

1CM 1 2 3 4 5 6 7 8 A3

20CM 10CM 1CM A3

Notes

- Material acc. to IPC 4101-/98;-/99;-/124;-/126;-/129;-/130;-/131
- Quality requirement acc. to IPC 6012B Class 2
- Flammability acc. to UL94, V-0
- PCB has to be RoHS-conform acc. to 2011/65/EU
- Max. bow: 0.75% acc. to IPC-TM-650 (chapter 2.4.22)
- Solder Mask: Only released solder masks acc. to our technical delivery conditions Z7001
 - Solder resistant for the process Pb-free soldering acc. to J-STD-20
 - Min. layer thickness on track edge: 5u
 - Max. layer thickness on track: 50u
- Requirements for electrical testing of PCB: IPC-9252 level B
- Delivery and acceptance specifications acc. to IPC-A-600H Class 2
- Non-functional pads on inner layers may be removed

Impedance controlled tracks

Layer	Impedance	Track width	Spacing	Ref. layer 1	Ref. layer 2	Tolerance
L1	50 OHM	0.550	0.300		L2	+/-10%

Stack up (4 Layers)

Description	Base Tickness (µm)	IPC ref.	Layer	Function
Silkscreen		See note	Top Silk	Silkscreen
Soldermask 1		See note	Top Solder Resist	Soldermask
Copper Foil	18		Top Elec	Layer 1
Prepreg	100	See note		
Prepreg	180	See note		
Copper Foil	35		GND	Layer 2
Prepreg	930	See note		
Copper Foil	35		VCC	Layer 3
Prepreg	180	See note		
Prepreg	100	See note		
Copper Foil	18		Bottom Elec	Layer 4
Soldermask 2		See note	Bottom Solder Resist	Soldermask

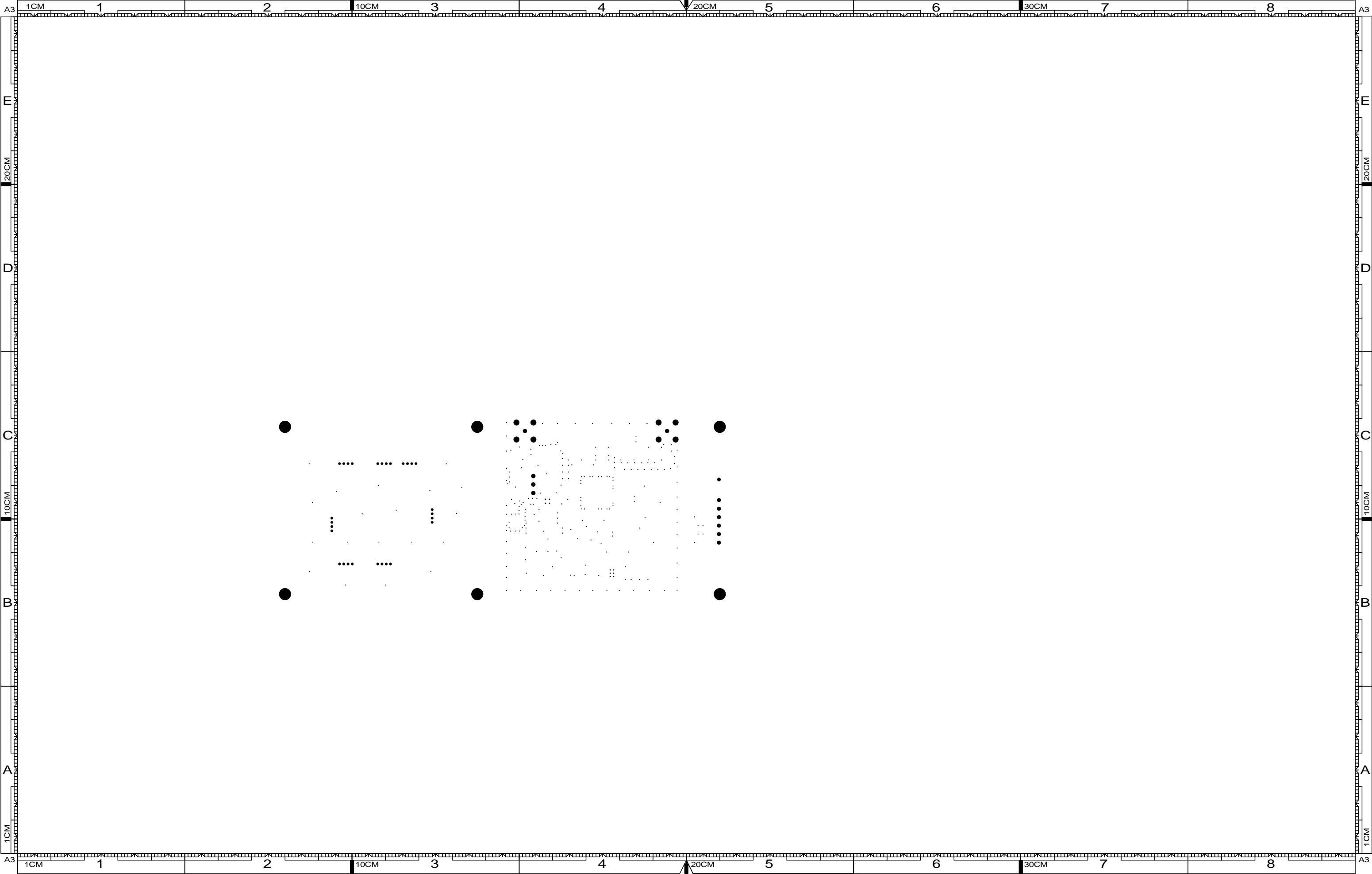
Total Tickness: 1.6 mm +/- 10%

PCB Finish: Chem. Ni (6 +/- 1) µm, Chem. Au (0.07 +/- 0.02)

