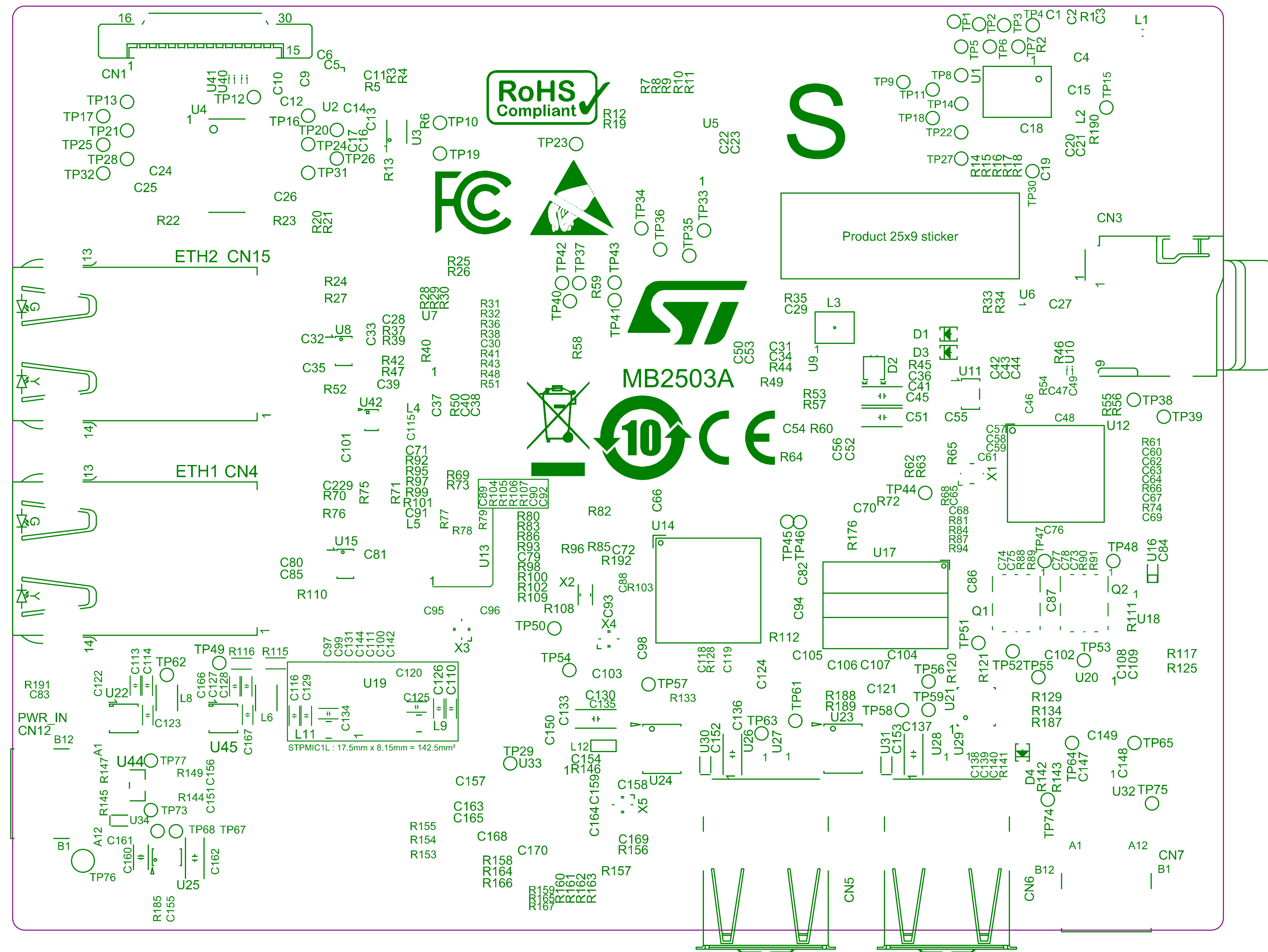
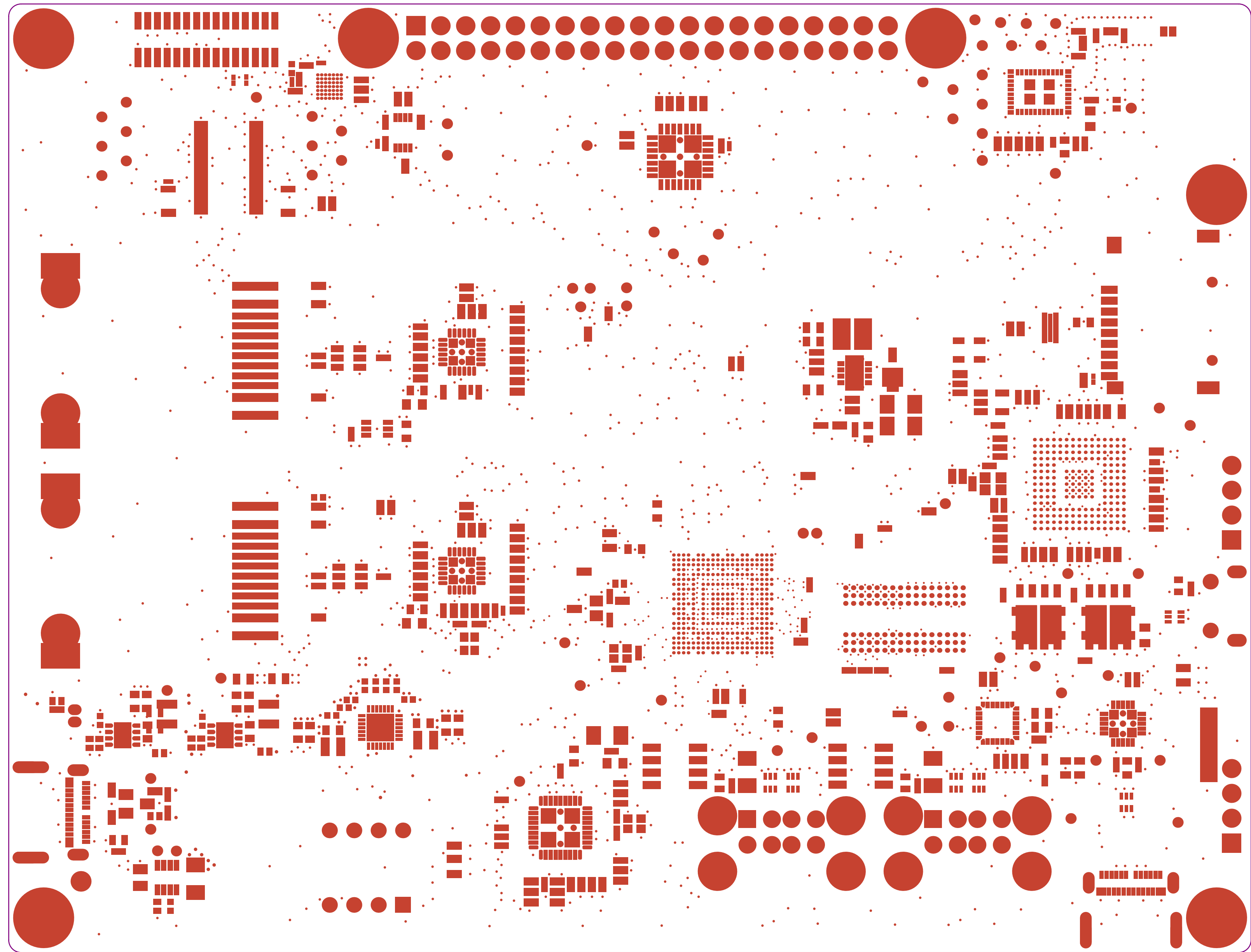
