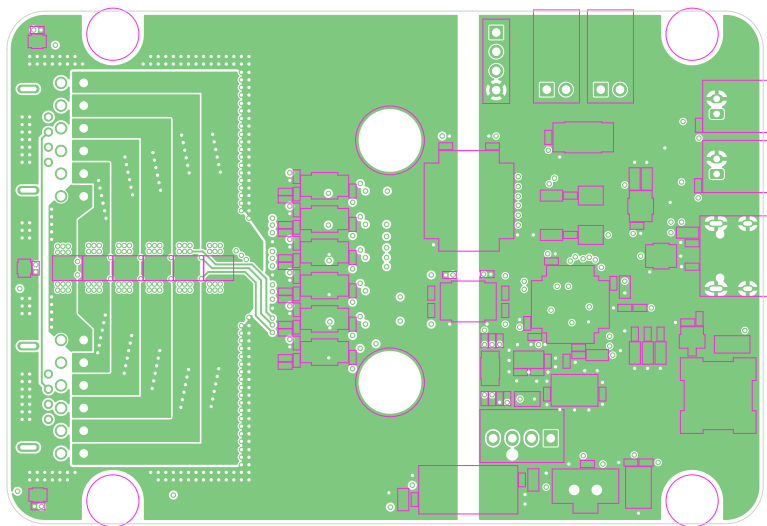
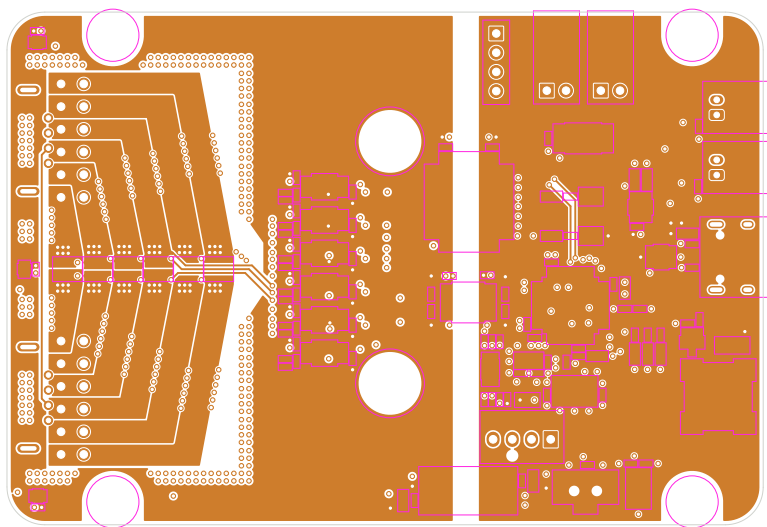


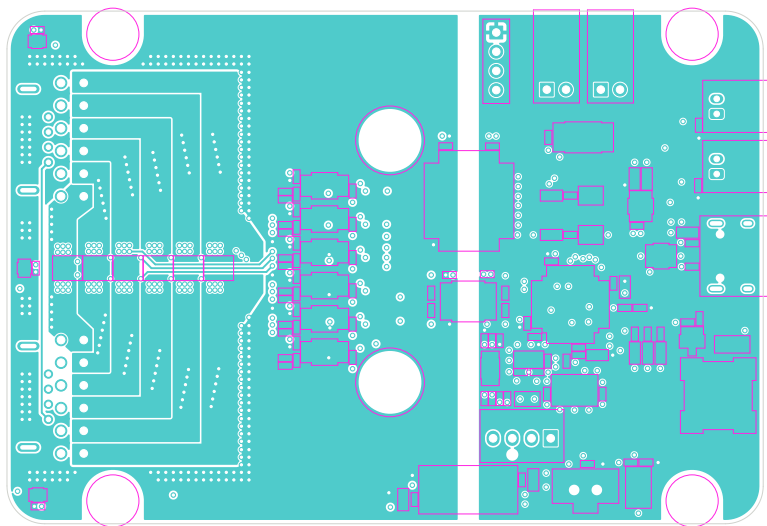
<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: F.Cu	Date: 2025-09-21	Page: 1/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



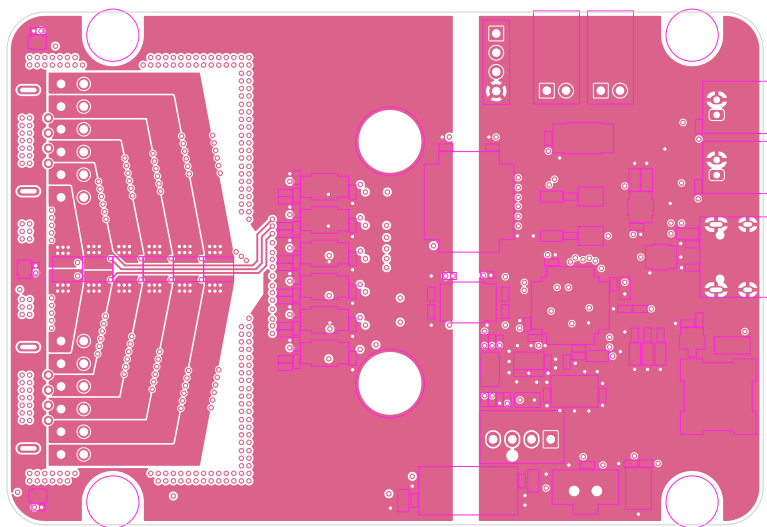
<b>Title: 12V-2x6 Current Monitor</b>		github.com/eggsampler	Rev: 1
Sheet: In1.Cu		Date: 2025-09-21	Page: 2/22
KiCad E.D.A. 9.0.5		File: 12v-2x6.kicad_pcb	



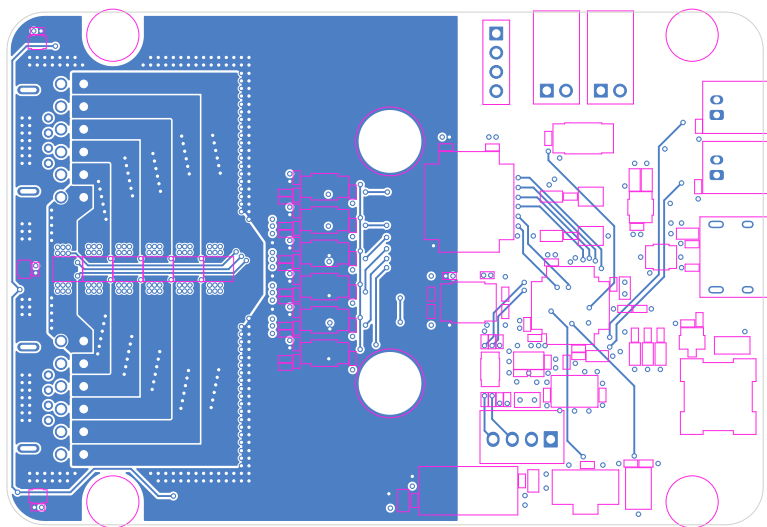
<b>Title: 12V-2x6 Current Monitor</b>		github.com/eggssampler	Rev: 1
Sheet: In2.Cu		Date: 2025-09-21	Page: 3/22
KiCad E.D.A. 9.0.5		File: 12v-2x6.kicad_pcb	