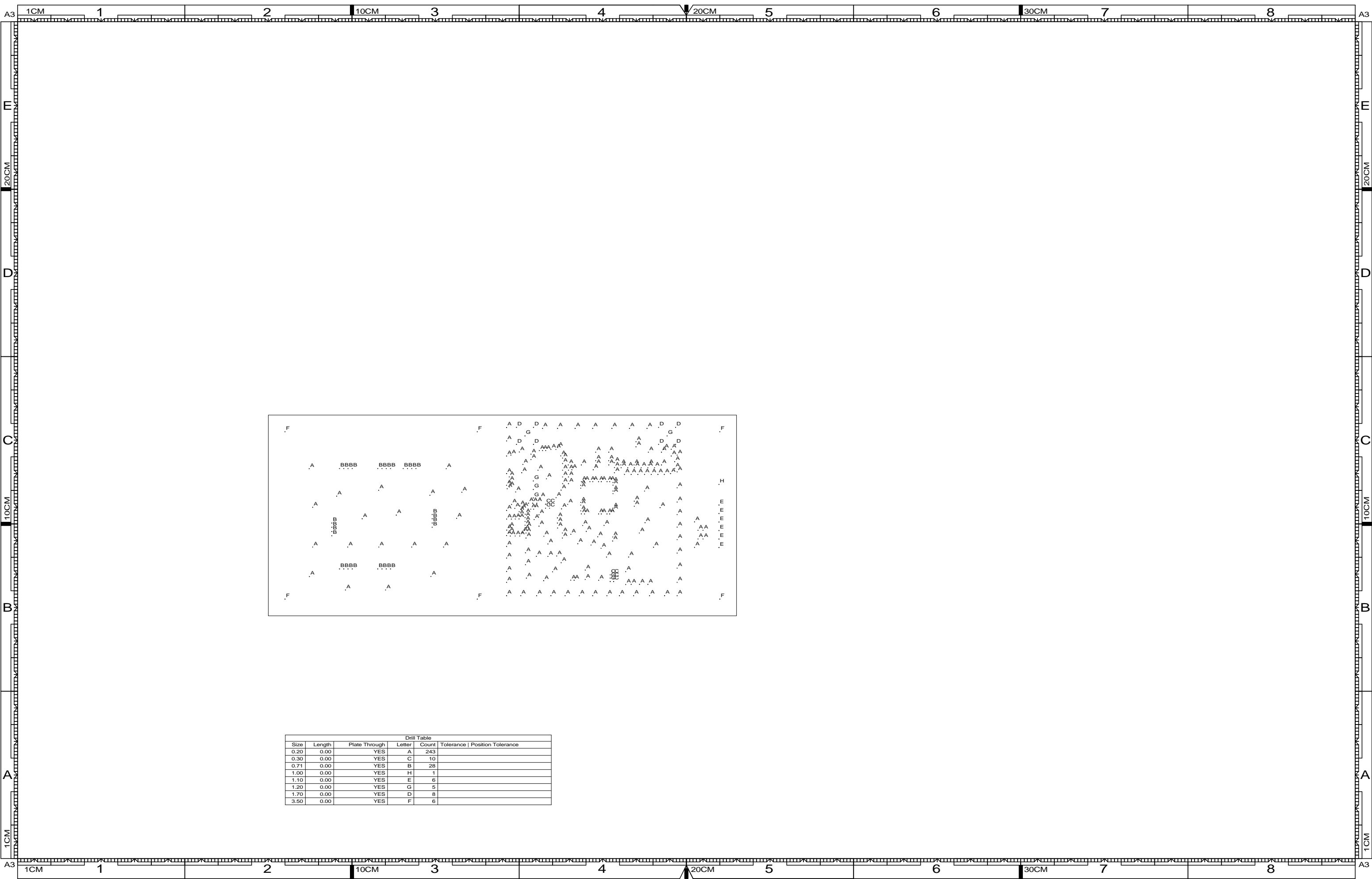
60.00mm 140.00mm

The diagram shows a rectangular PCB layout with a width of 140.00mm and a height of 60.00mm. A coordinate system is located at the bottom-left corner, with the origin (0,0) marked by a circle with a cross. The X-axis points to the right, and the Y-axis points upwards. The layout includes several circular features, likely vias or mounting holes, and a dense pattern of small dots representing the copper layer or solder mask. A dashed rectangular box is located in the upper-left quadrant of the layout.

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			Checked 1	2016-06-10 J. Martens				
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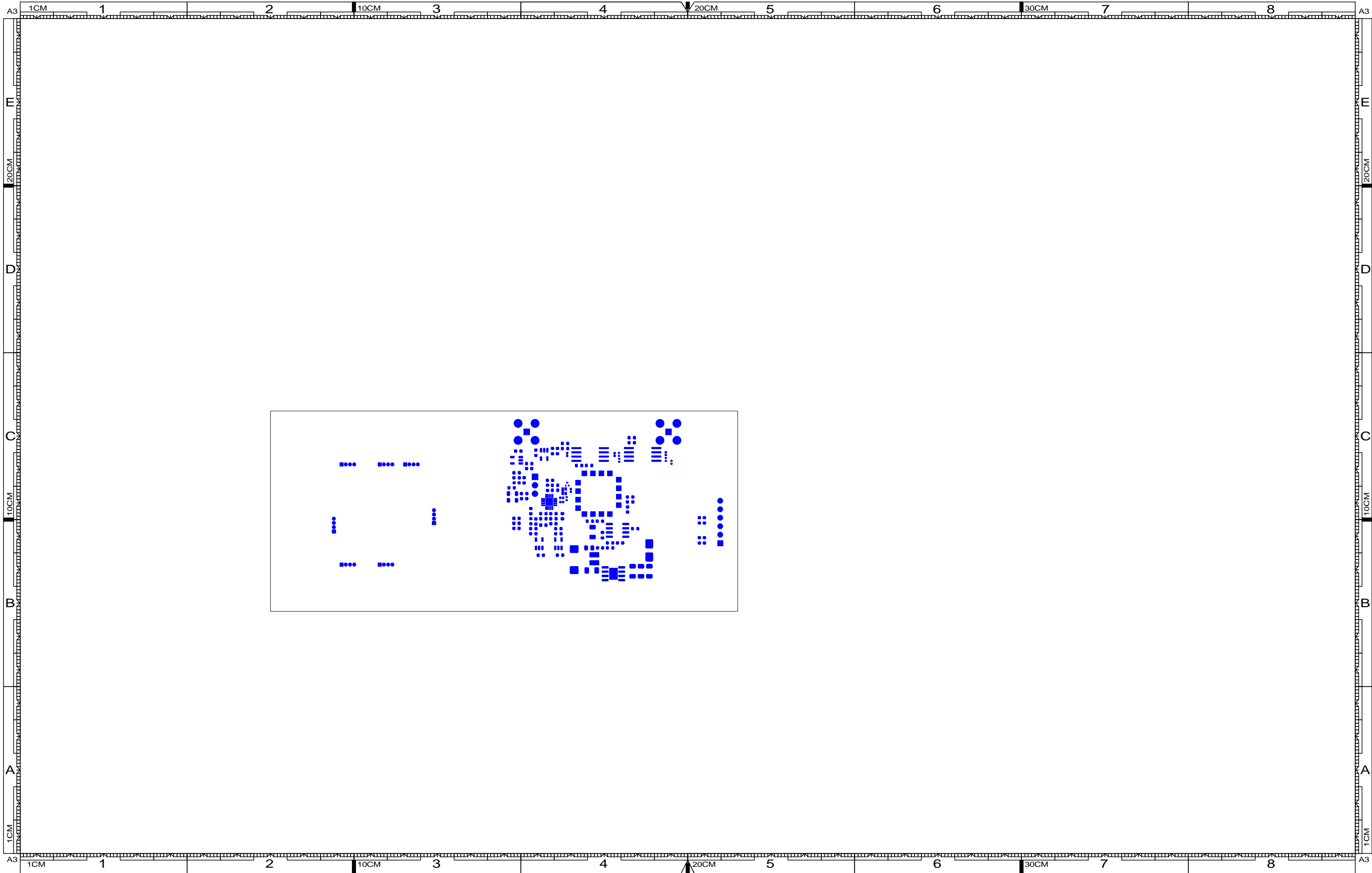


