

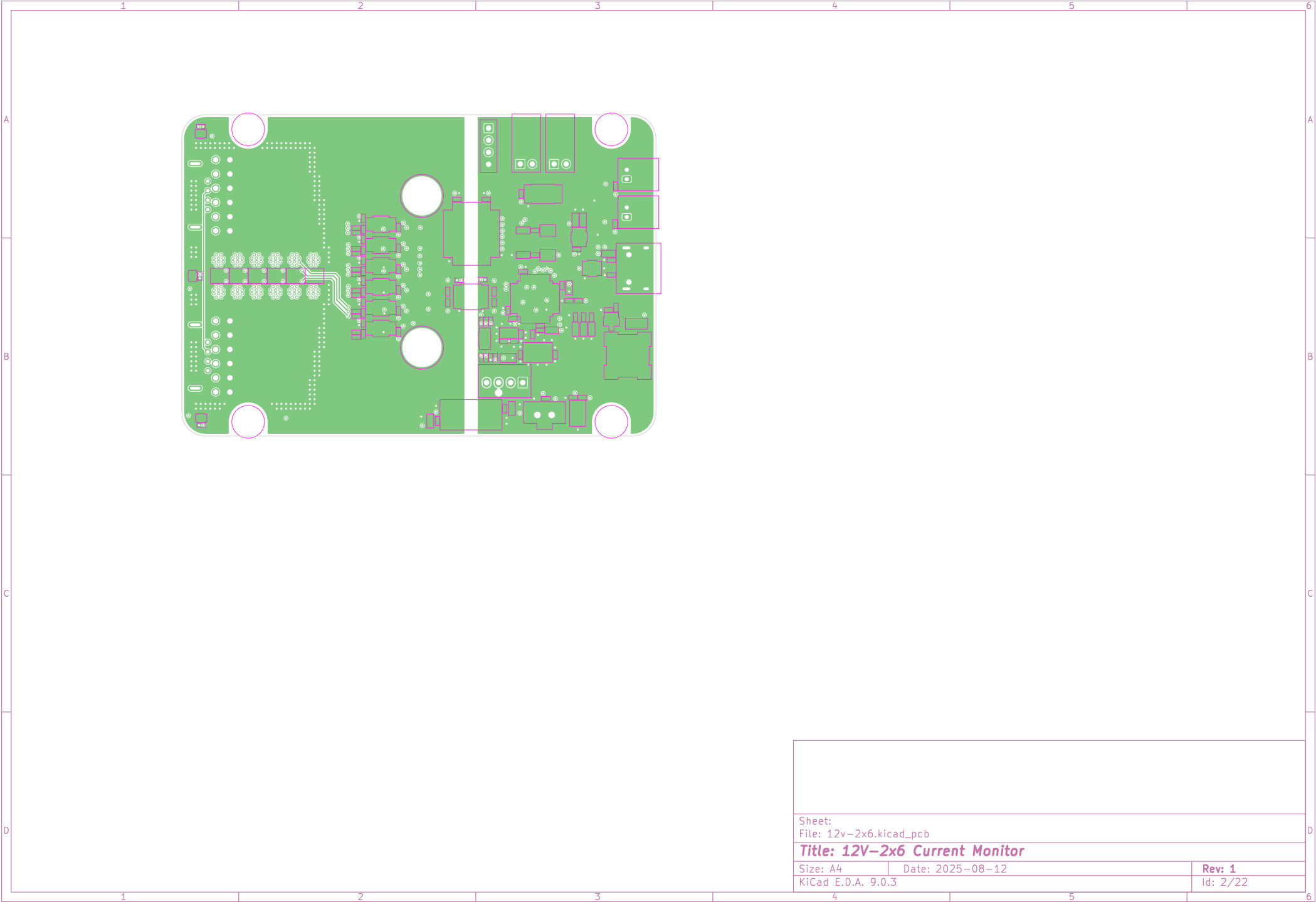
Sheet:  
File: 12v-2x6.kicad\_pcb

**Title: 12V-2x6 Current Monitor**

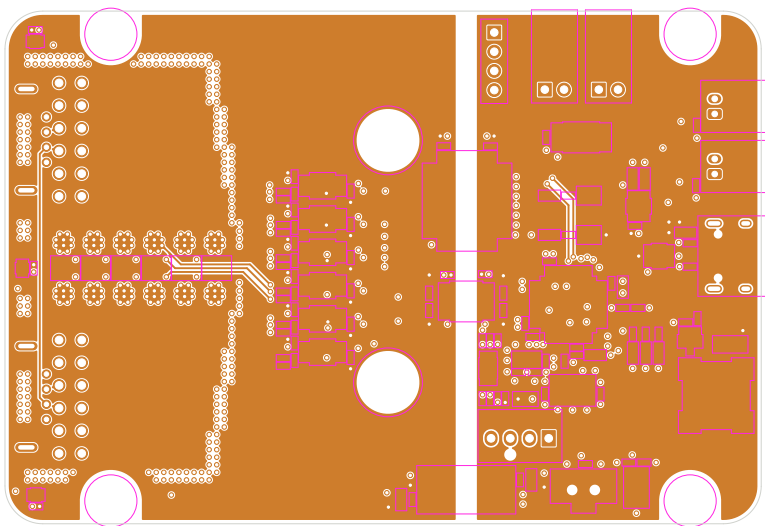
Size: A4 Date: 2025-08-12

KiCad E.D.A. 9.0.3

**Rev: 1**  
Id: 1/22



Sheet:		
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Size: A4	Date: 2025-08-12	Rev: 1
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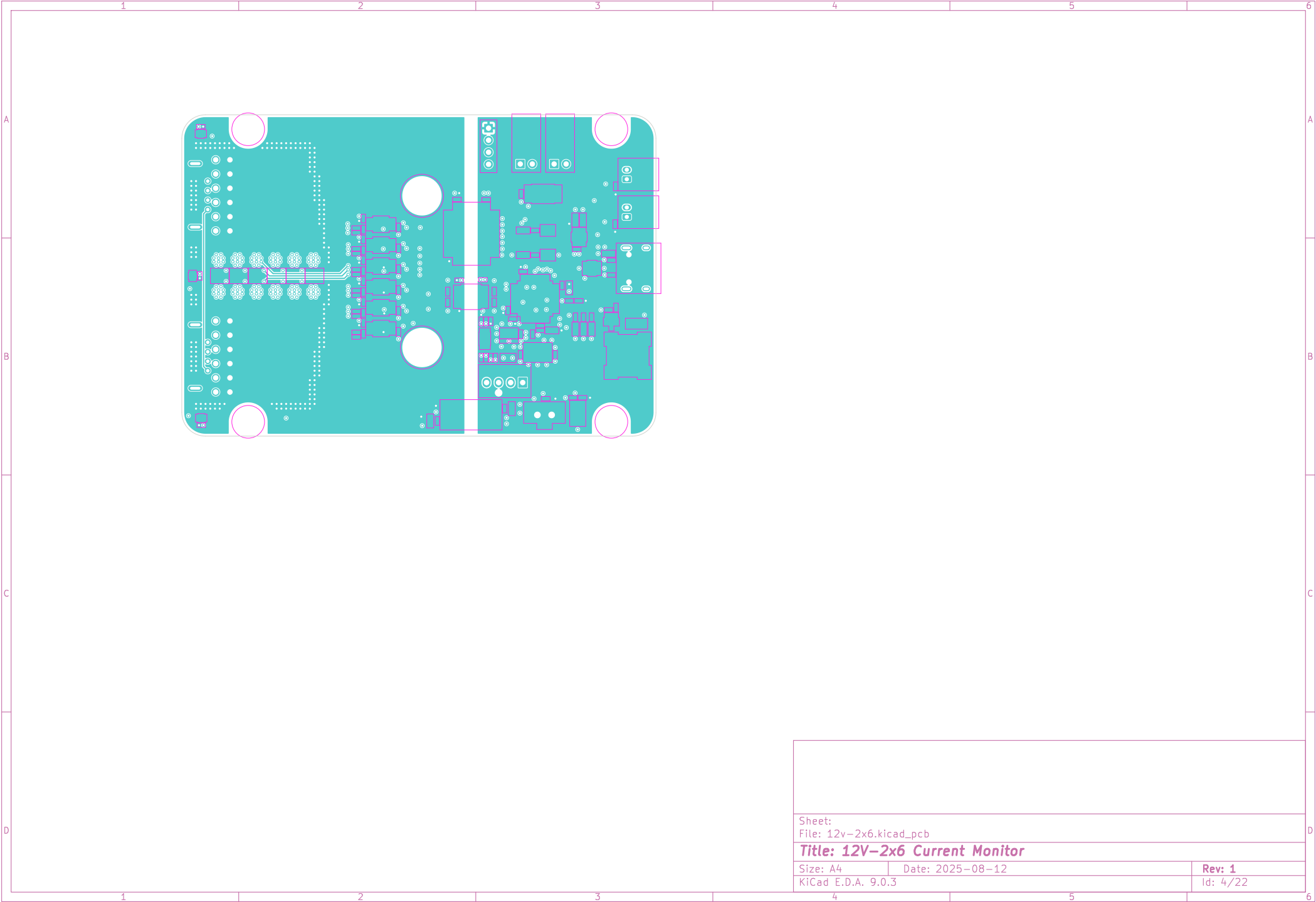
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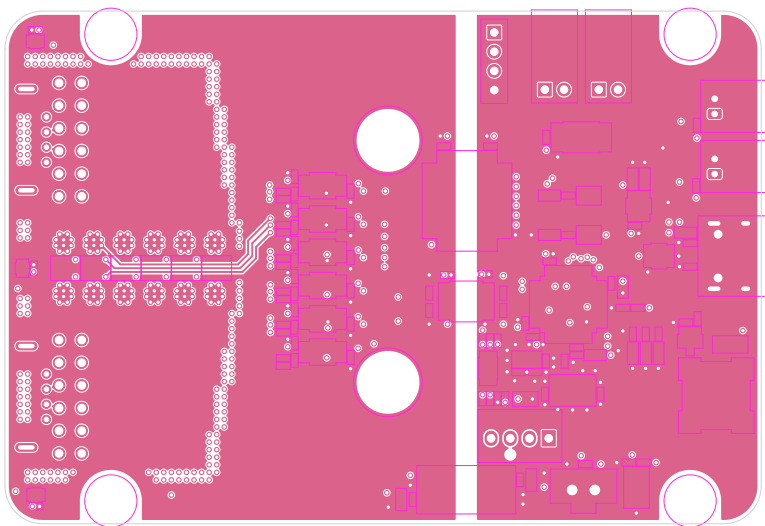
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**Rev: 1**  
Id: 3/22