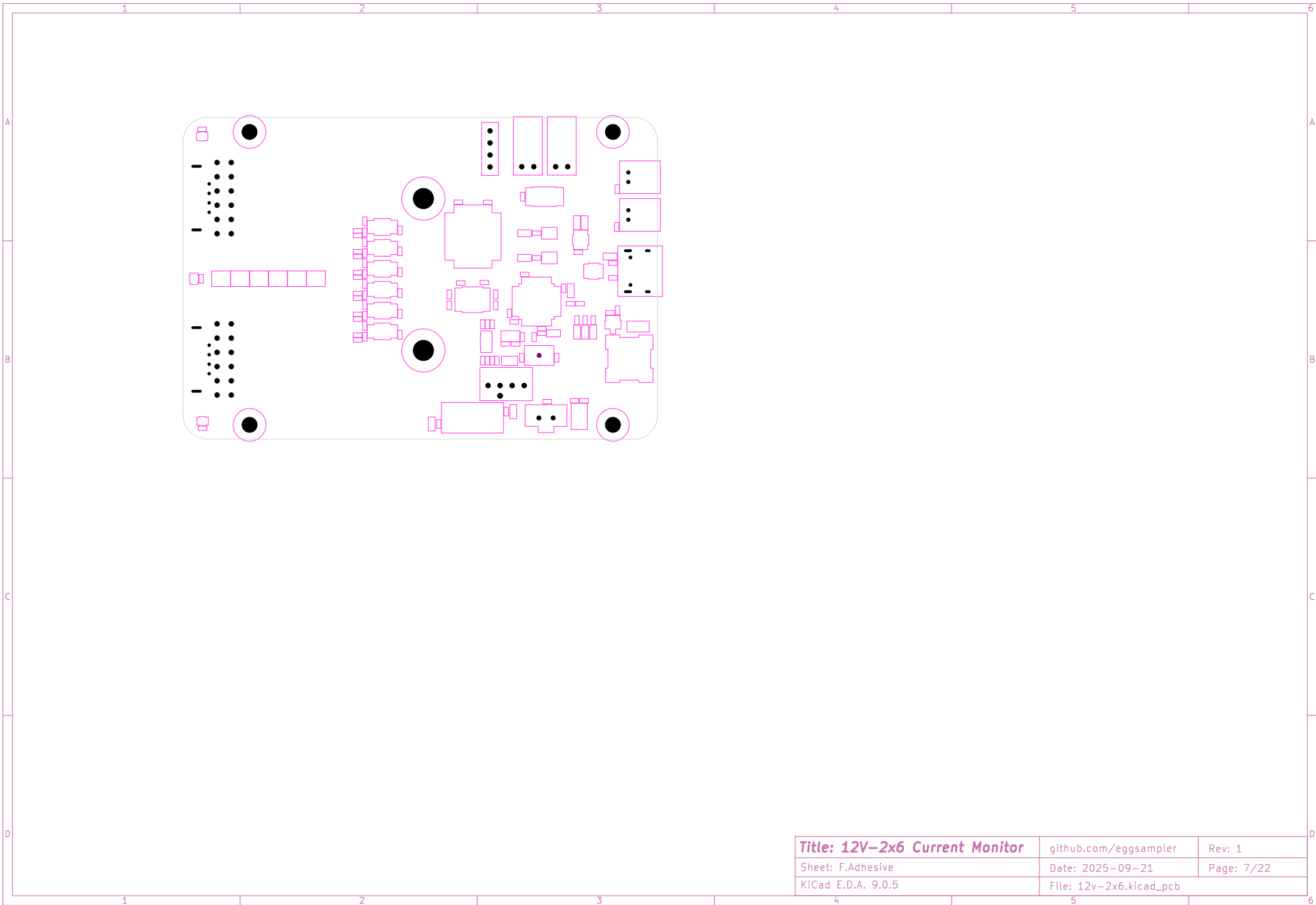
<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: In3.Cu	Date: 2025-09-21	Page: 4/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



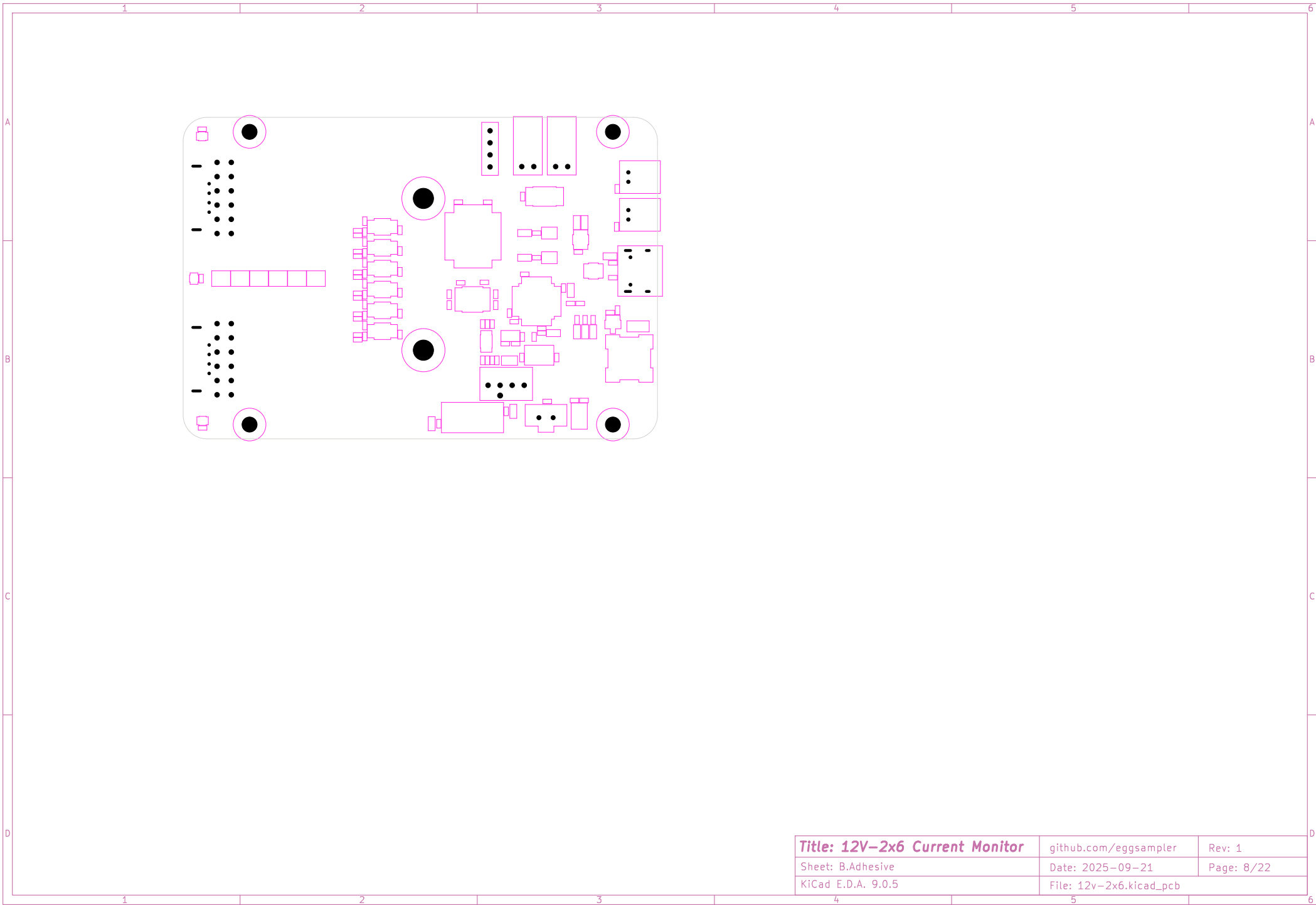
<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: In4.Cu	Date: 2025-09-21	Page: 5/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggssampler	Rev: 1
Sheet: B.Cu	Date: 2025-09-21	Page: 6/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	