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						40104081	Drill Holes	2/13

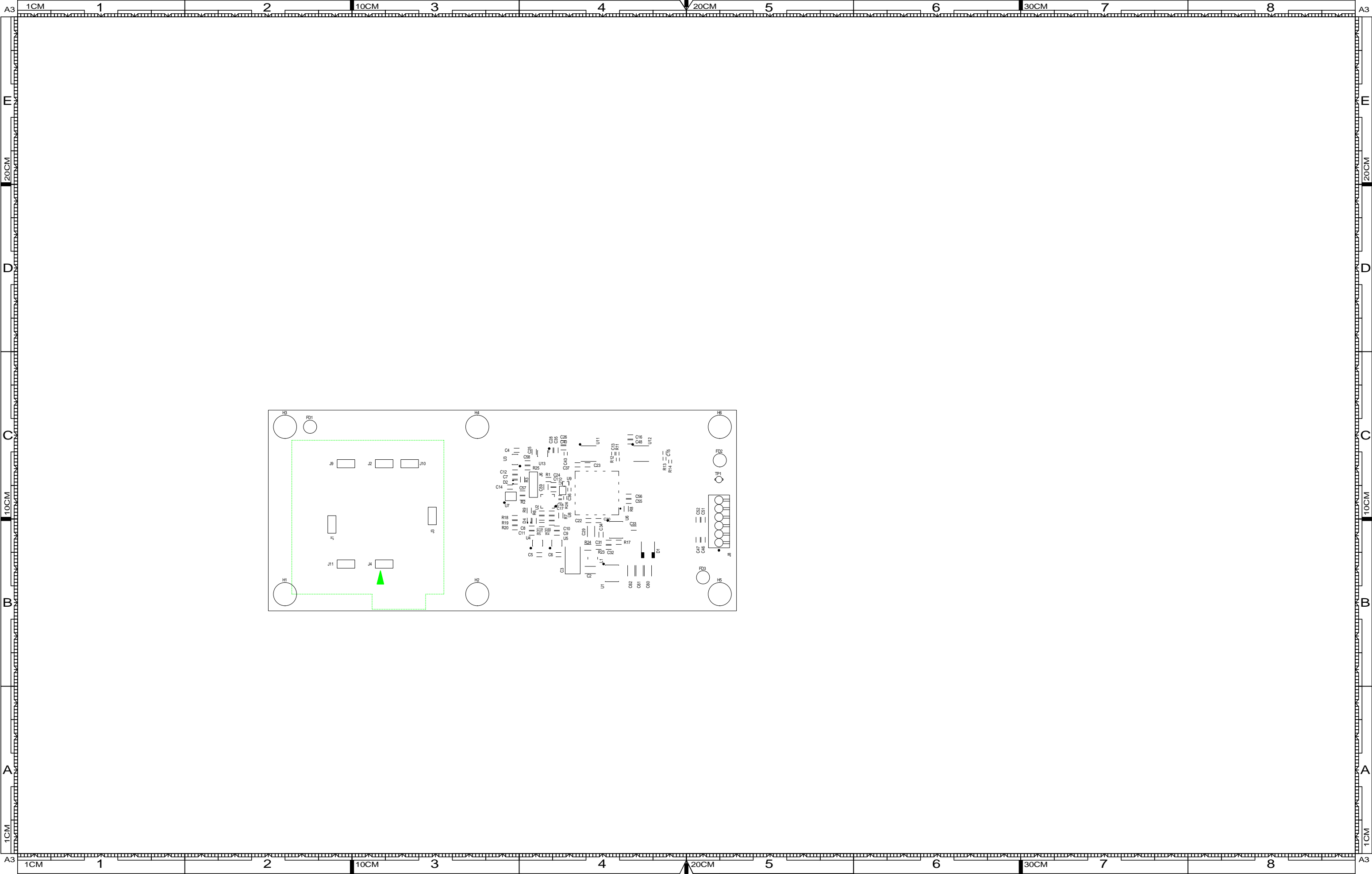


Drill Table					
Size	Length	Plate Through	Letter	Count	Tolerance Position Tolerance
0.20	0.00	YES	A	243	
0.30	0.00	YES	C	10	
0.71	0.00	YES	B	28	
1.00	0.00	YES	H	1	
1.10	0.00	YES	E	6	
1.20	0.00	YES	G	5	
1.70	0.00	YES	D	8	
3.50	0.00	YES	F	6	