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Size: A4	Date: 2025-08-12	Rev: 1
KiCad E.D.A. 9.0.3		Id: 4/22



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File: 12v-2x6.kicad\_pcb

**Title: 12V-2x6 Current Monitor**

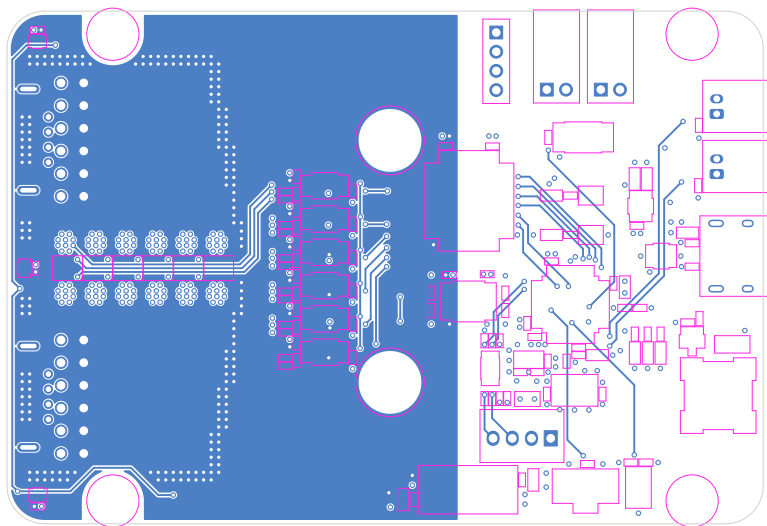
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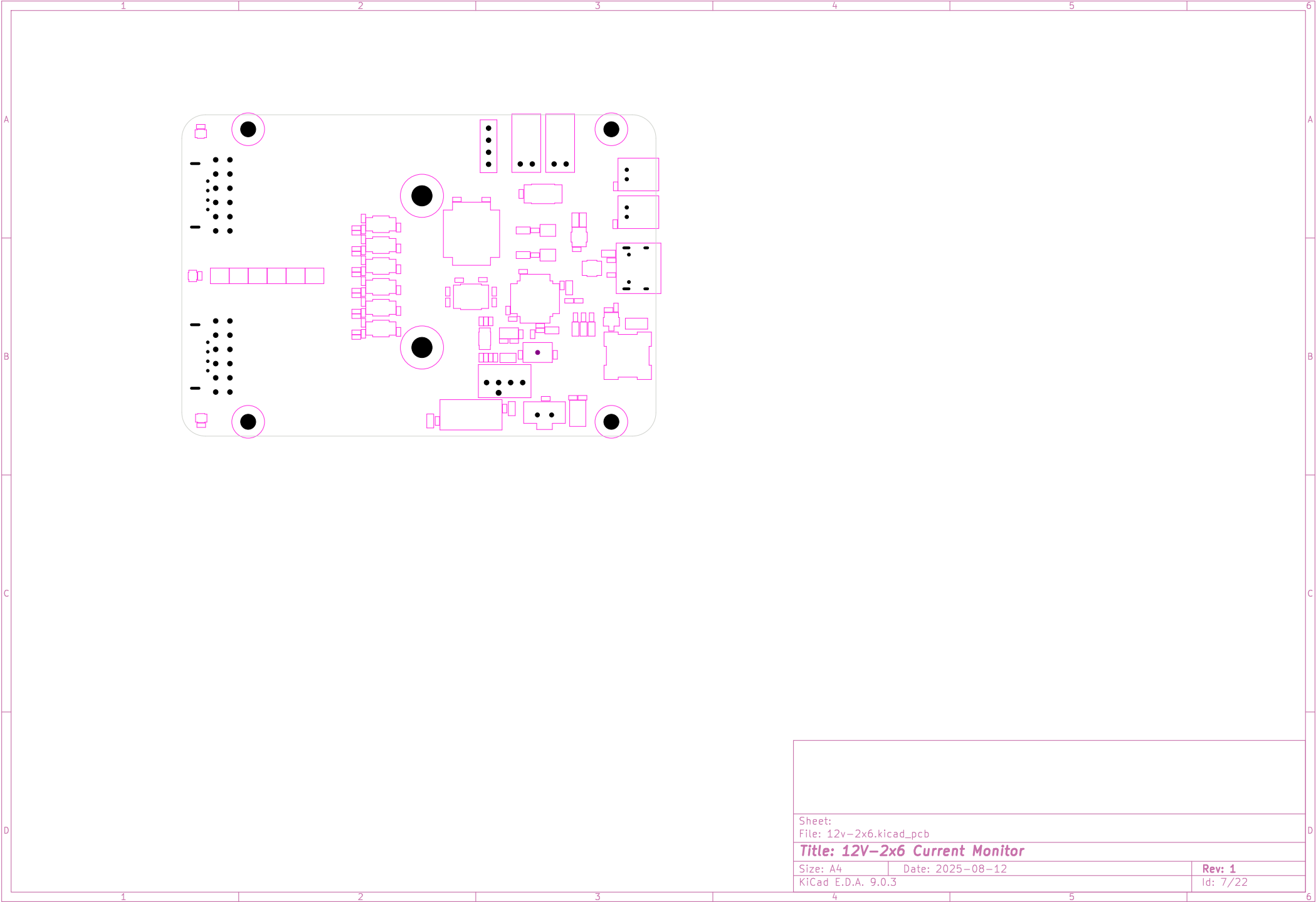
Rev: 1