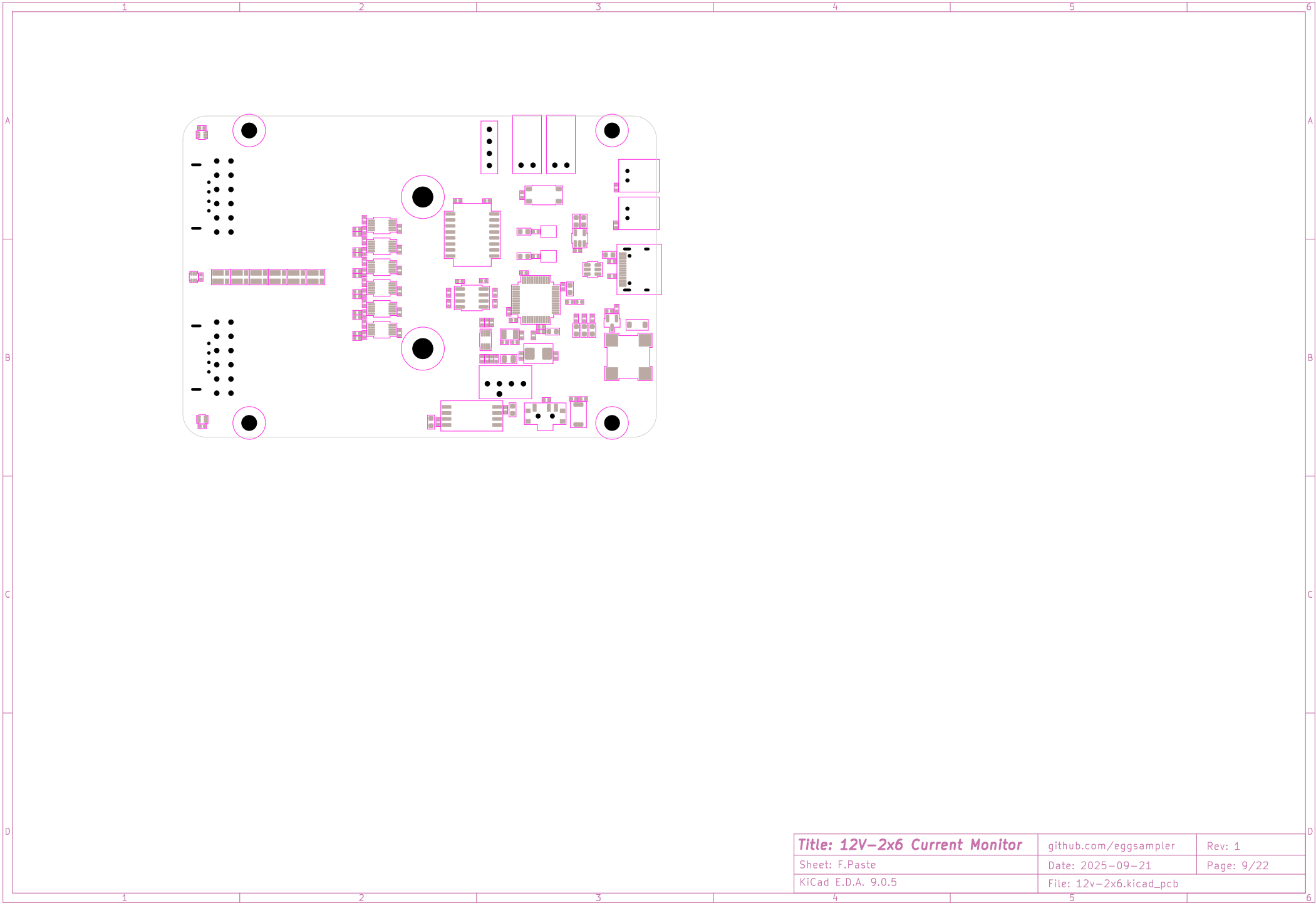


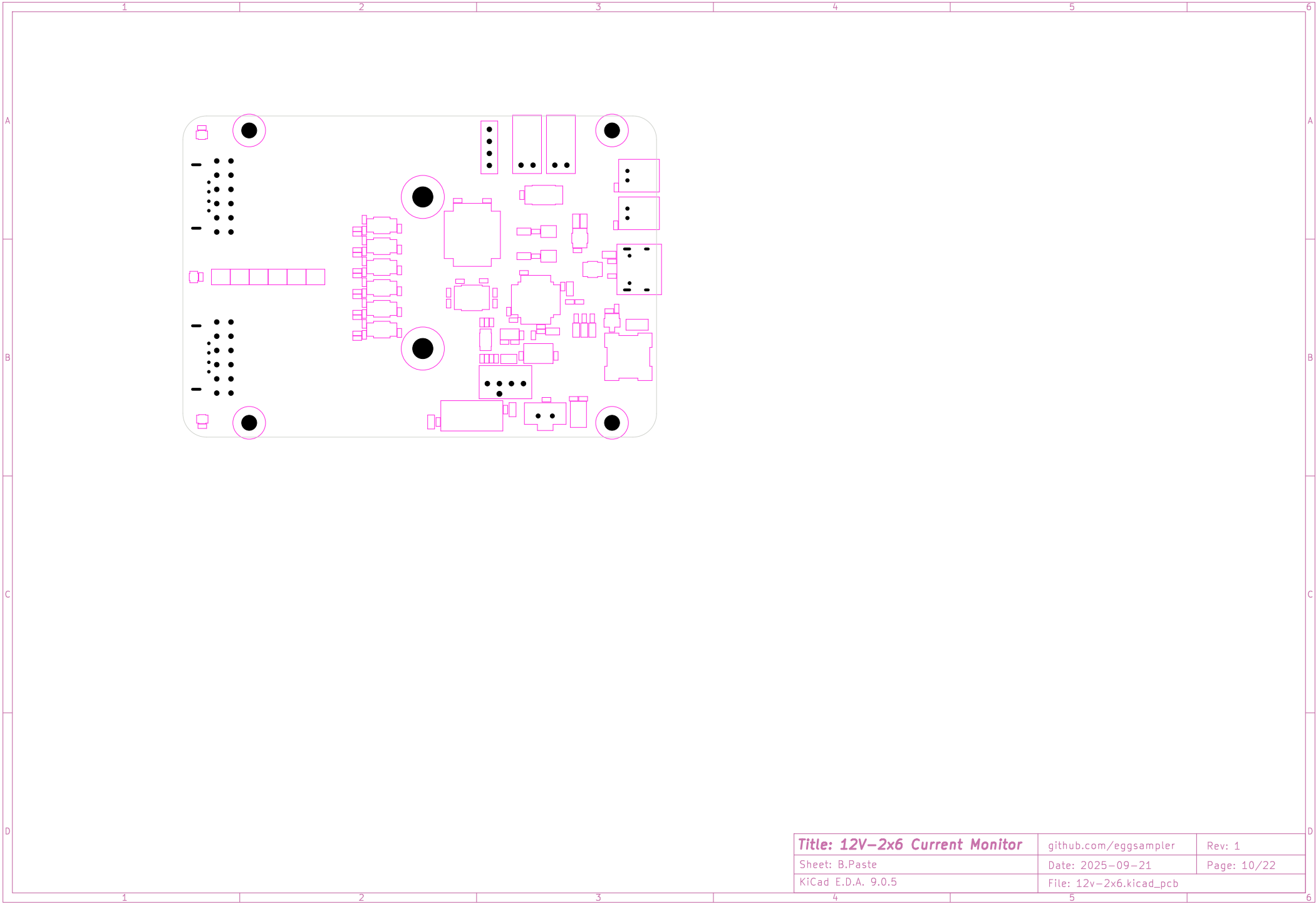
<b>Title: 12V-2x6 Current Monitor</b>	<a href="https://github.com/eggsampler">github.com/eggsampler</a>	Rev: 1
Sheet: F.Adhesive	Date: 2025-09-21	Page: 