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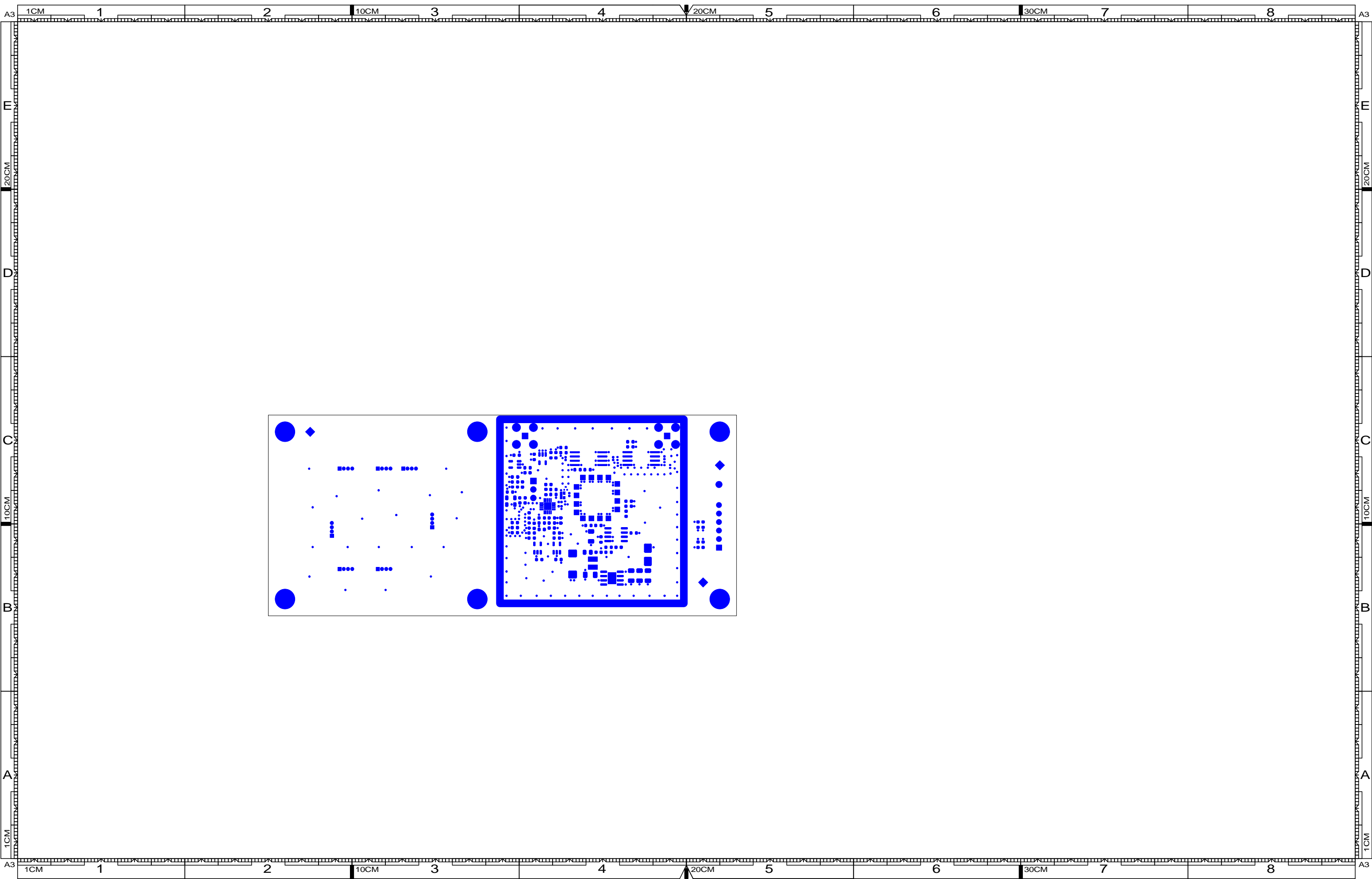