KiCad E.D.A. 9.0.3

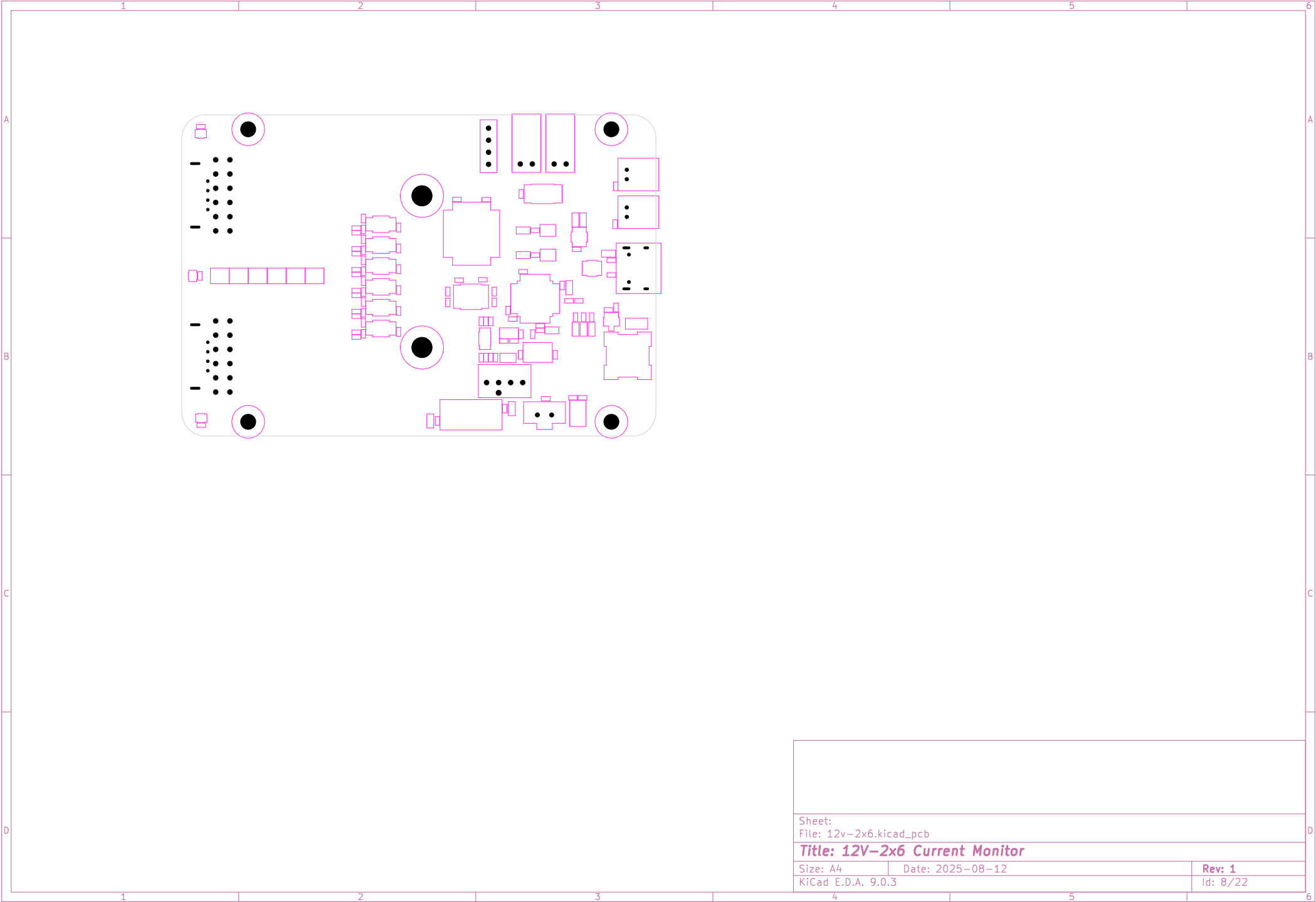
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KiCad E.D.A. 9.0.3		Id: 6/22