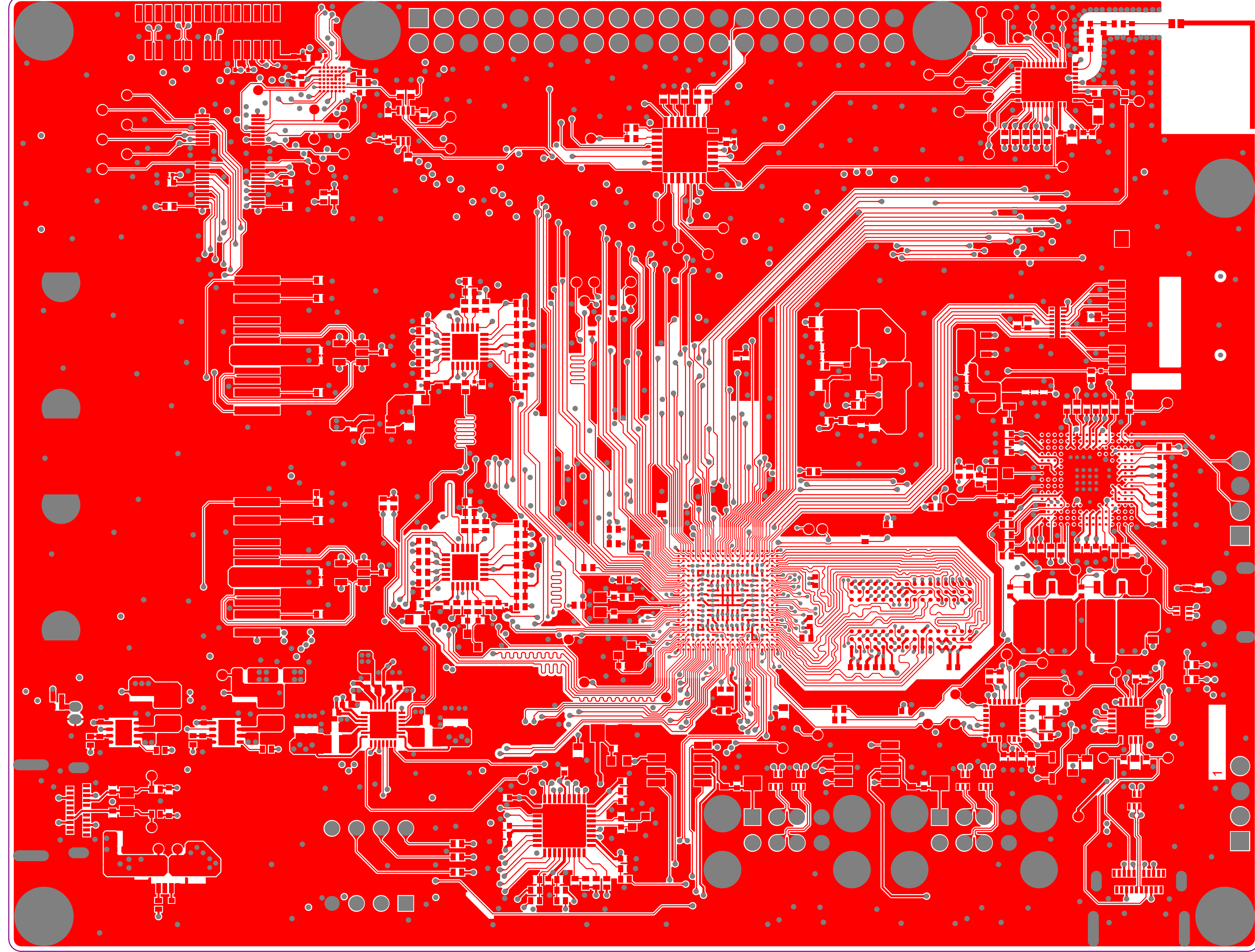