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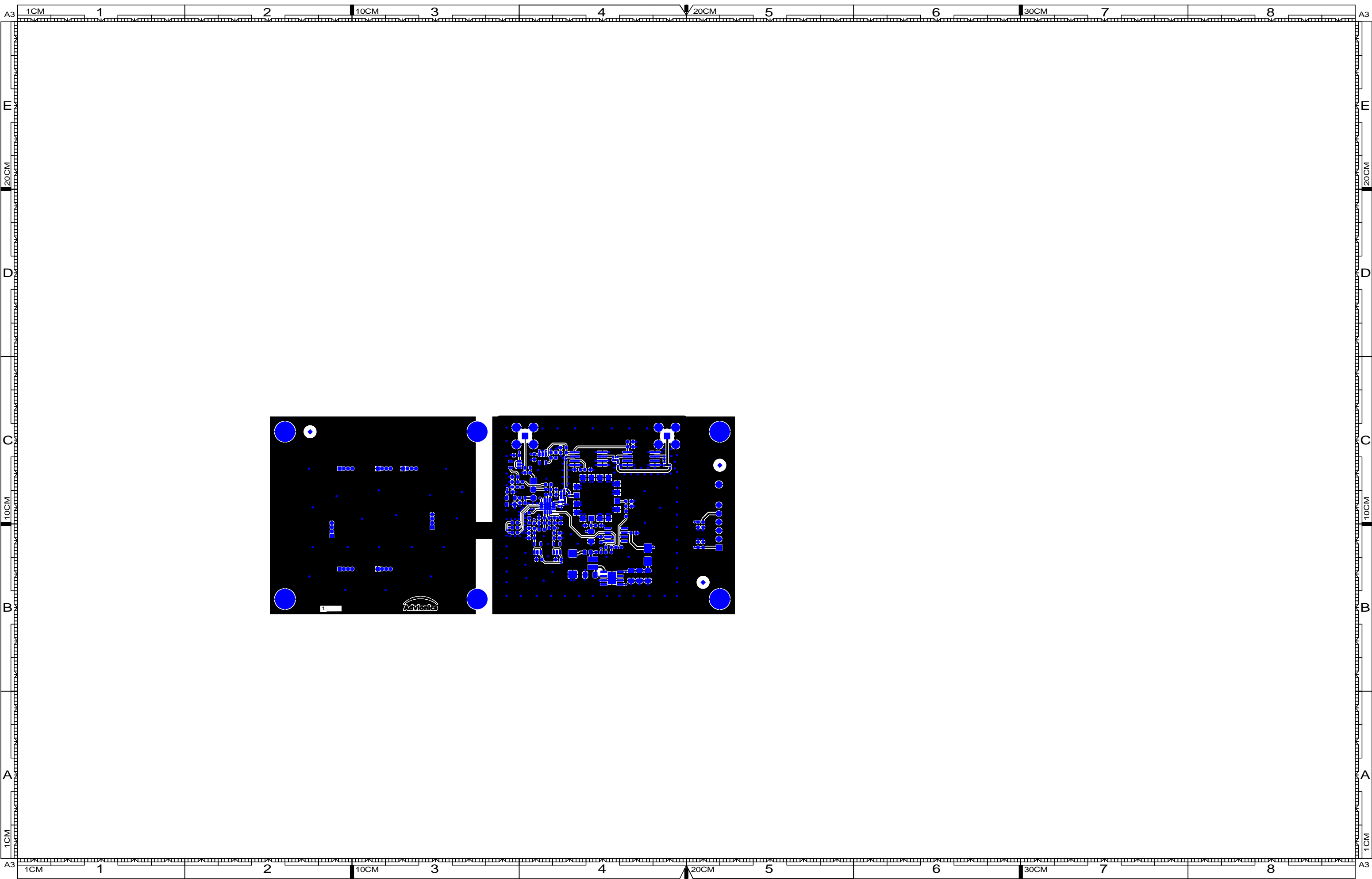
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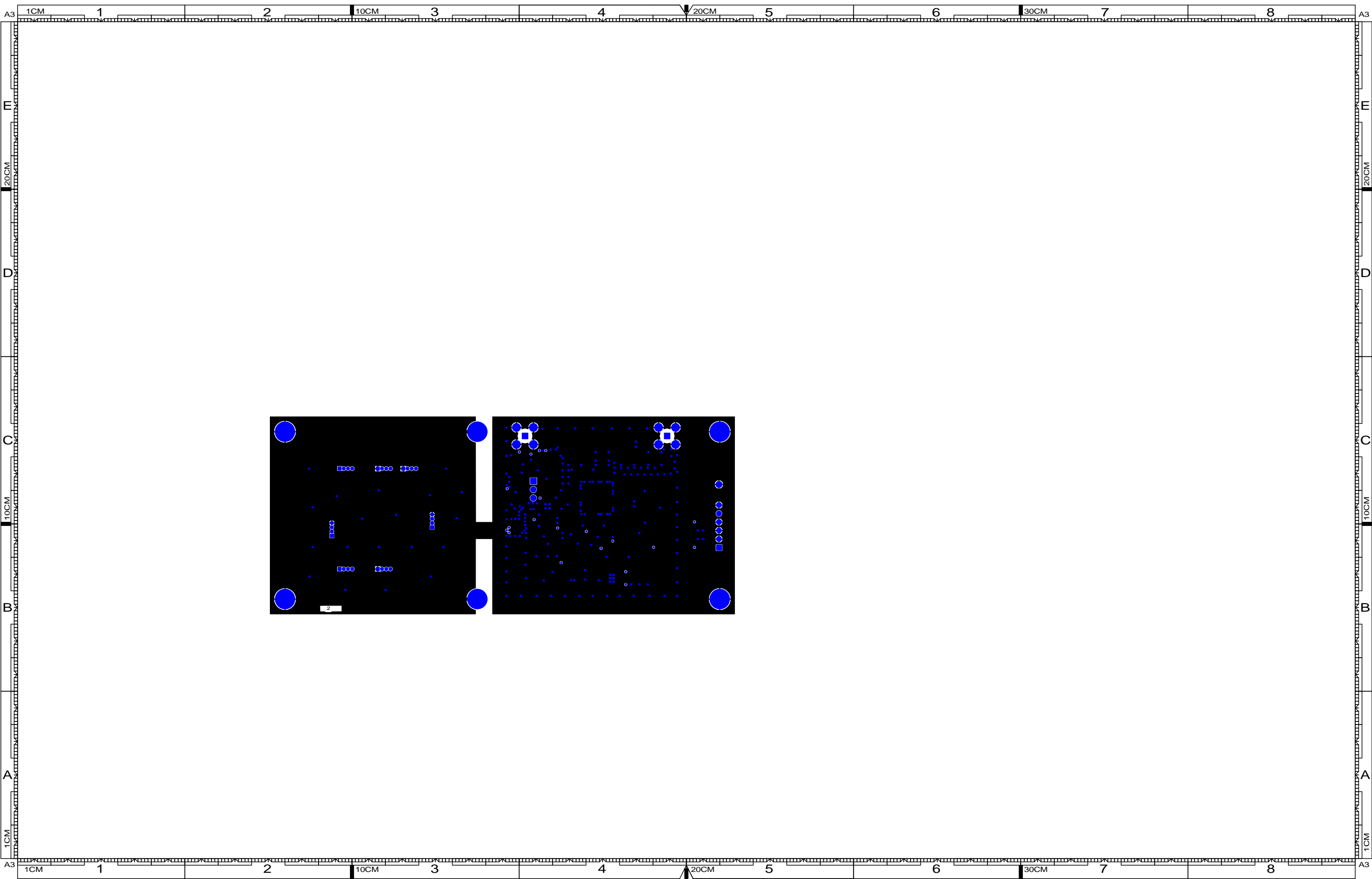
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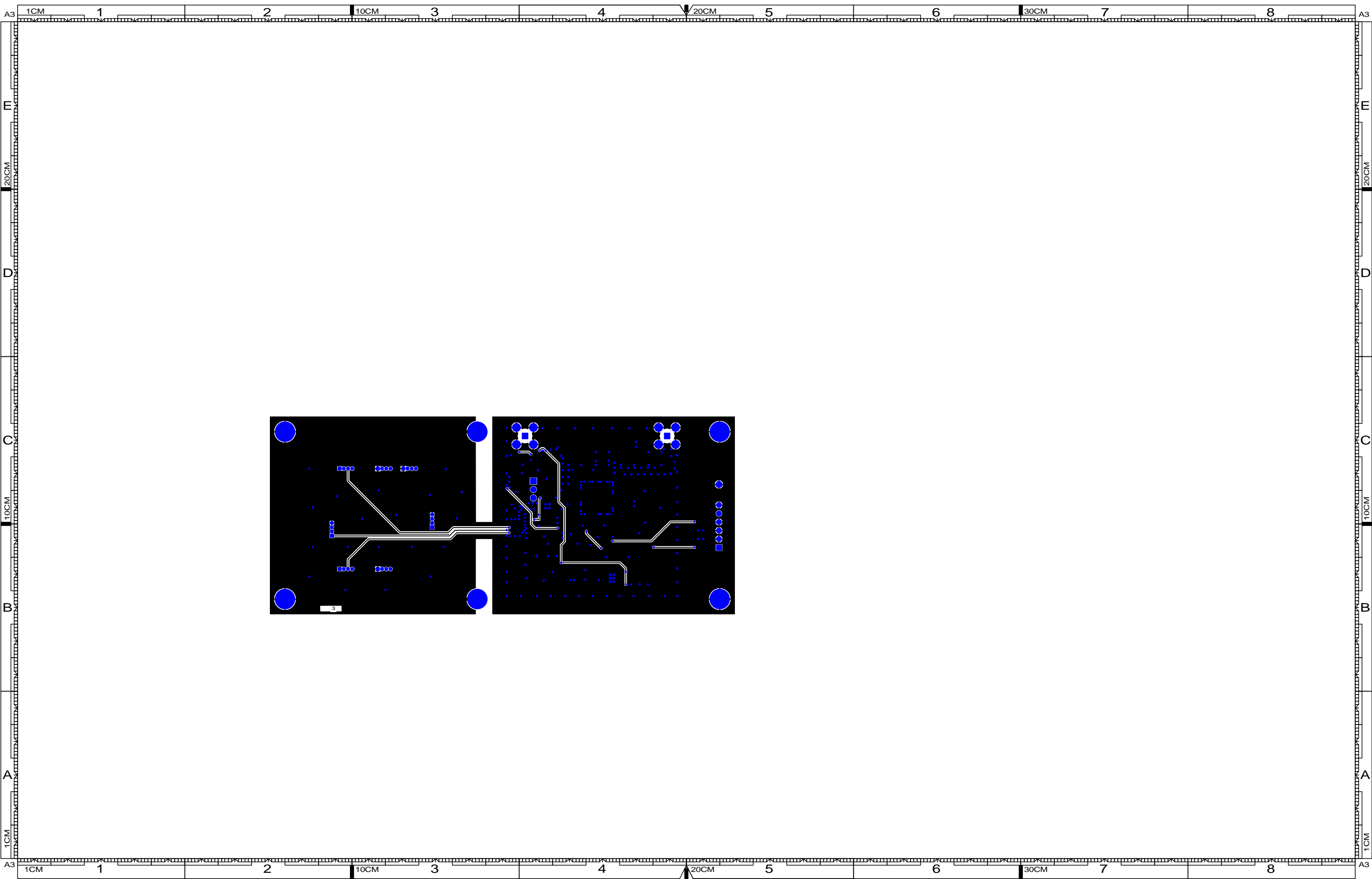