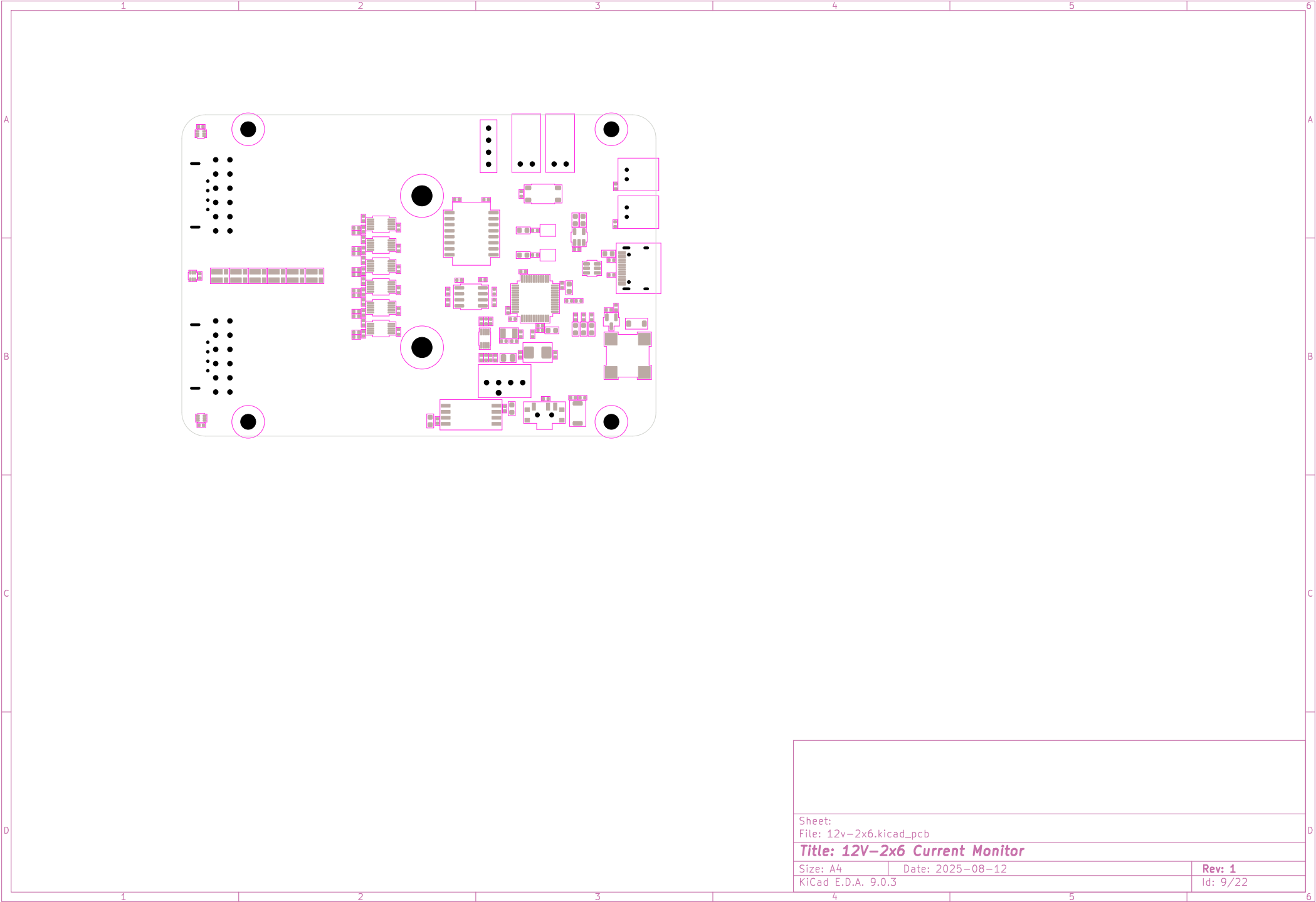


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KiCad E.D.A. 9.0.3	Id: 7/22	

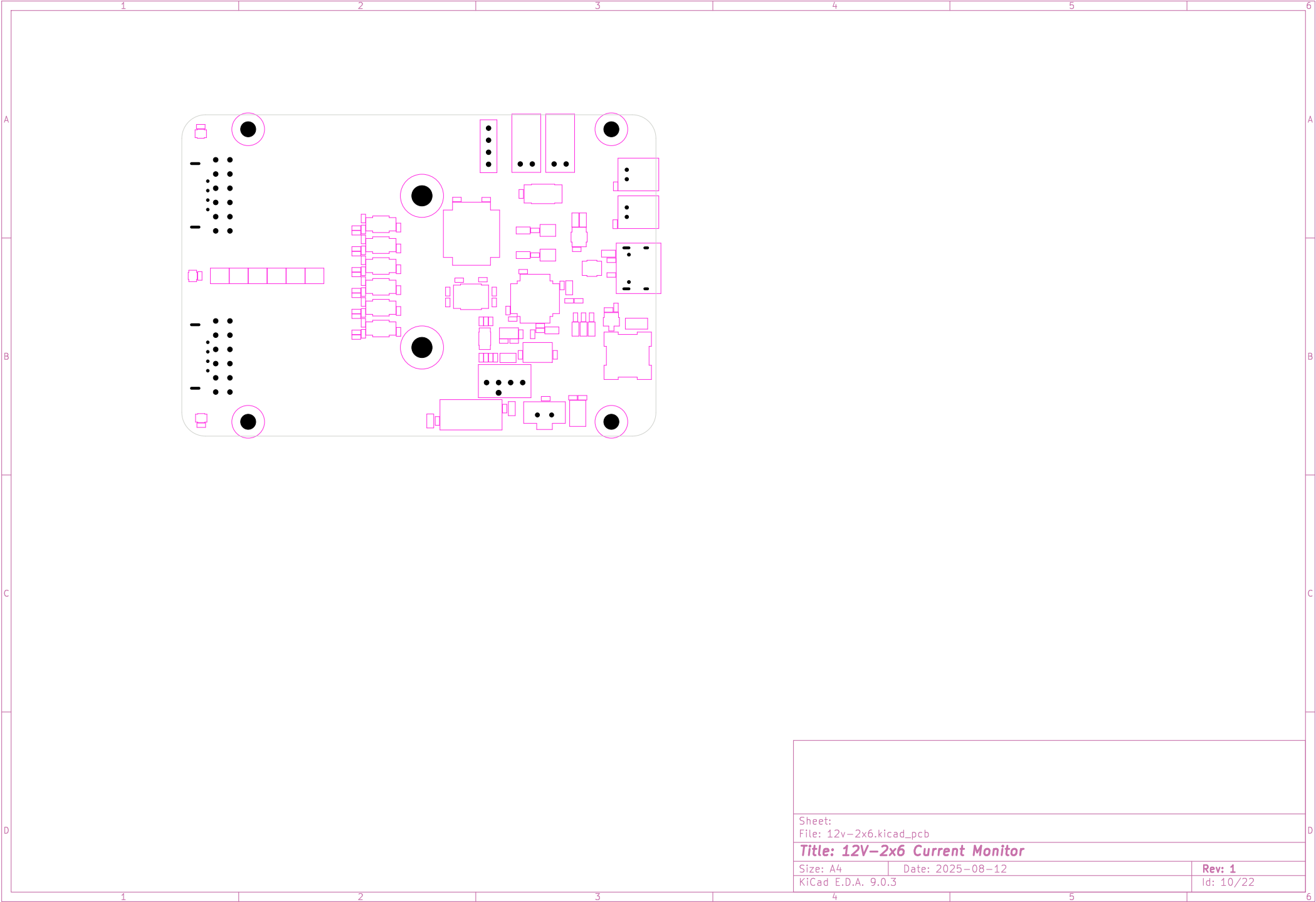


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KiCad E.D.A. 9.0.3	Id: 8/22	

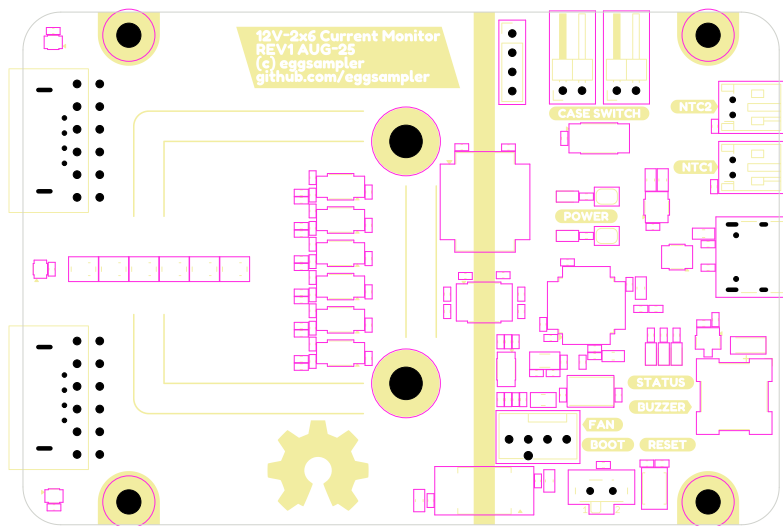




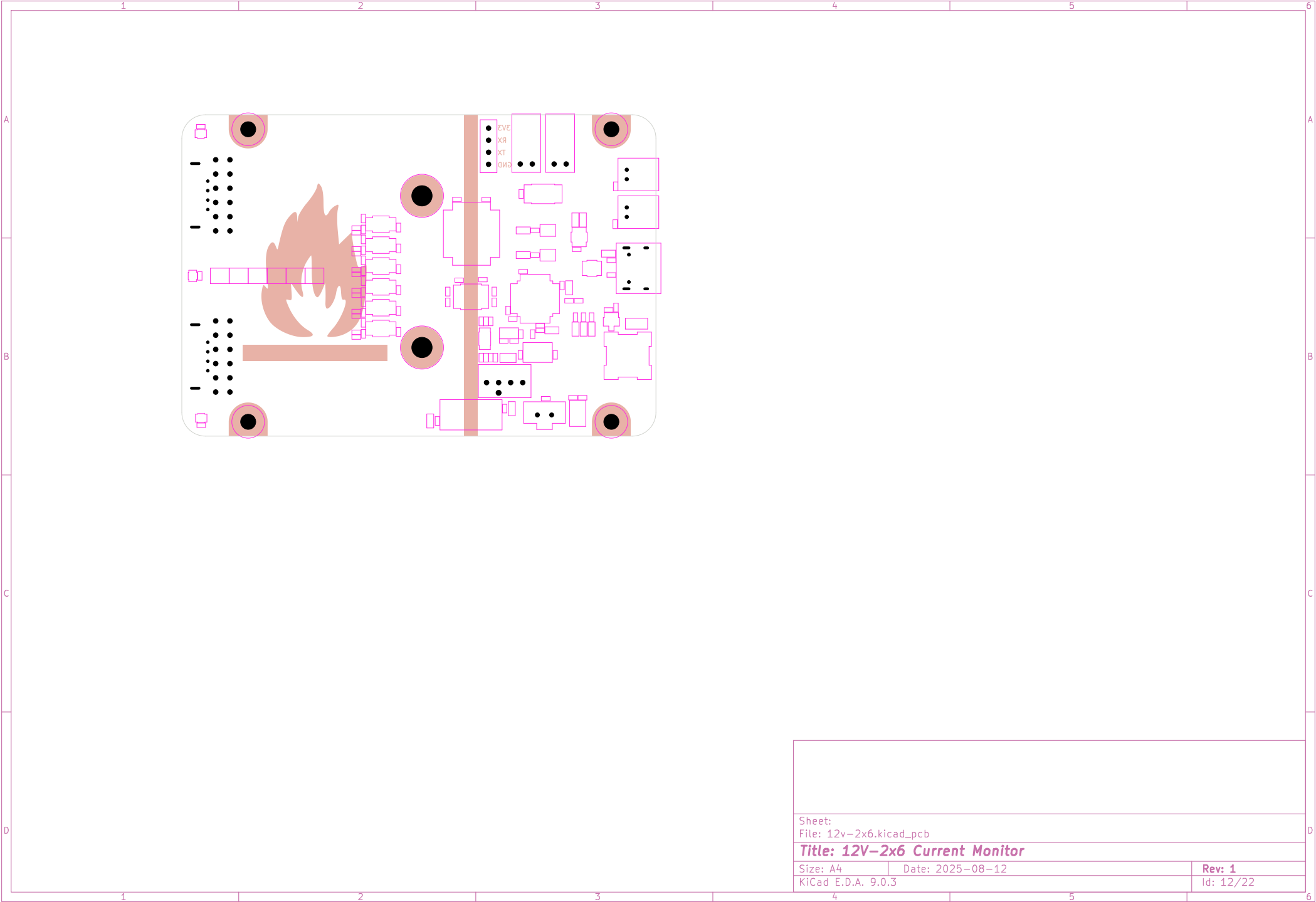
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KiCad E.D.A. 9.0.3		Id: 9/22