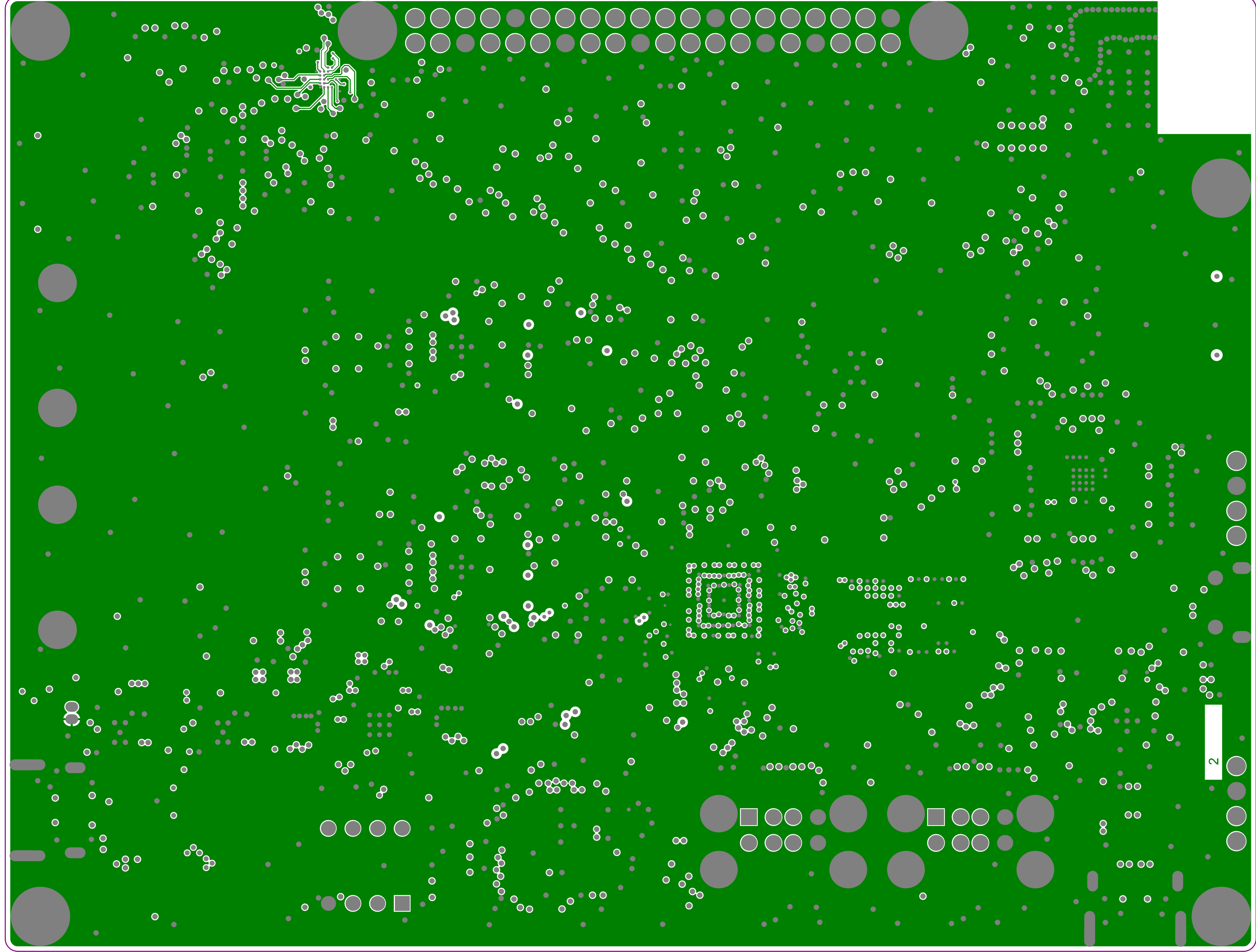
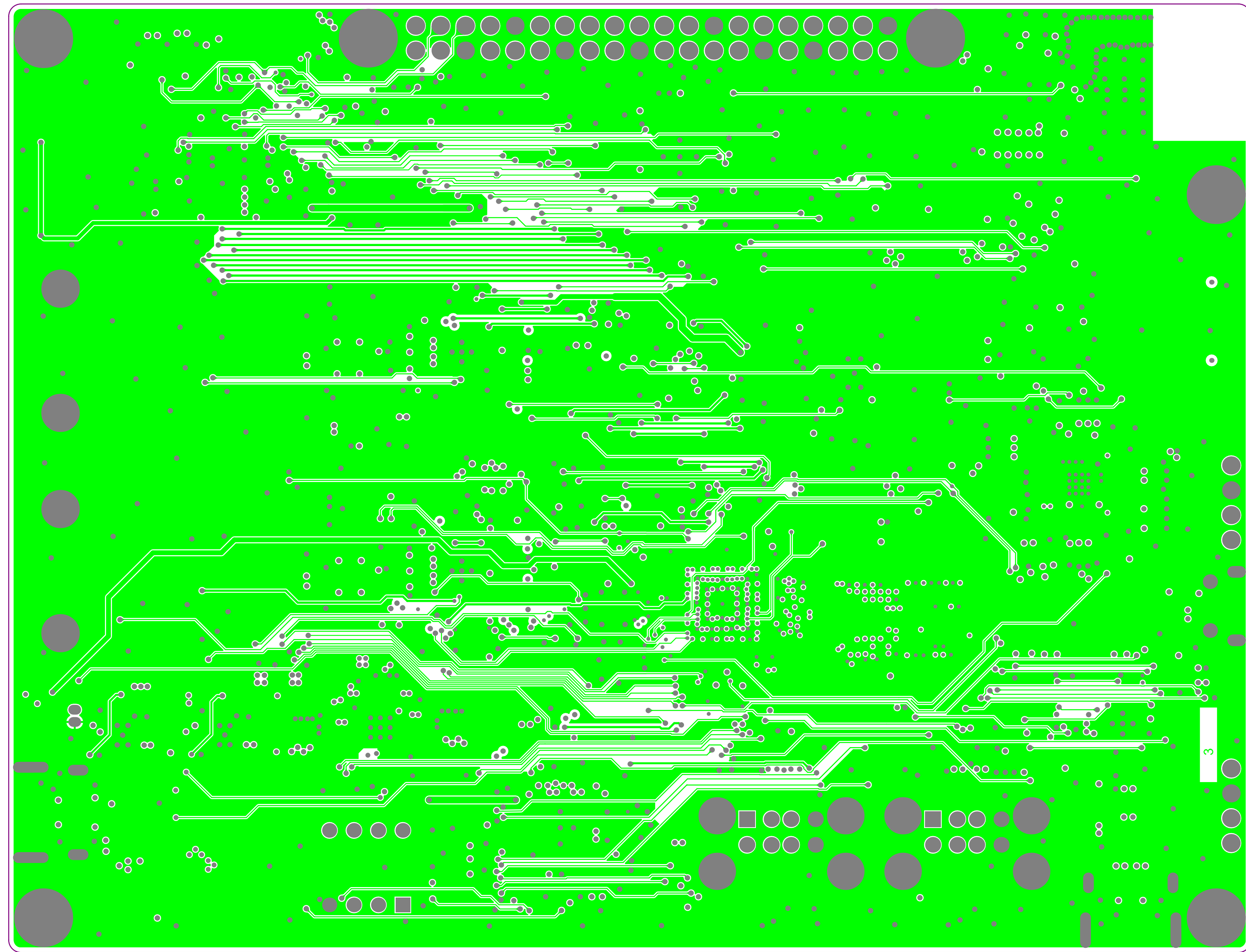