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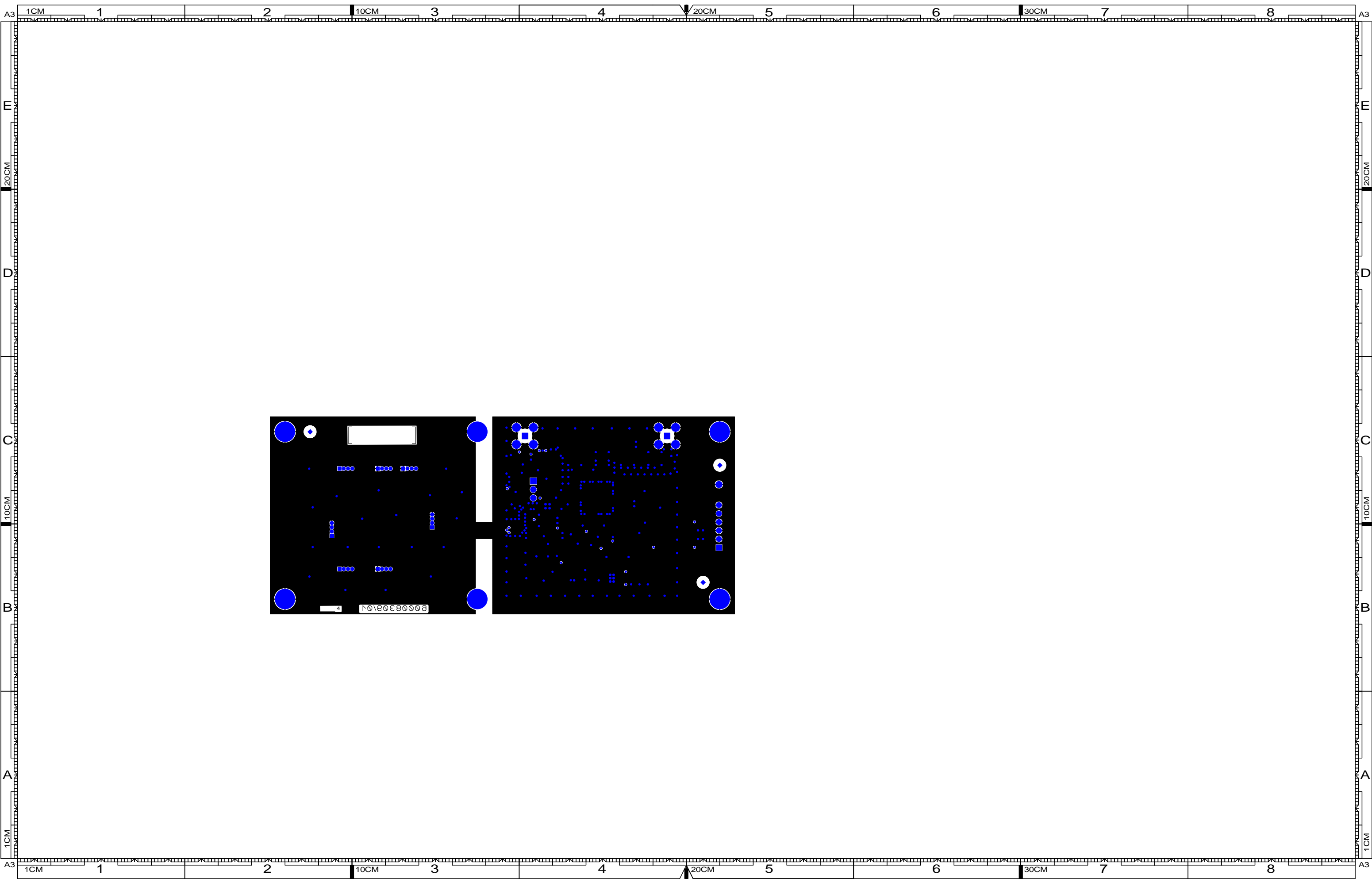