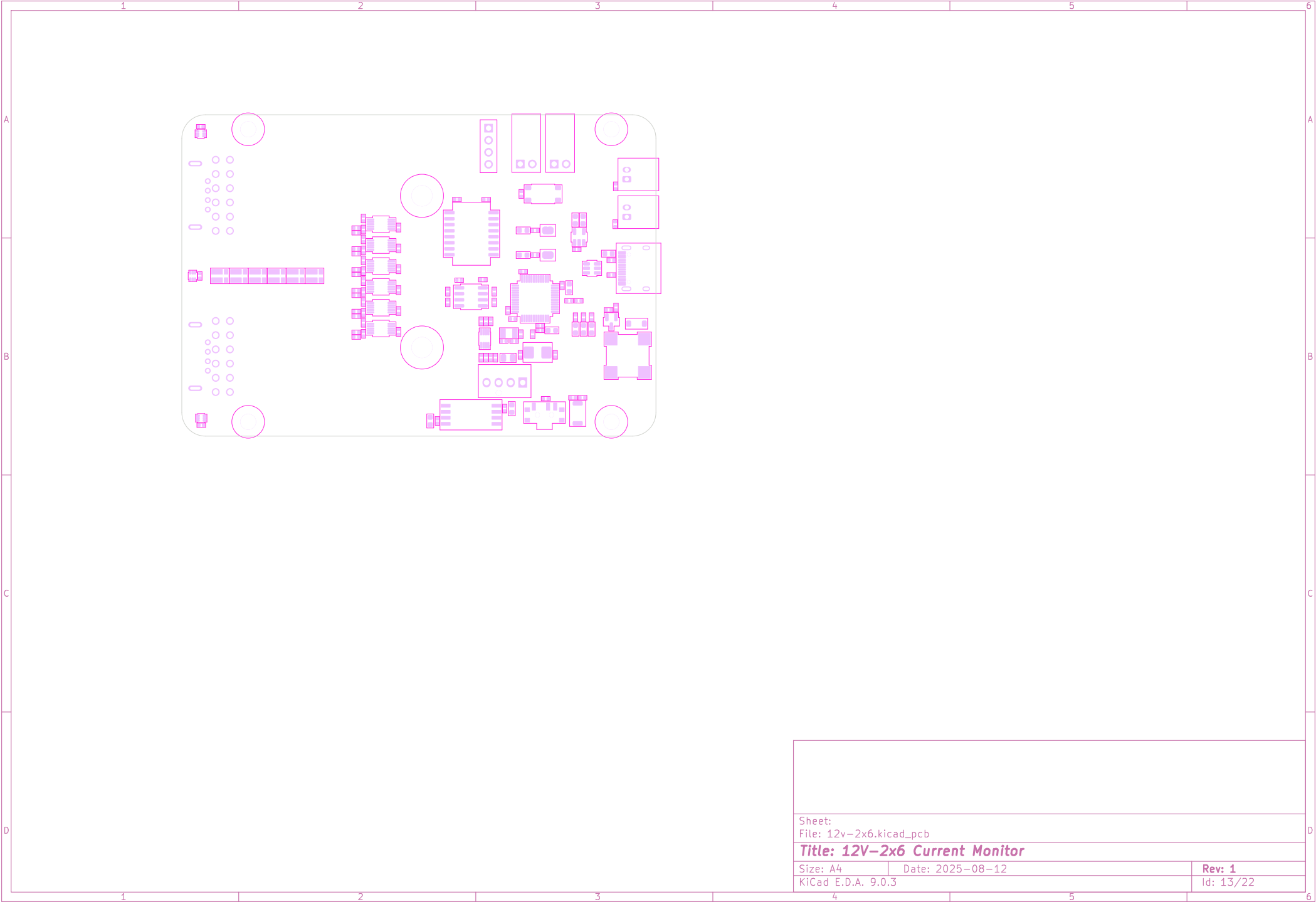
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KiCad E.D.A. 9.0.3		Id: 10/22