7/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	

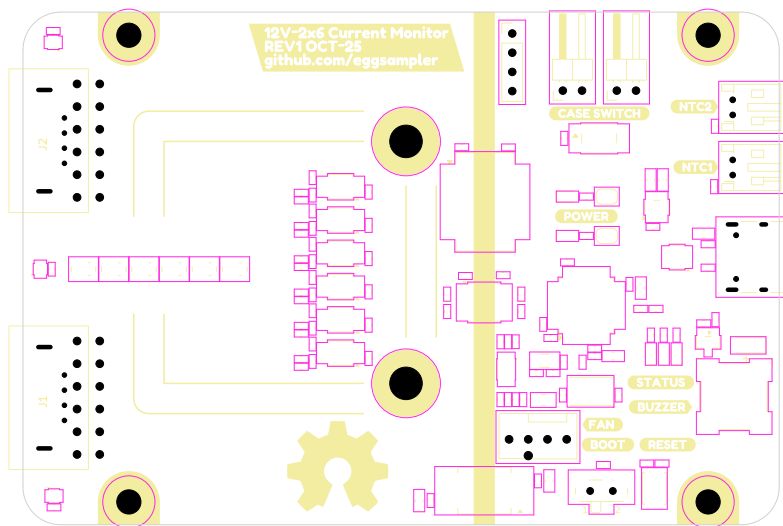


<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: B.Adhesive	Date: 2025-09-21	Page: 8/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	