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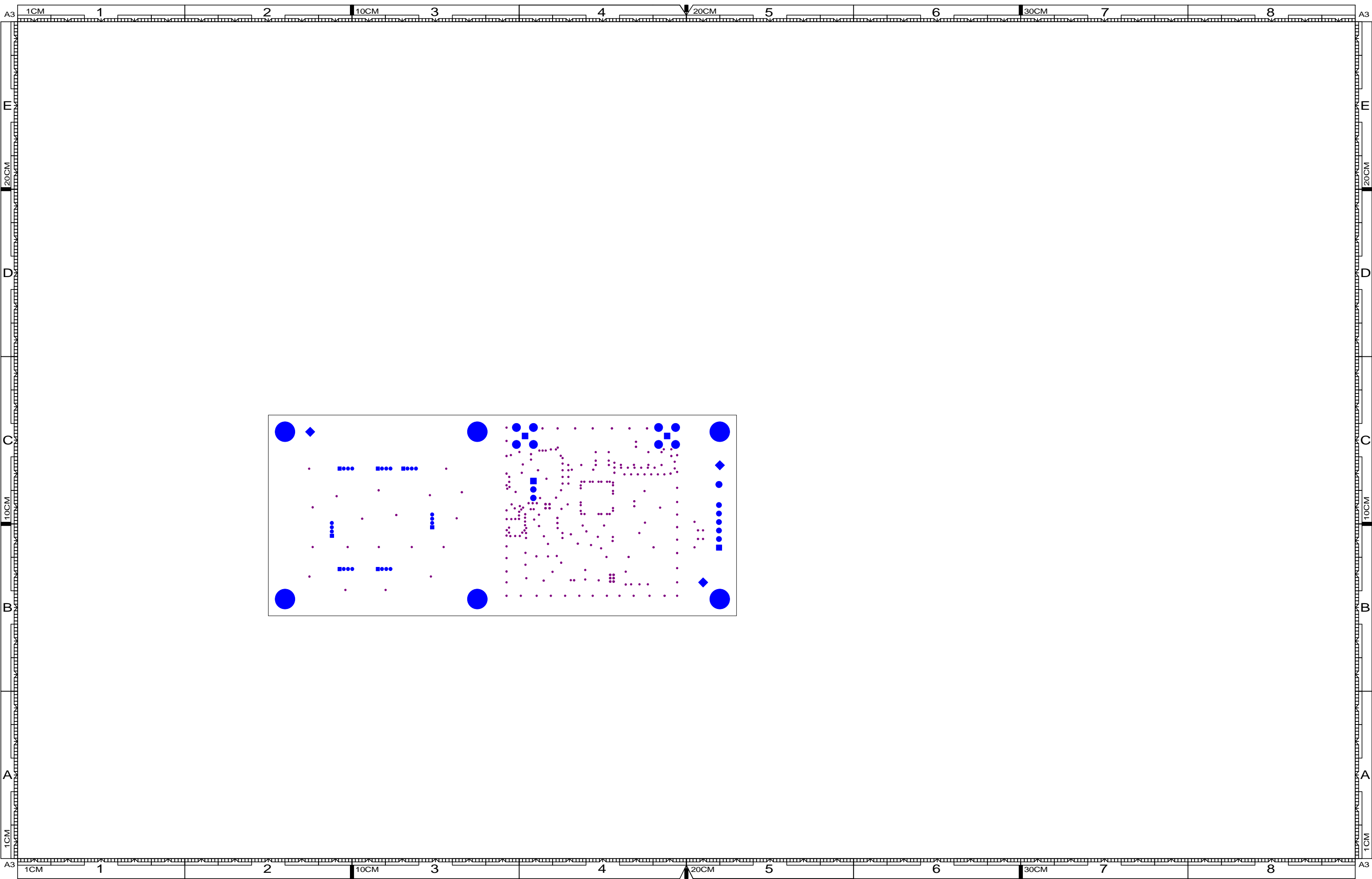
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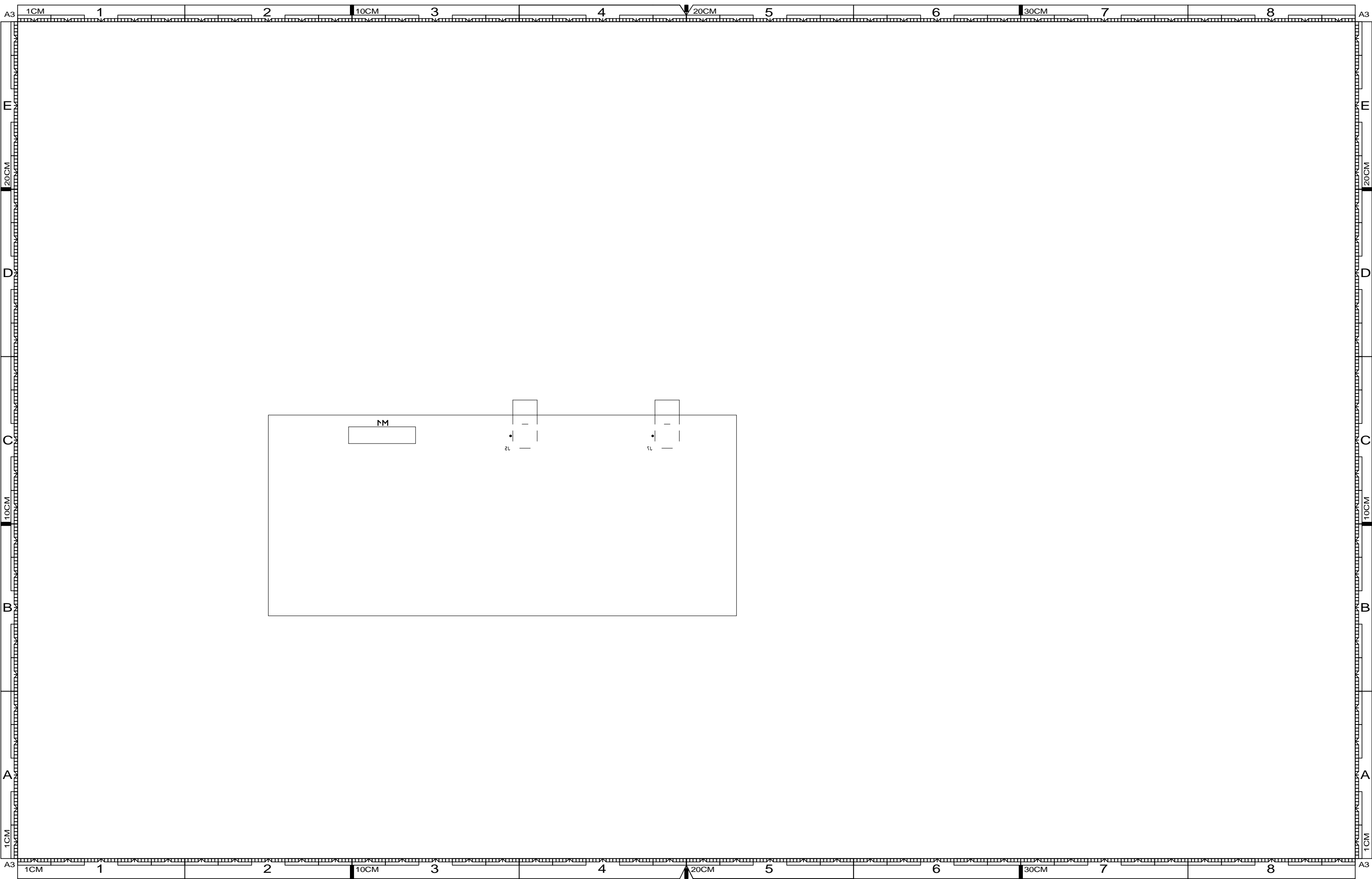