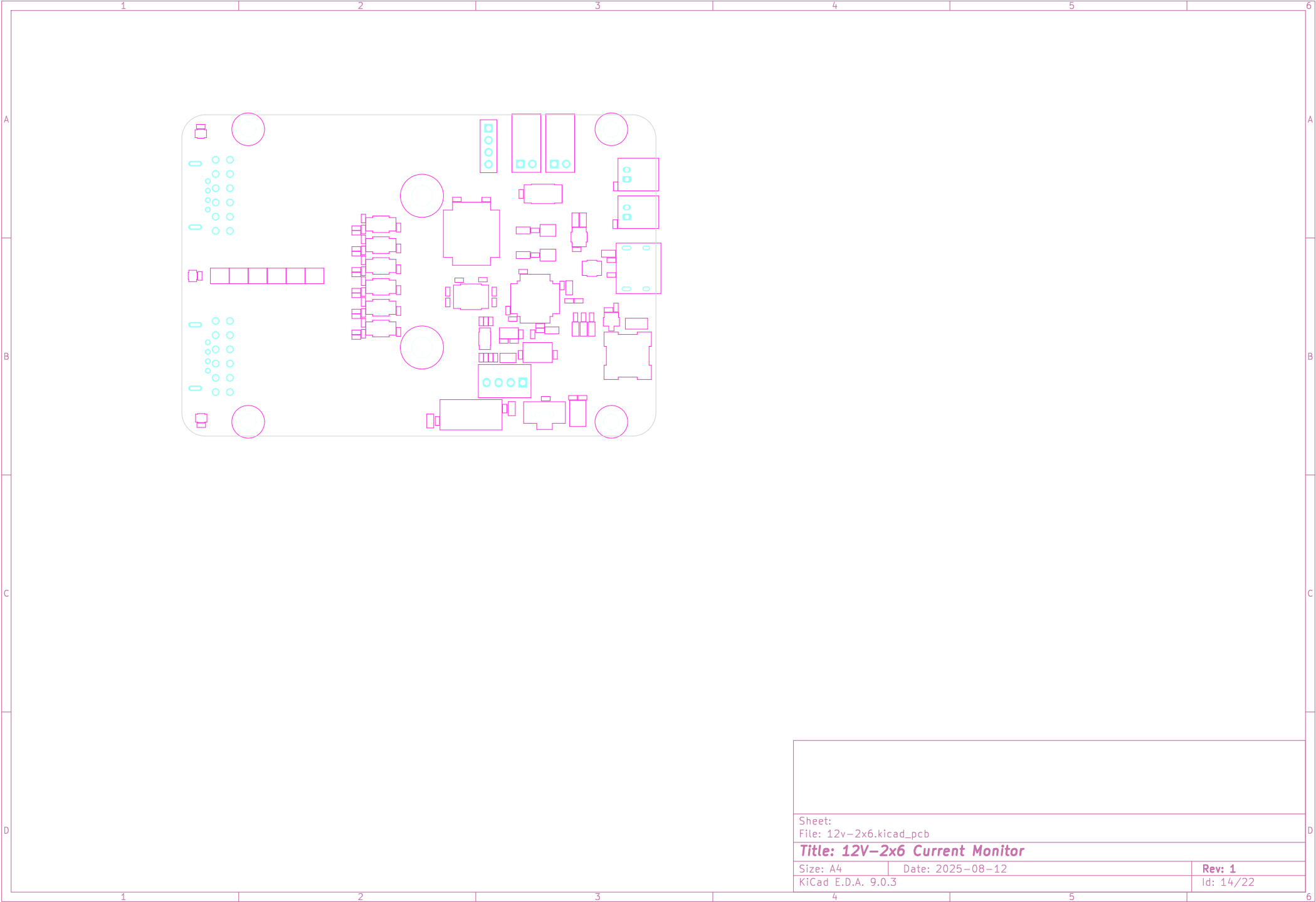


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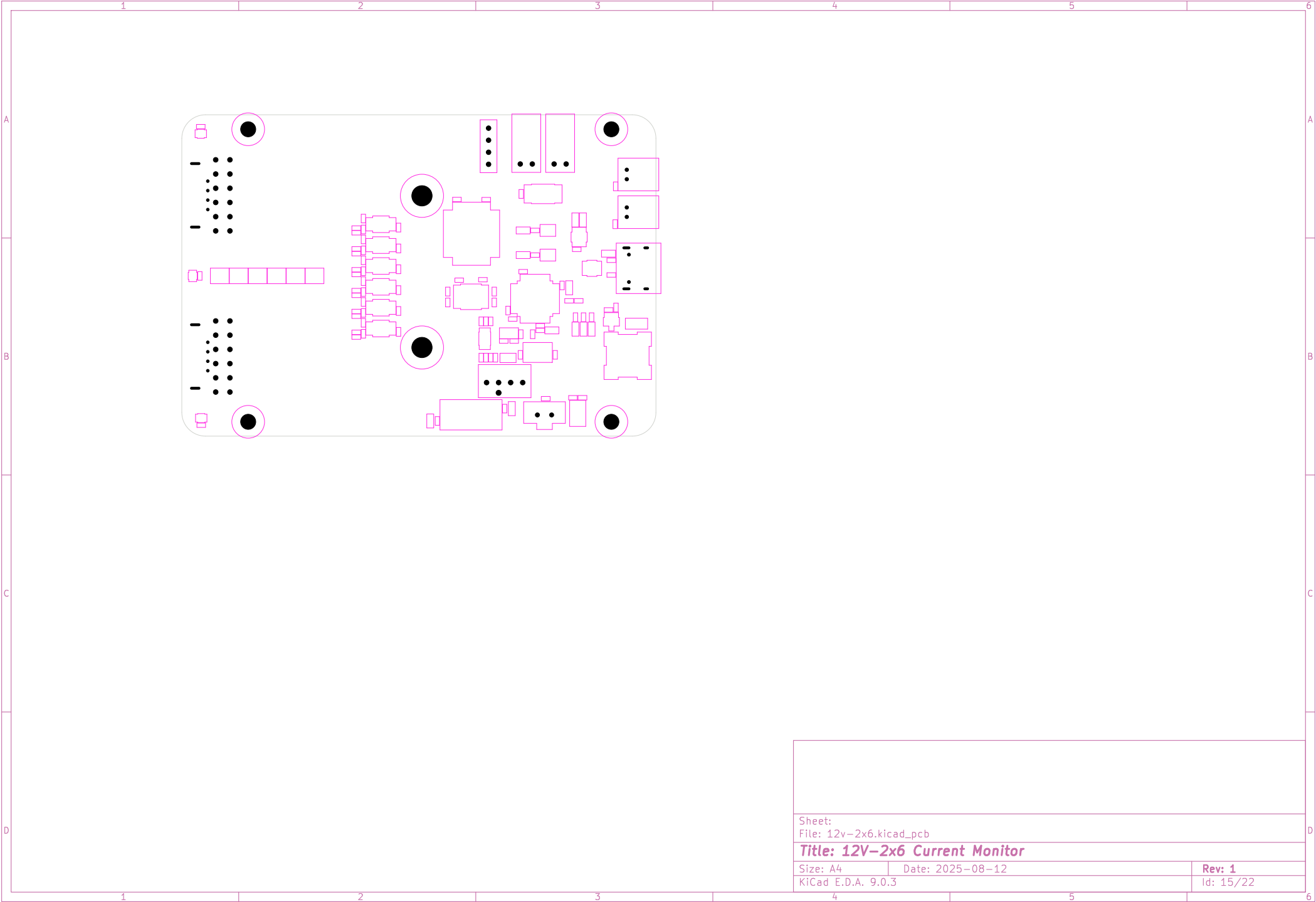


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KiCad E.D.A. 9.0.3		Id: 12/22

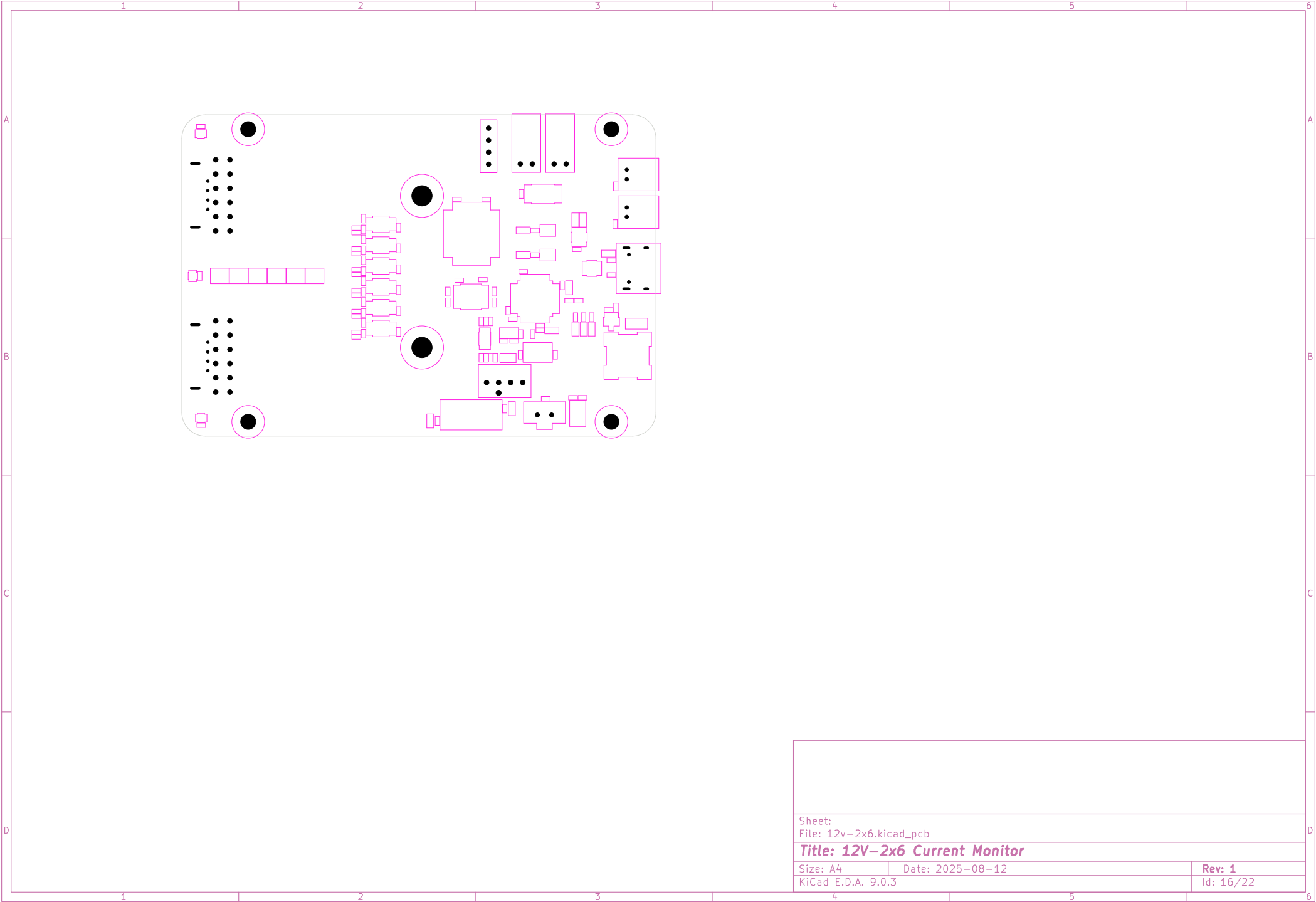




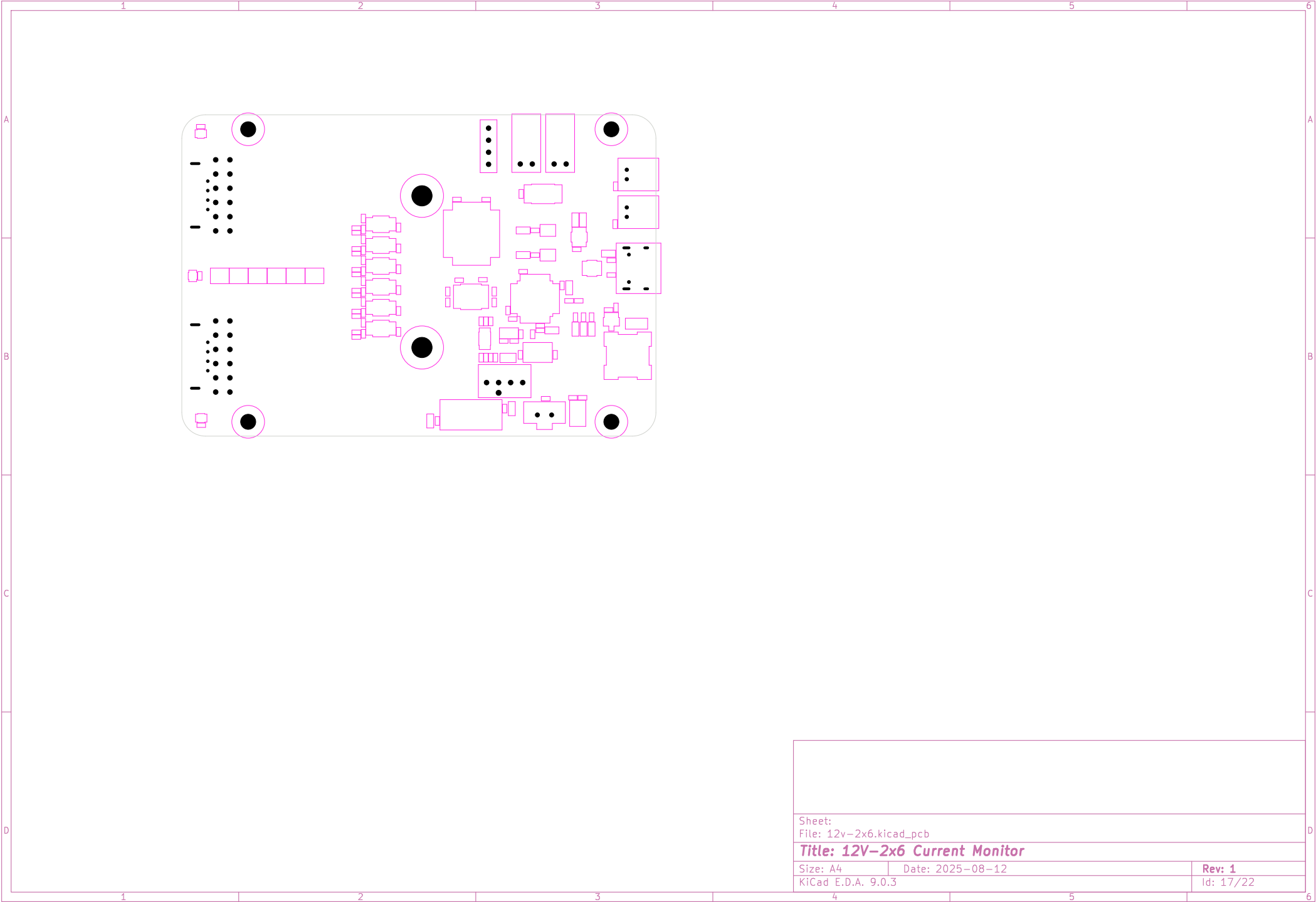
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KiCad E.D.A. 9.0.3		Id: 14/22