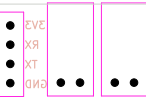




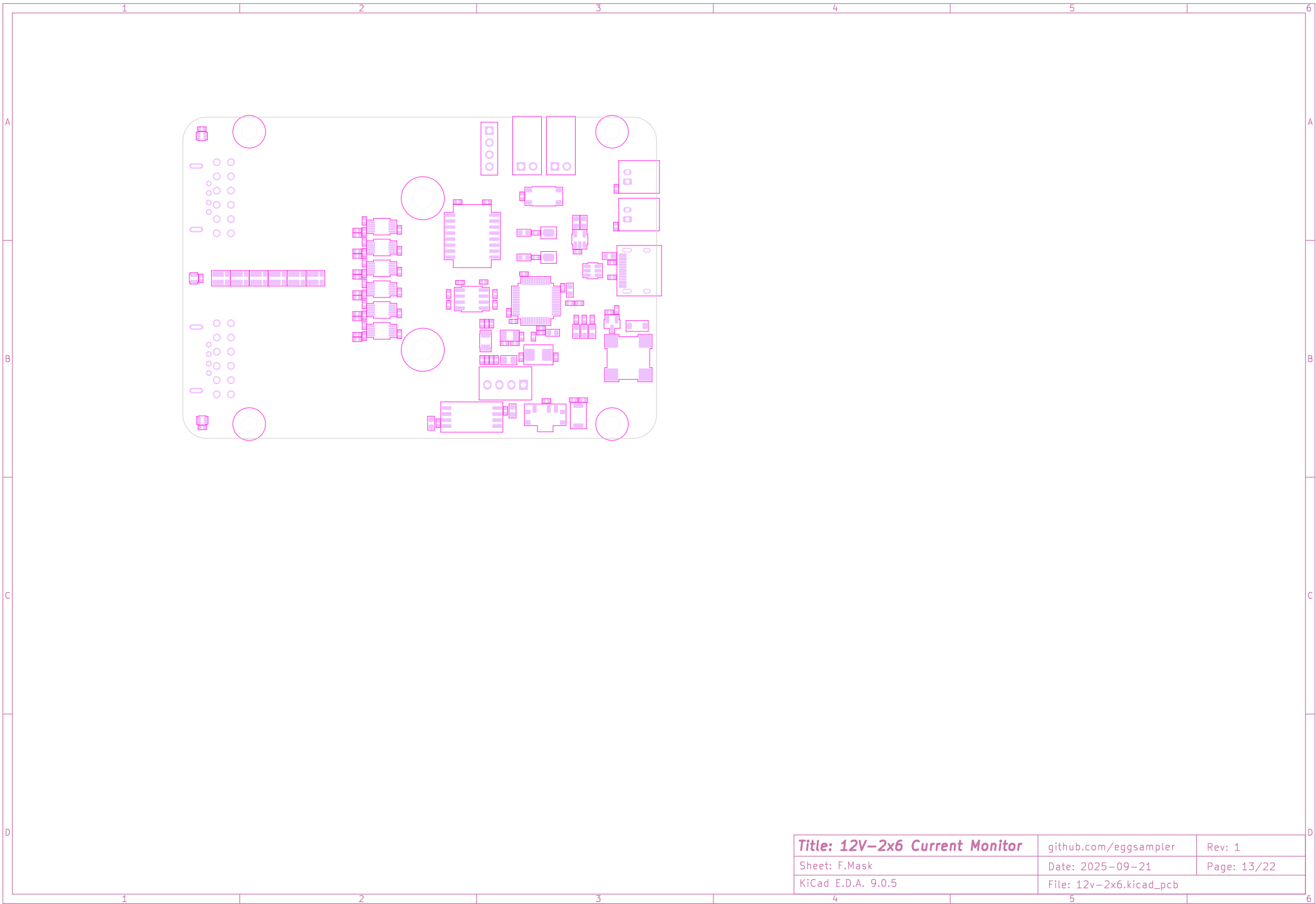




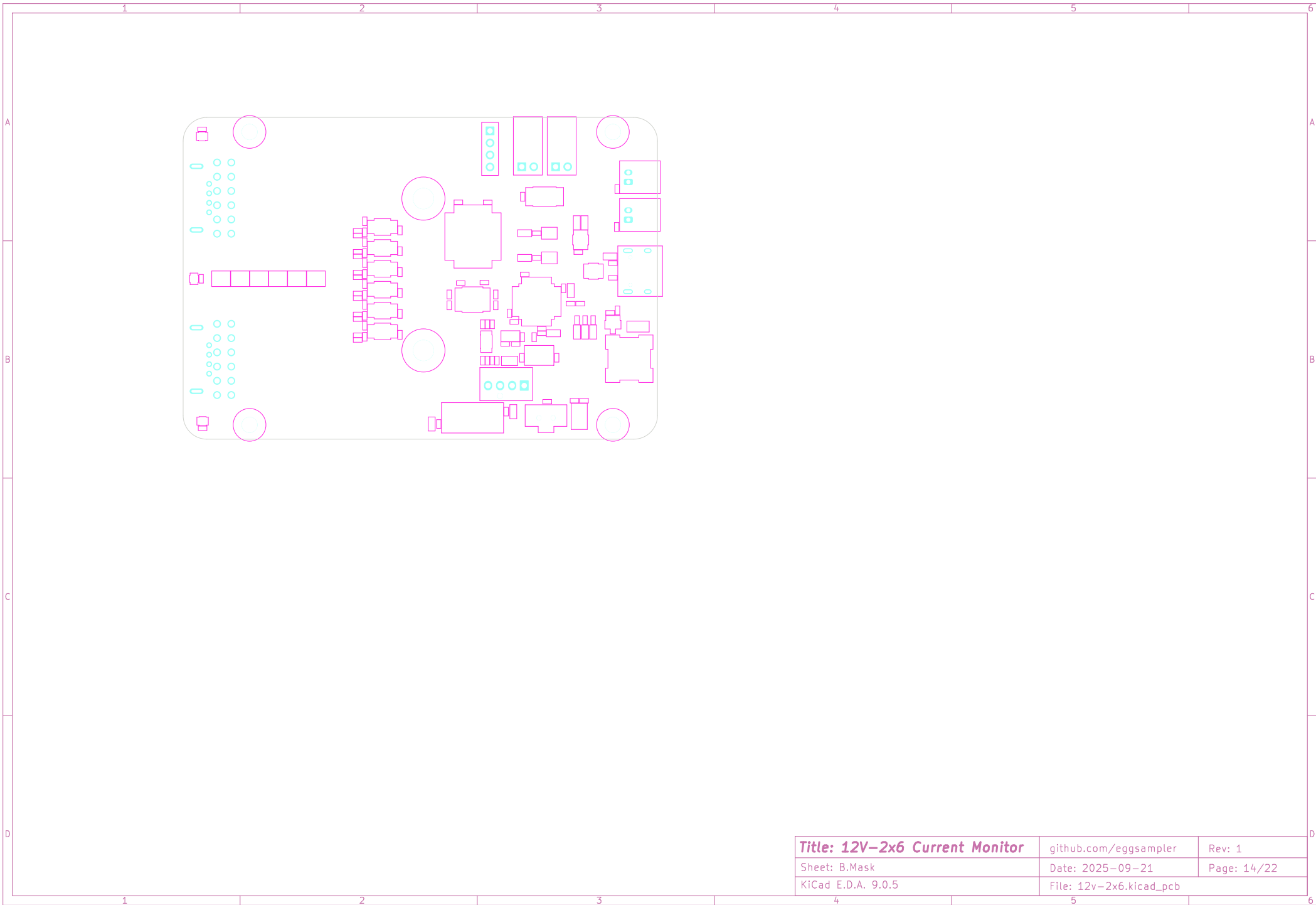
<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: F.Silkscreen	Date: 2025-09-21	Page: 11/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