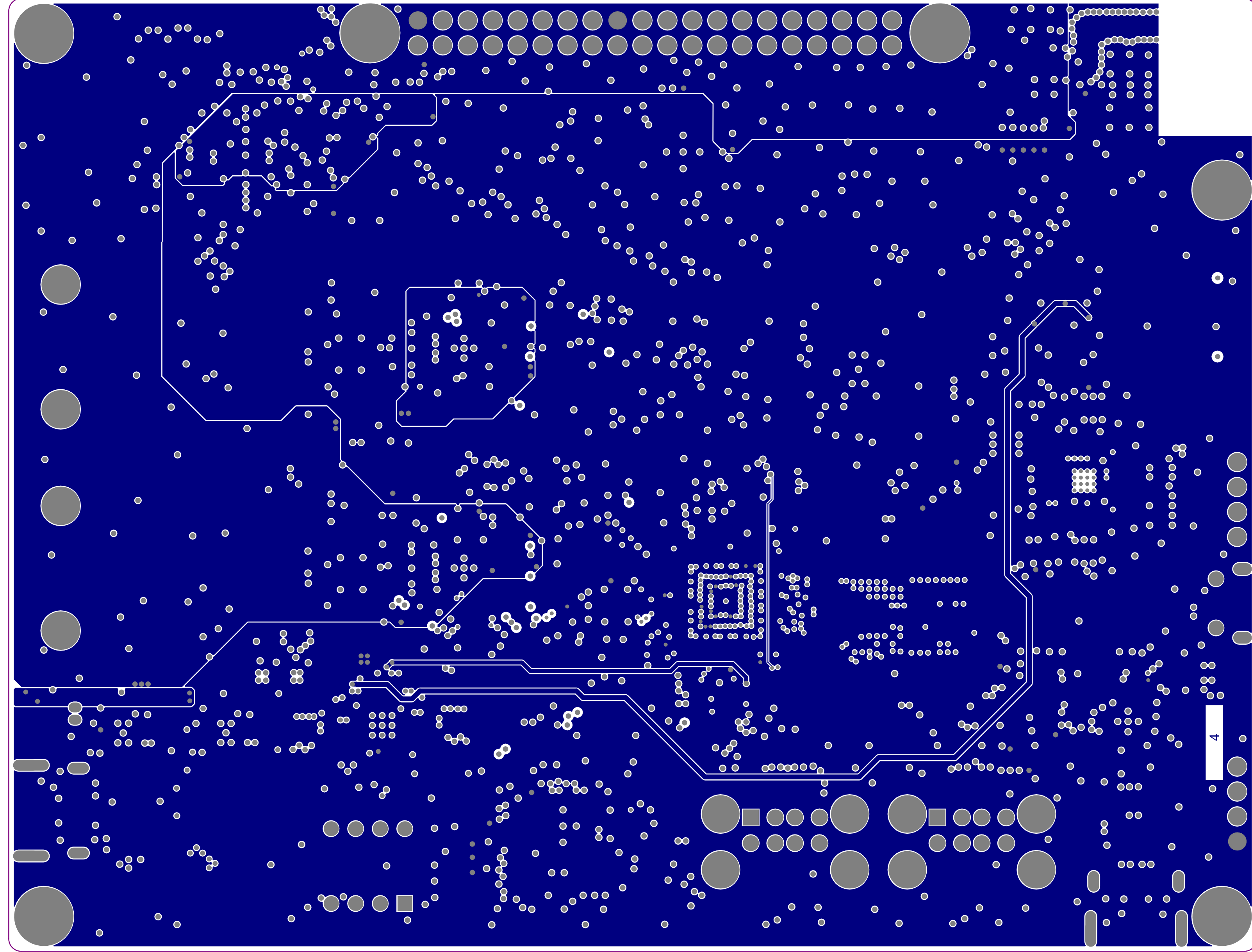


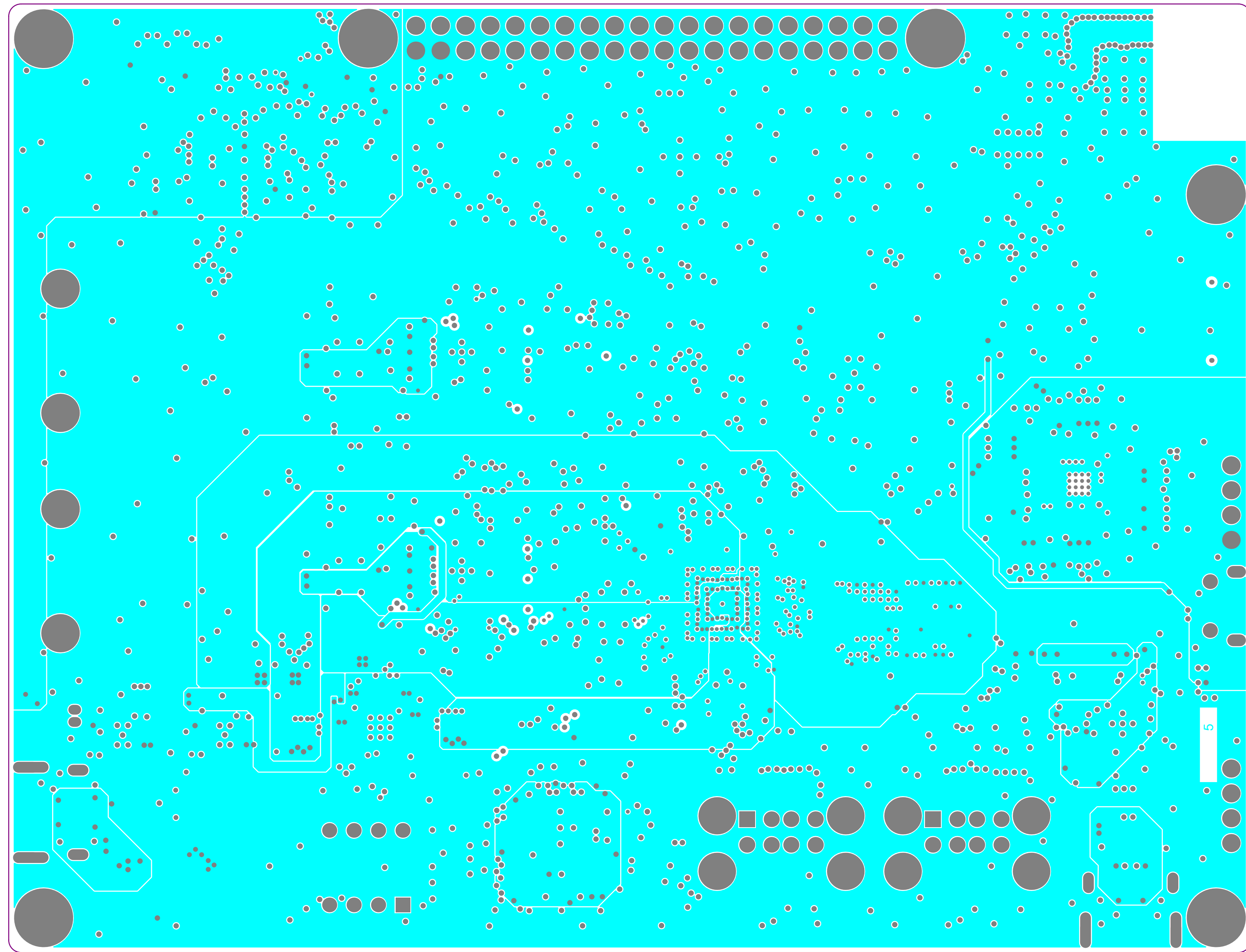


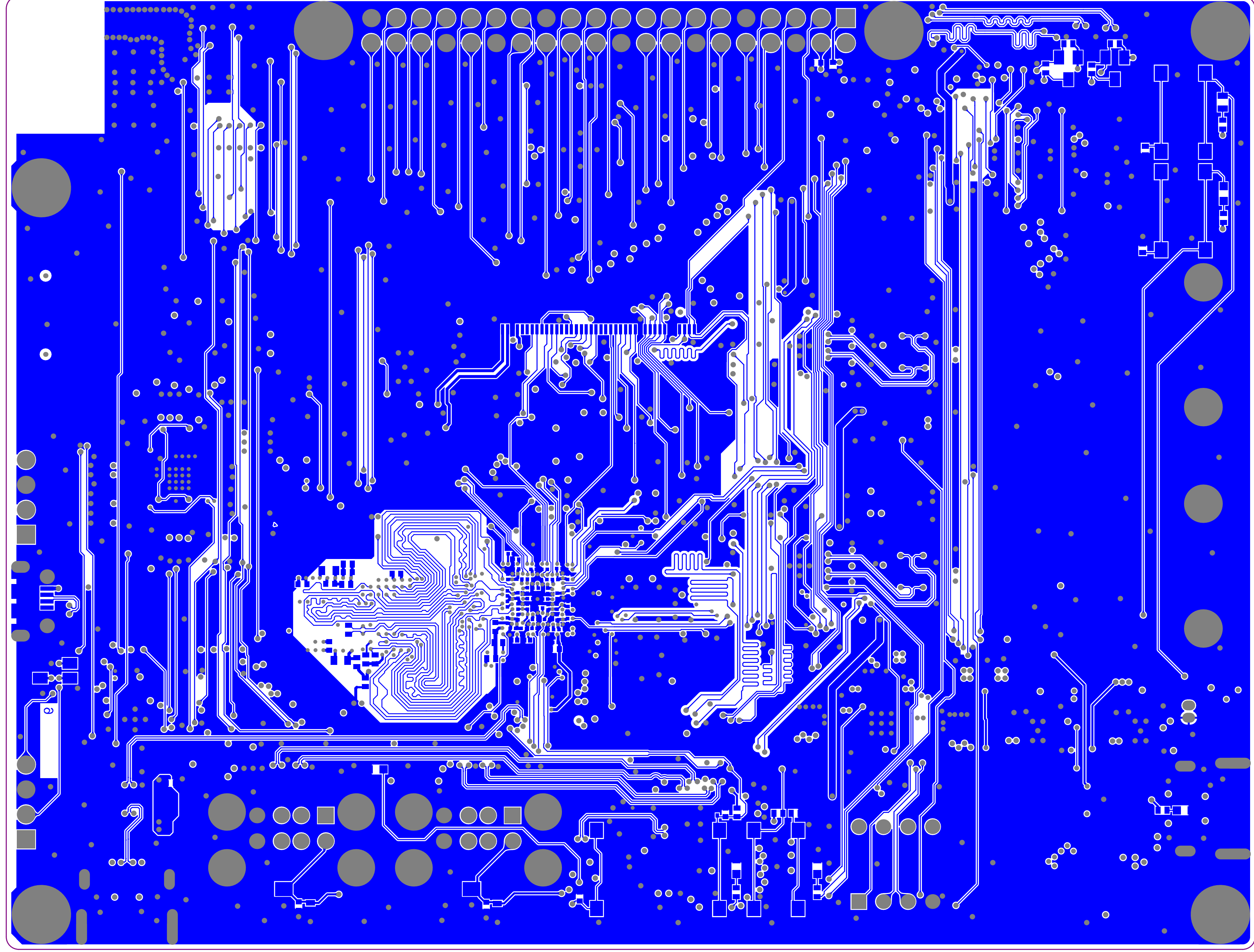


