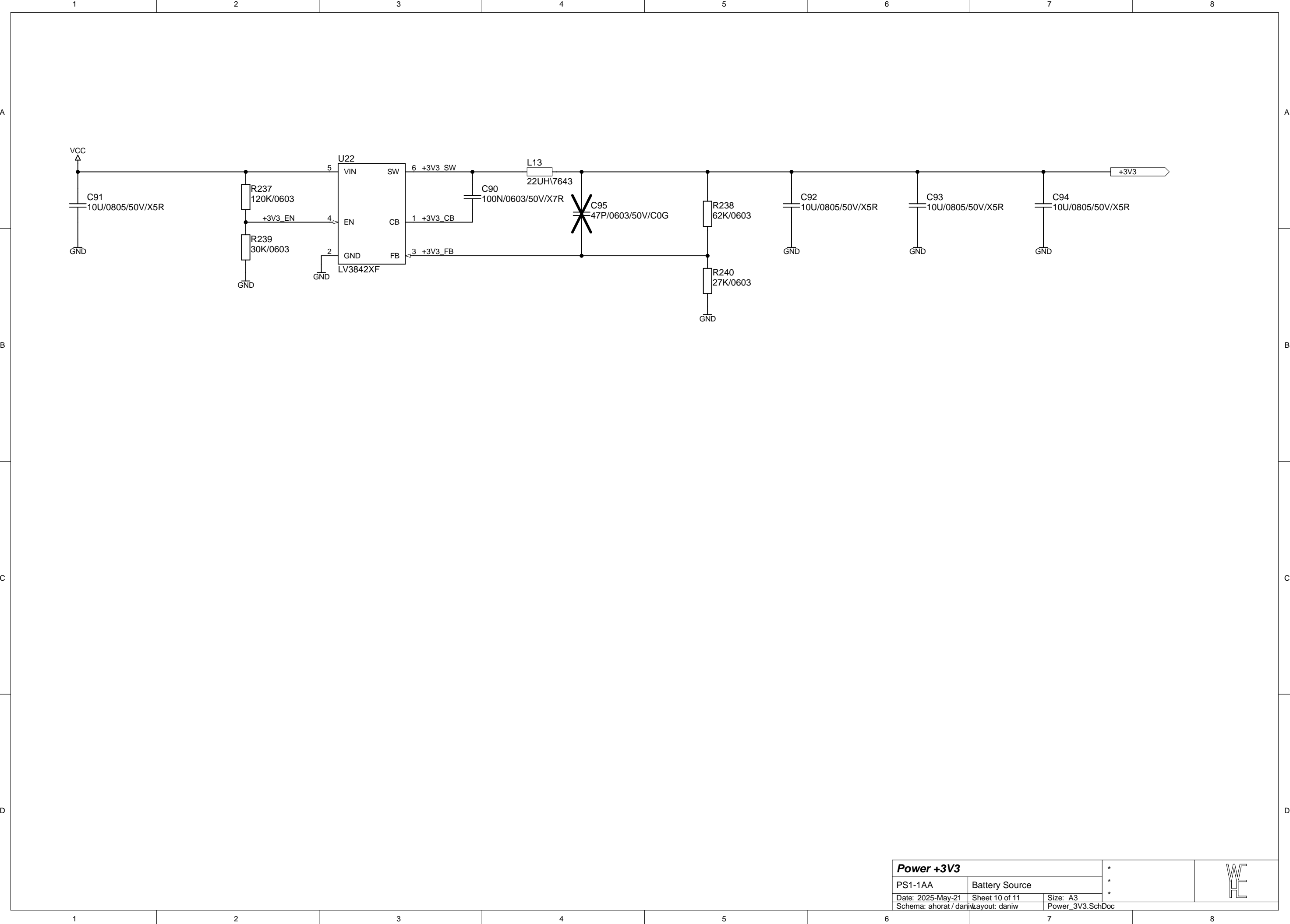
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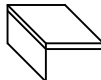

Layout: danil

User_Interface.SchDoc







1	2	3	4	5	6	7	8		
A	<div><div>M8</div><div></div><div>CSACTT004</div></div>							A	
B								B	
C								C	
D								D	
						<div><div><div>Mechanics</div><div>PS1-1AA</div><div>Date: 2025-May-21</div><div>Schema: ahorat / daniw</div></div><div><div>Battery Source</div><div>Sheet 11 of 11</div><div>Layout: daniw</div></div><div><div>Size: A3</div><div>Mechanics.SchDoc</div></div></div>		<div><div>*</div><div>*</div><div>*</div></div>	<div></div>
1	2	3	4	5	6	7	8		