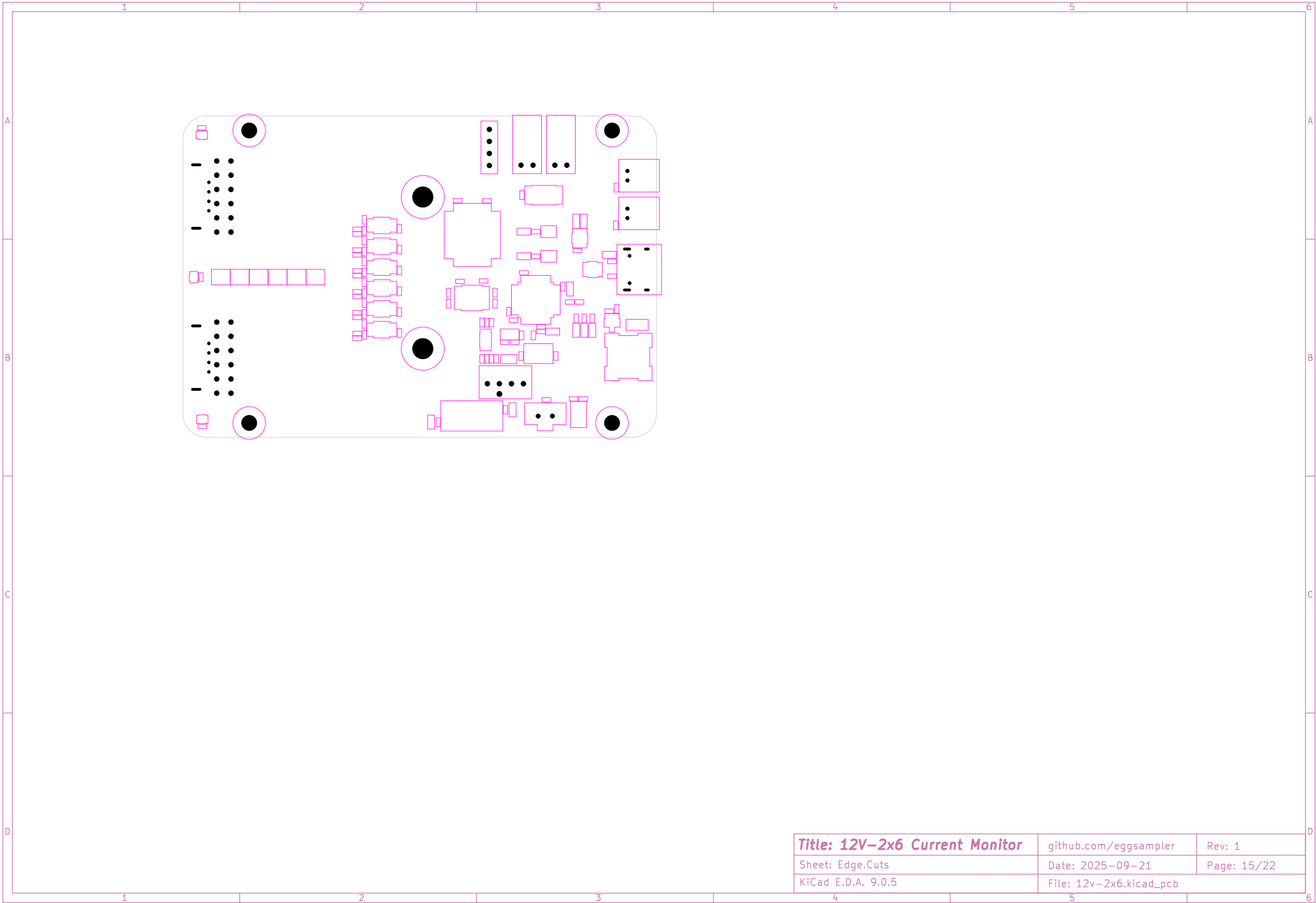
<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggssampler	Rev: 1
Sheet: B.Silkscreen	Date: 2025-09-21	Page: 12/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



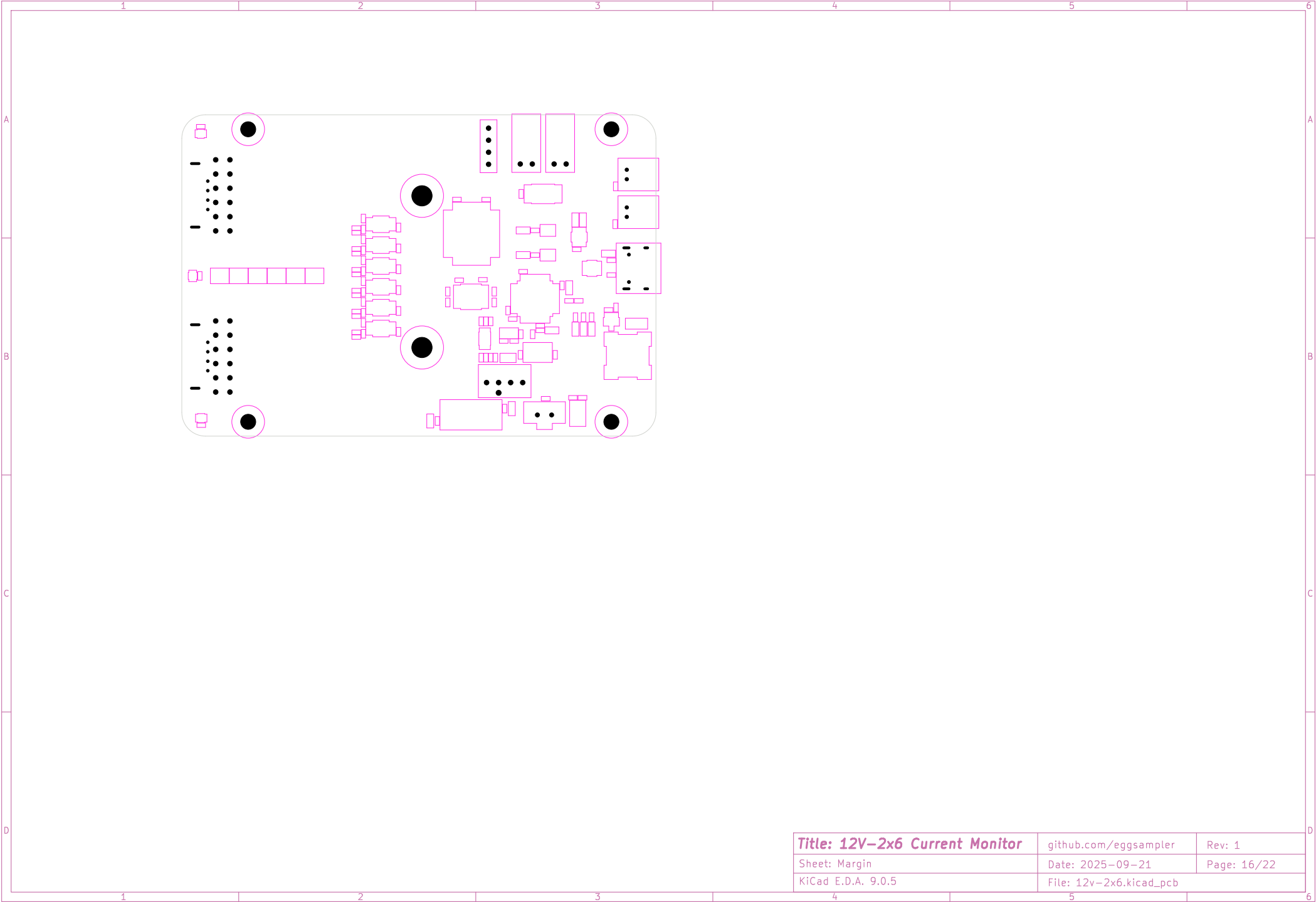
<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: F.Mask	Date: 2025-09-21	Page: 13/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: B.Mask	Date: 2025-09-21	Page: 14/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	