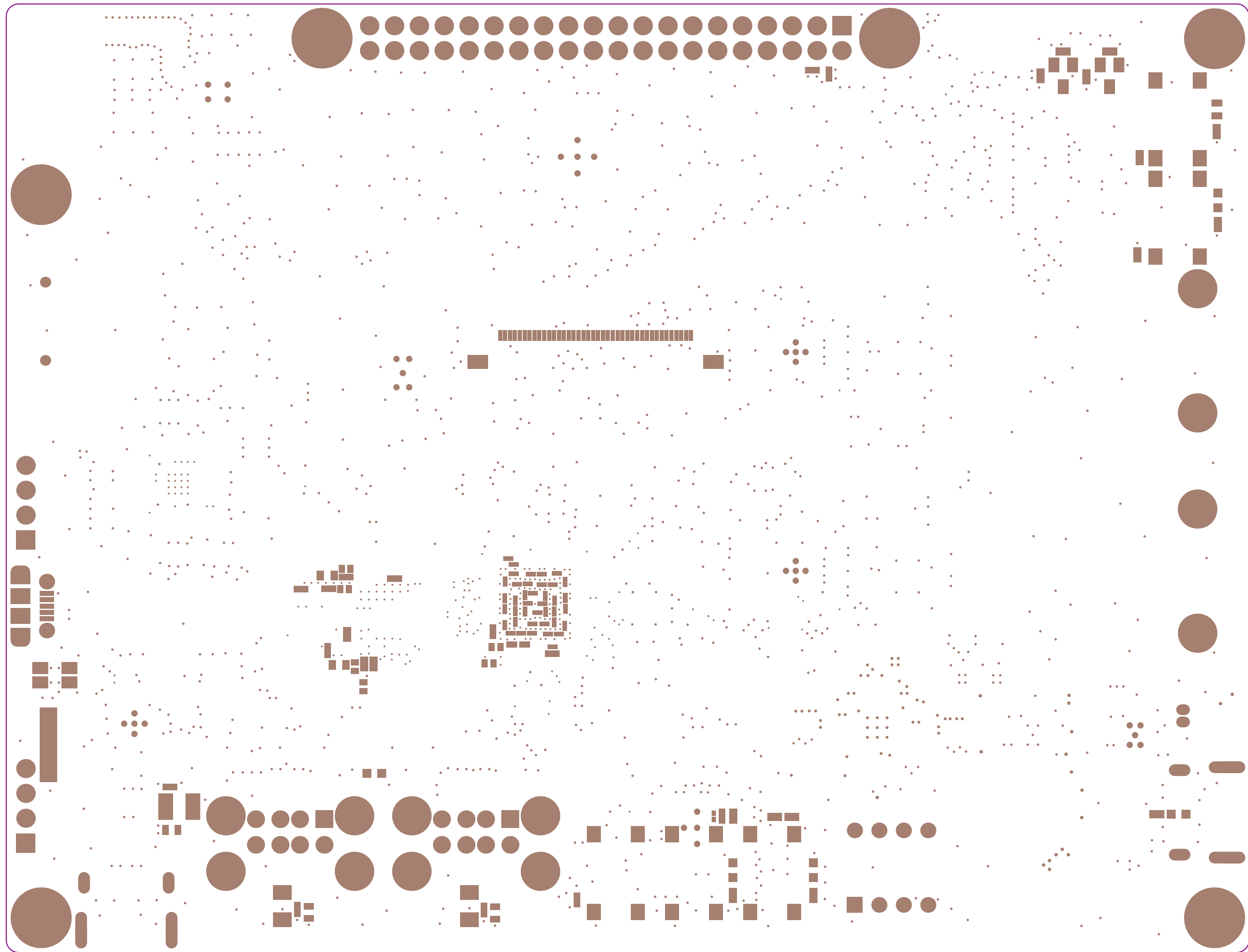


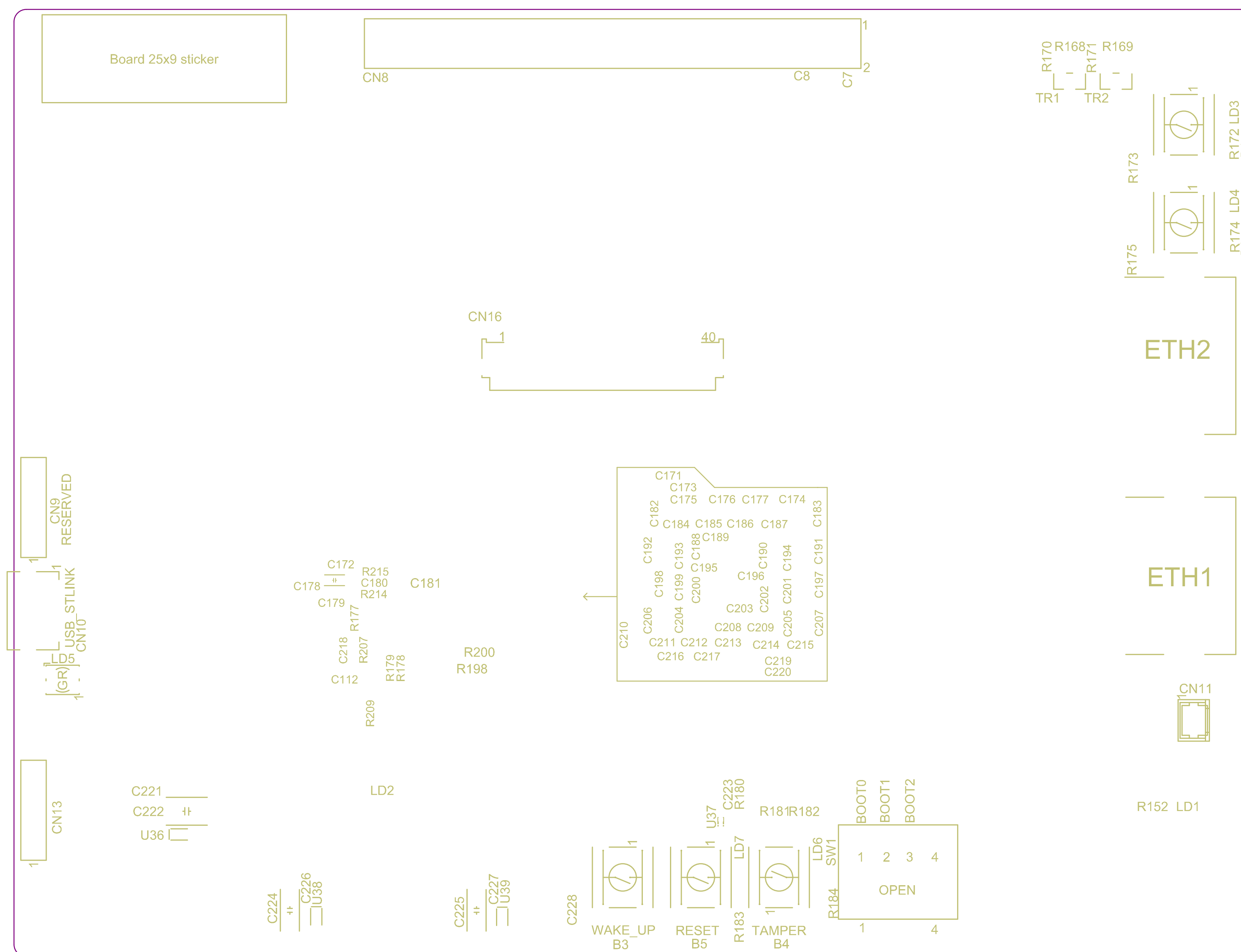












PCB SPECIFICATIONS :

A. MATERIAL :

B. MATERIAL FAMILY :

C. SOLDERMASK COLOR :

D. SILKSCREEN COLOR :

E. SURFACE FINISH :

F. IMPEDANCE CONTROL :

G. THROUGH VIA :

H. STACK-UP :

FR-4

N/A

☐ GREEN

☒ BLUE

☐ RED

☐ BLACK

☒ WHITE

☐ YELLOW

☐ BLACK

☒ ENIG

☐ IMMERSION SILVER

☐ IMMERSION TIN

☐ HASL

☐ HASL (PB-FREE)