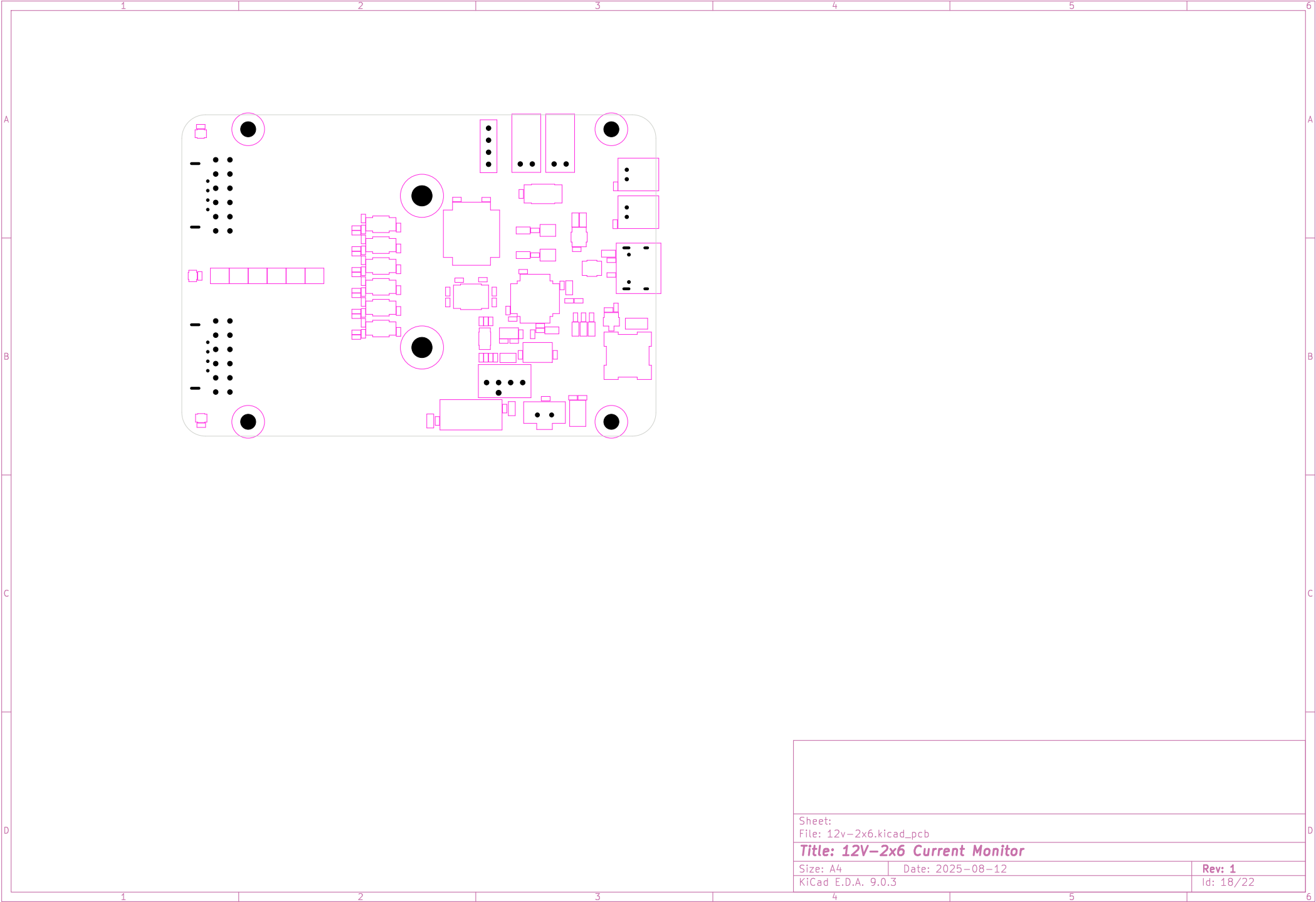
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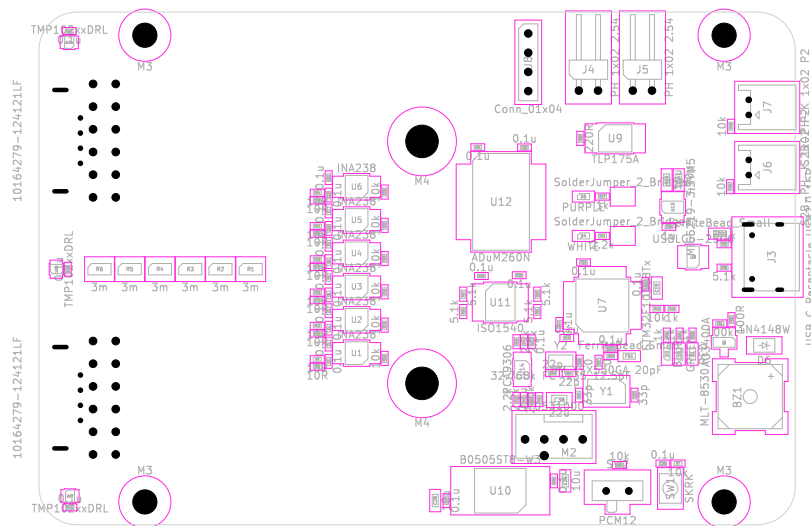