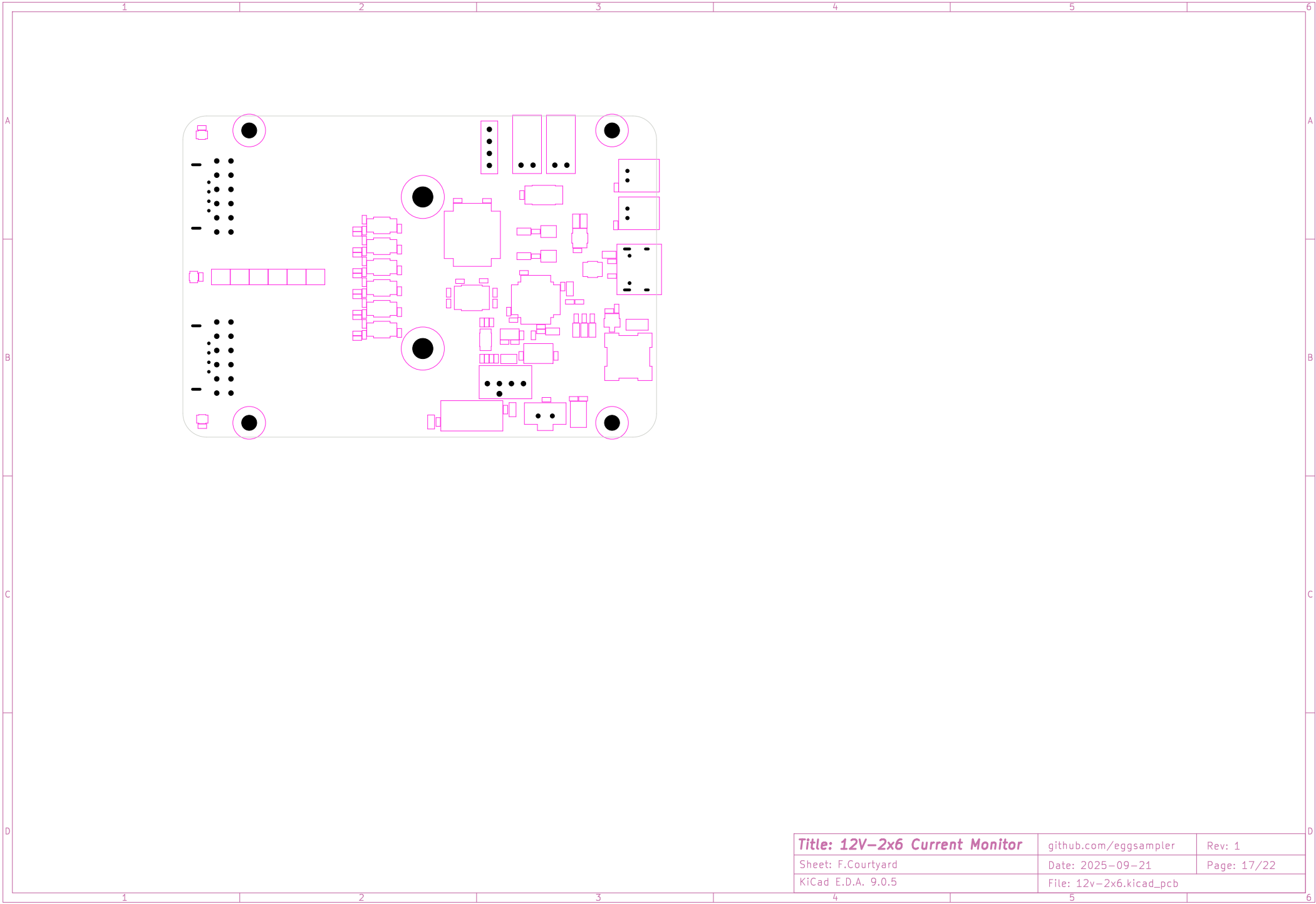


<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggssampler	Rev: 1
Sheet: Edge.Cuts	Date: 2025-09-21	Page: 15/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	

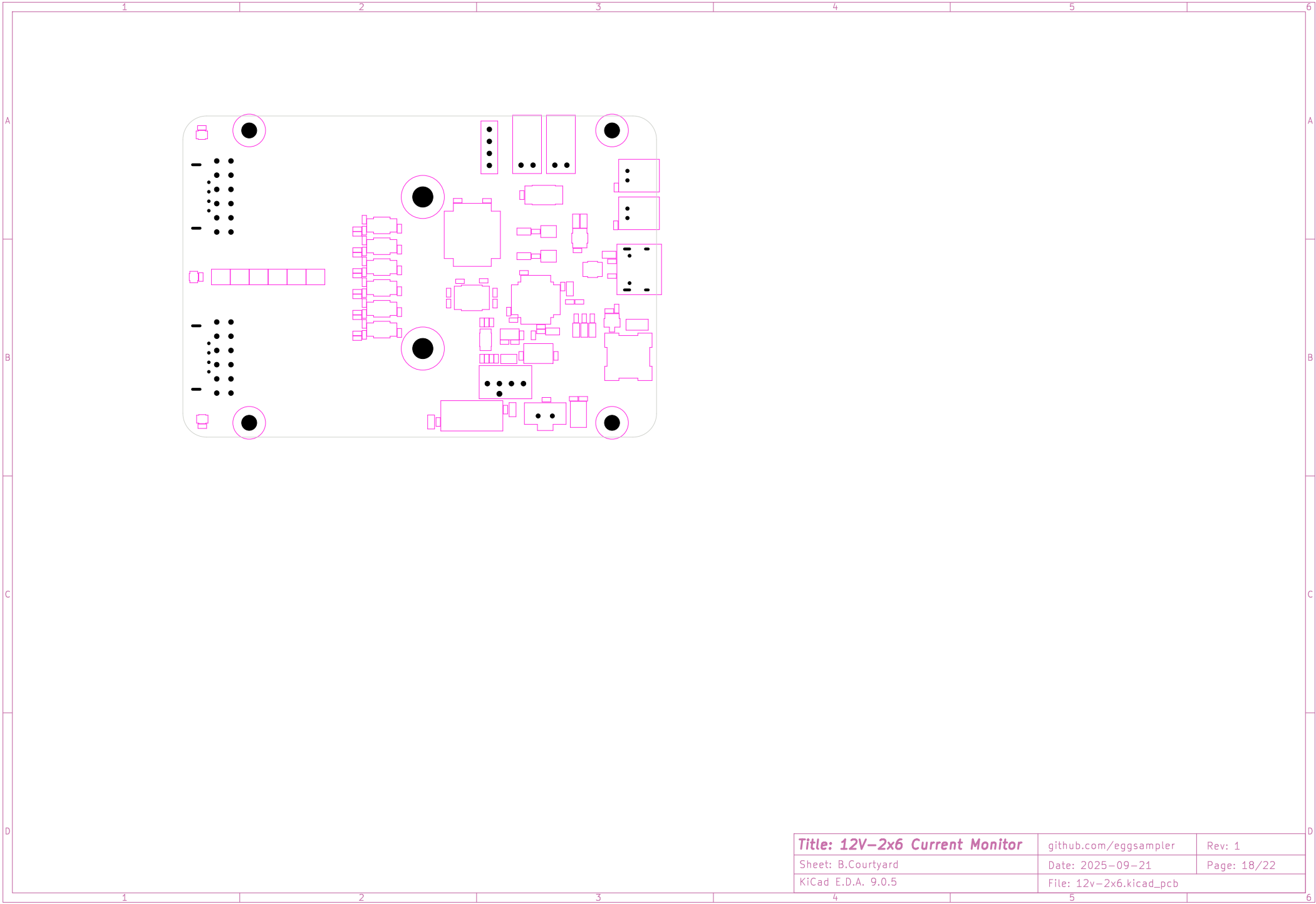


<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: Margin	Date: 2025-09-21	Page: 16/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