☐ GOLDEN FINGER

☐ NO

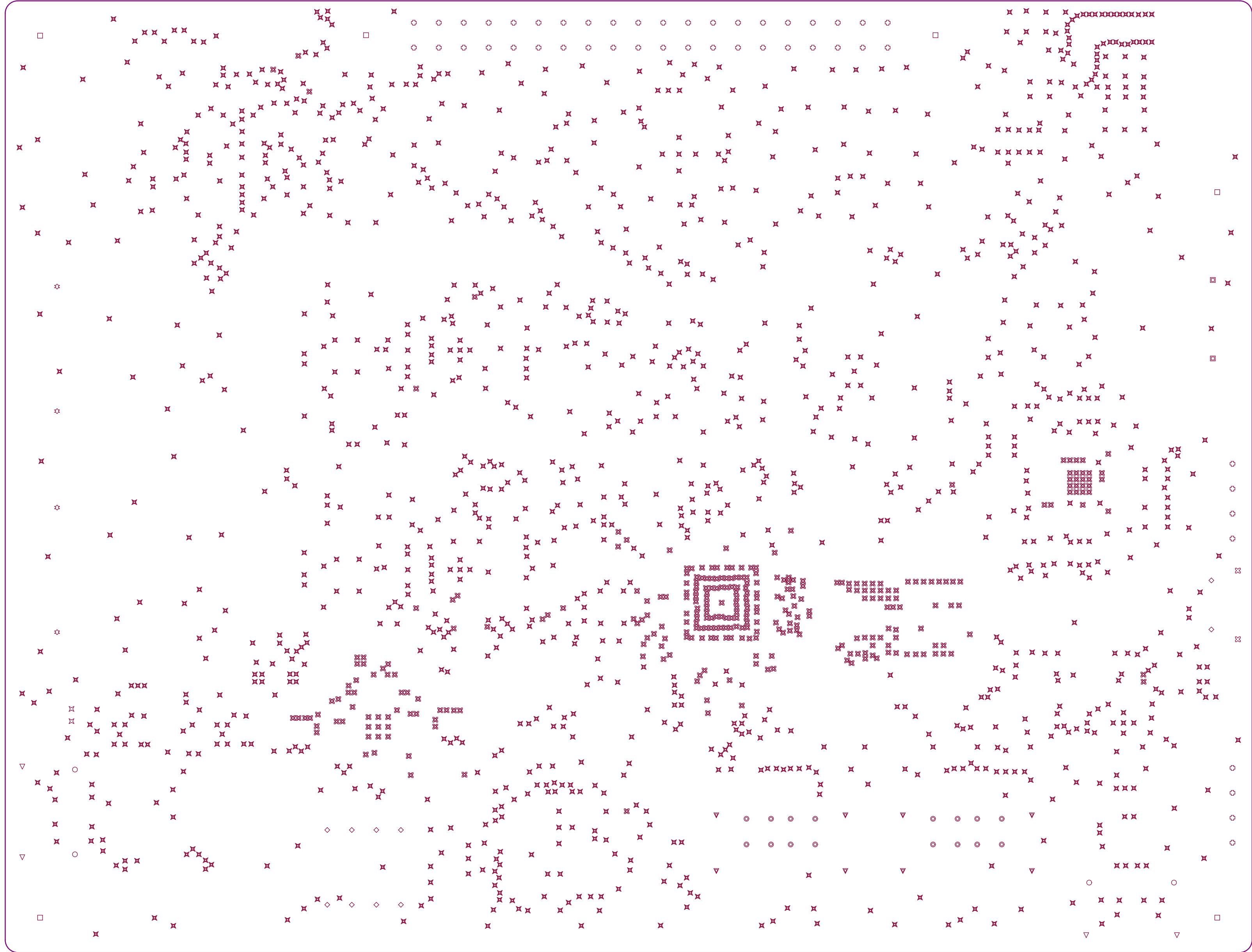
☒ YES (SEE IMPEDANCE TABLE FOR DETAIL INFORMATION)

PLUG THE VIAS WHICH ARE COVERED WITH SOLDERMASK ONE OR TWO SIDE.

PLUG MATERIAL : ☒ SOLDERMASK ☐ NON-CONDUCTIVE EPOXY.

SEE LAYER STACK-UP SEQUENCE FOR OVERALL THICKNESS.

MINIMUN PARAMETERS
DEFAULT TRACKS : 0.100mm GAPS : 0.100mm
UNDER MPU TRACKS : 0.090mm GAPS : 0.080mm
UNDER DDR TRACKS : 0.090mm GAPS : 0.080mm



Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0,025mm	3.5	
1	Top Layer		0,027mm		
	Dielectric 1		0,068mm	4	
2	Signal Layer 1		0,033mm		
	Dielectric 2		0,510mm	4	
3	Signal Layer 2		0,033mm		
	Dielectric 3		0,215mm	5	
4	Signal Layer 3		0,033mm		
	Dielectric 4		0,510mm	4	
5	Signal Layer 4		0,033mm		
	Dielectric5		0,068mm	4	
6	Bottom Layer		0,027mm		
	Bottom Solder	Solder Resist	0,025mm	3.5	
	Bottom Overlay				

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template	Hole Tolerance (+)	Hole Tolerance (-)
	29	0,100mm (3,94mil)	PTH	Round	Top Layer - Signal Layer 1	Via	Rounded	v26h10m0	0,050mm (1,97mil)	0,050mm (1,97mil)
	322	0,200mm (7,87mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	(Mixed)		
	1353	0,250mm (9,84mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	(Mixed)		
	2	0,500mm (19,69mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	(Mixed)		
	2	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r190_120h60_130r60m200_130		
	4	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r210_110h60_160r55m220_120		
	4	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r260_110h60_210r55m270_120		
	10	0,900mm (35,43mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)		
	16	0,920mm (36,22mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)		
	2	1,000mm (39,37mil)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c50hn100m110p0		
	48	1,000mm (39,37mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	(Mixed)		
	8	2,330mm (91,73mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c380h233		
	4	3,250mm (127,95mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c390h325m400		
	6	3,500mm (137,79mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c600h350		
	1810 Total									

Slot definitions : Routed Path Length = Calculated from tool start centre position to tool end centre position.
Hole Length = Routed Path Length + Tool Size = Slot length as defined in the PCB layout