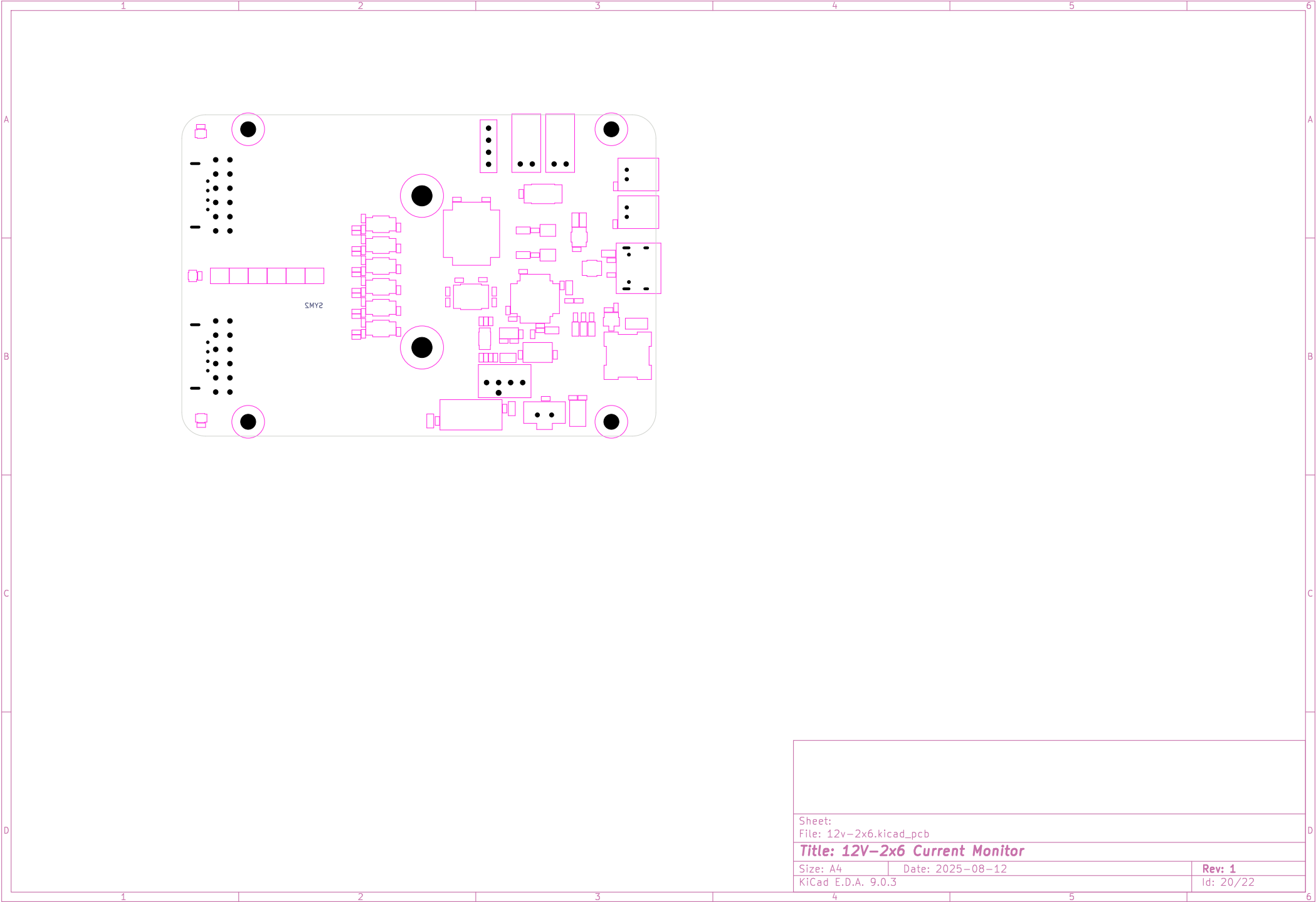
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KiCad E.D.A. 9.0.3		Id: 17/22



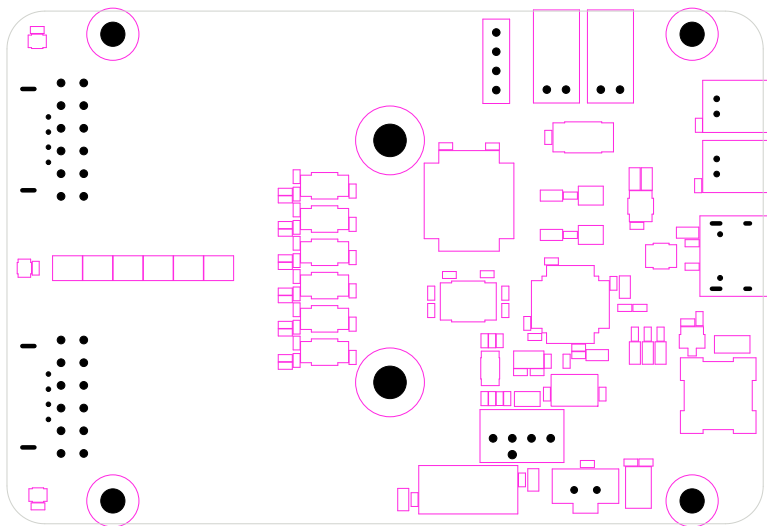
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KiCad E.D.A. 9.0.3		Id: 18/22



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Size: A4	Date: 2025-08-12	Rev: 1
KiCad E.D.A. 9.0.3		Id: 19/22



Sheet:		
File: 12v-2x6.kicad_pcb		
Title: 12V-2x6 Current Monitor		
Size: A4	Date: 2025-08-12	Rev: 1
KiCad E.D.A. 9.0.3	Id: 20/22	



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

1oz or 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

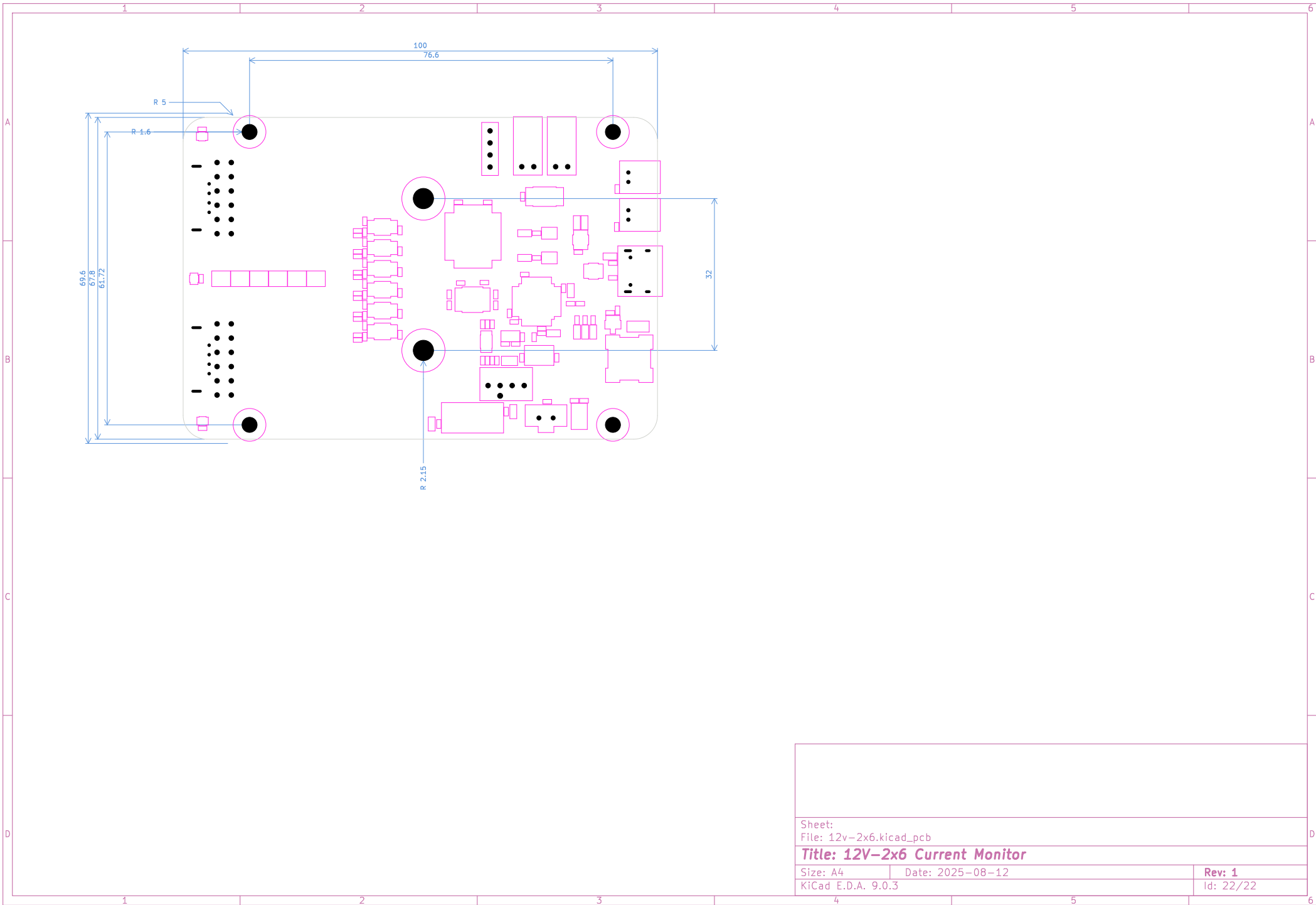
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**Title: 12V-2x6 Current Monitor**

Size: A4 Date: 2025-08-12

KiCad E.D.A. 9.0.3

**Rev: 1**  
Id: 21/22



Sheet:		
File: 12v-2x6.kicad_pcb		
Title: 12V-2x6 Current Monitor		
Size: A4	Date: 2025-08-12	Rev: 1
KiCad E.D.A. 9.0.3	Id: 22/22	