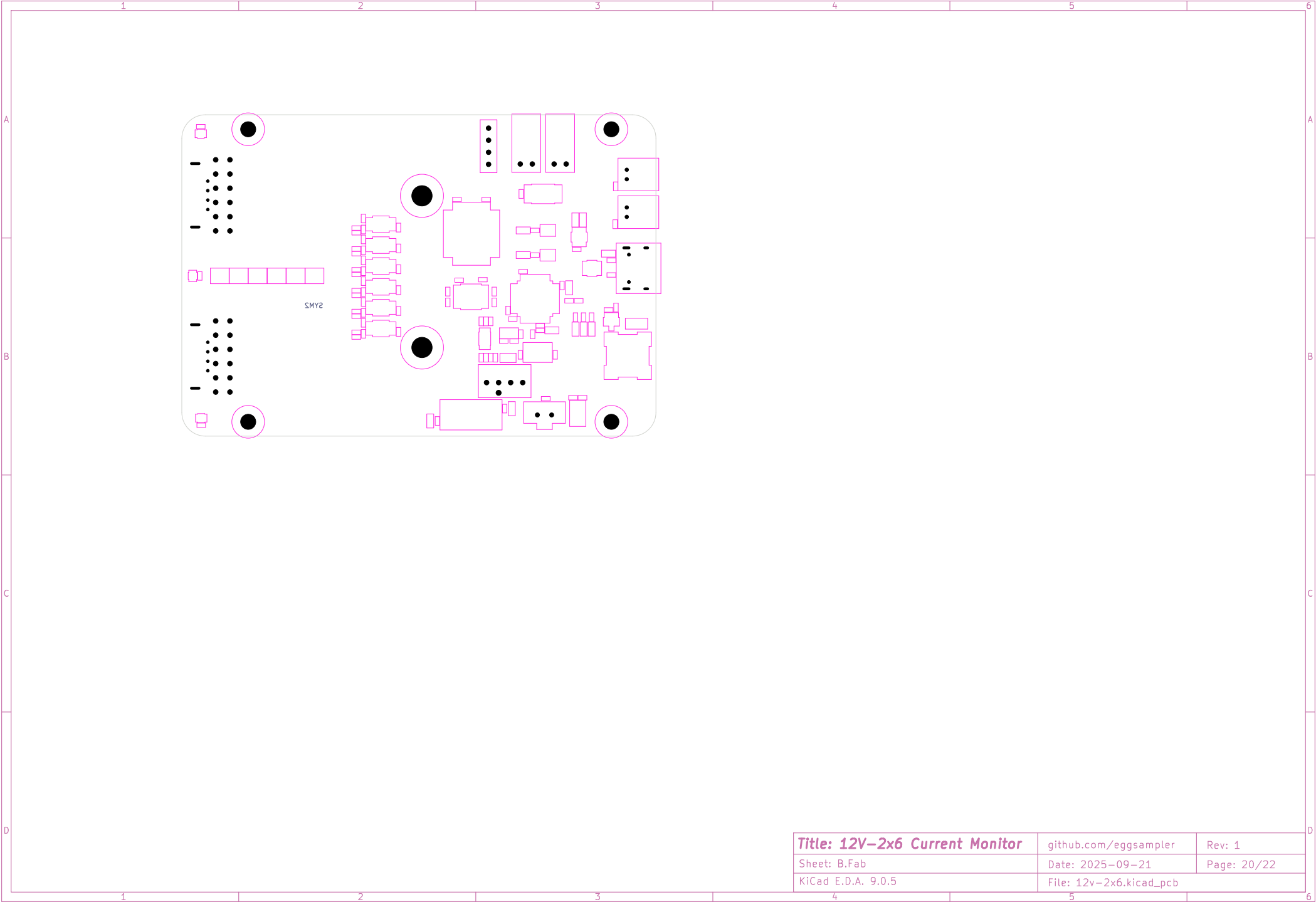


<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: F.Courtyard	Date: 2025-09-21	Page: 17/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	

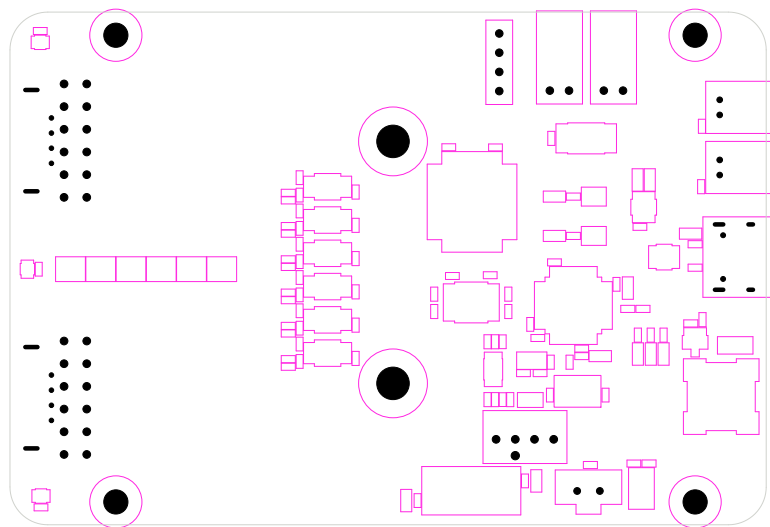


<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggsampler	Rev: 1
Sheet: B.Courtyard	Date: 2025-09-21	Page: 18/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	





<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggssampler	Rev: 1
Sheet: B.Fab	Date: 2025-09-21	Page: 20/22
KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	



12V-2x6 Side Stackup  
F - 12V / Signal  
In1 - GND  
In2 - 12V / 5V  
In3 - GND  
In4 - 12V / 5V  
B - GND

MCU Side Stackup  
F - Signal  
In1 - GND  
In2 - 5V  
In3 - GND  
In4 - 3.3V  
B - Signal

2oz copper on 1.6mm  
Default track width 10mil/0.254mm  
Default spacing 0.2mm  
Vias 0.6mm/0.3mm & to be filled and capped

GND via stitching around 12V areas is for heat transfer  
GND via stitching in 12V areas is for current+heat transfer

<b>Title: 12V-2x6 Current Monitor</b>	github.com/eggssampler	Rev: 1
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KiCad E.D.A. 9.0.5	File: 12v-2x6.kicad_pcb	