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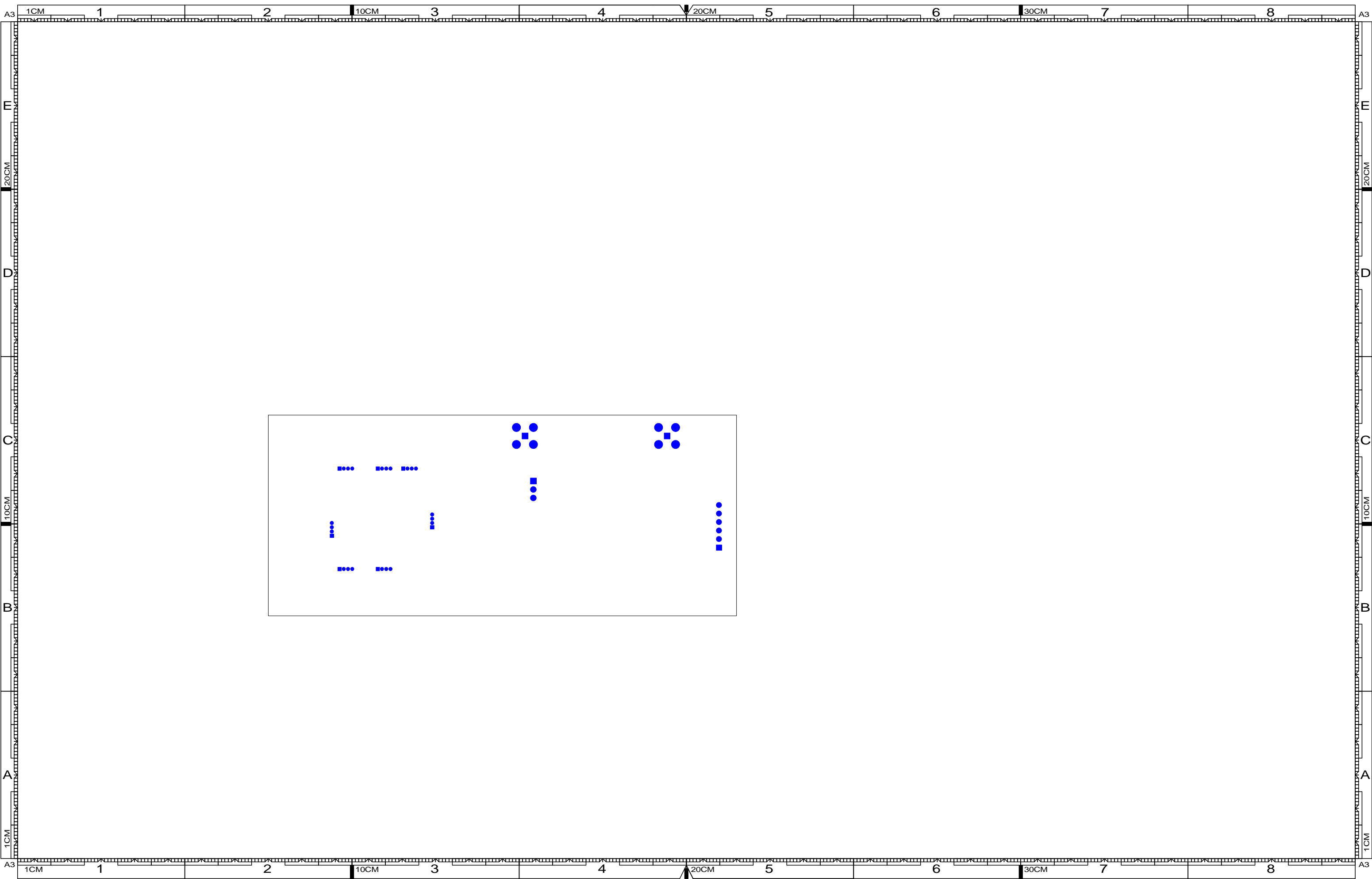


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