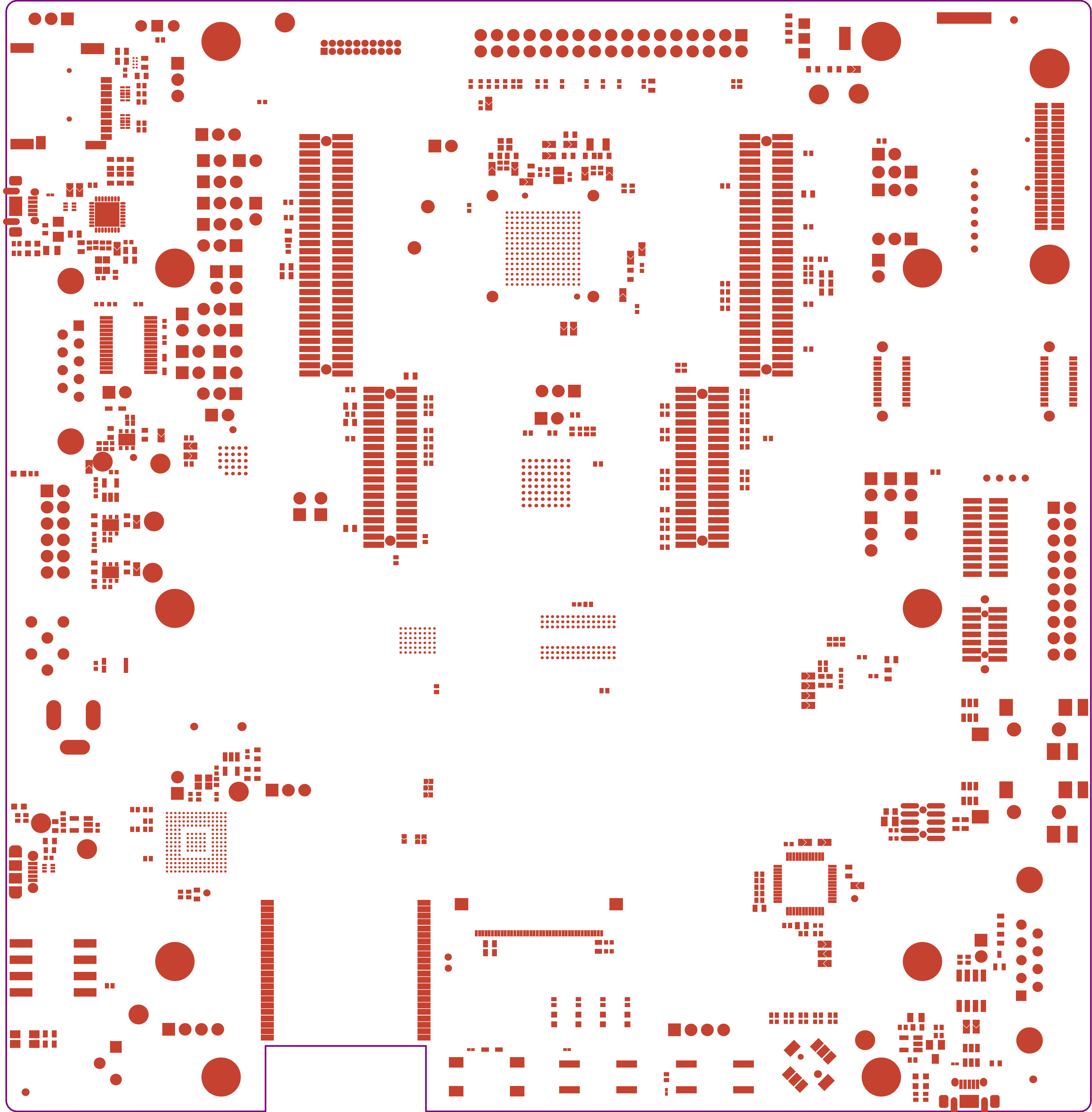
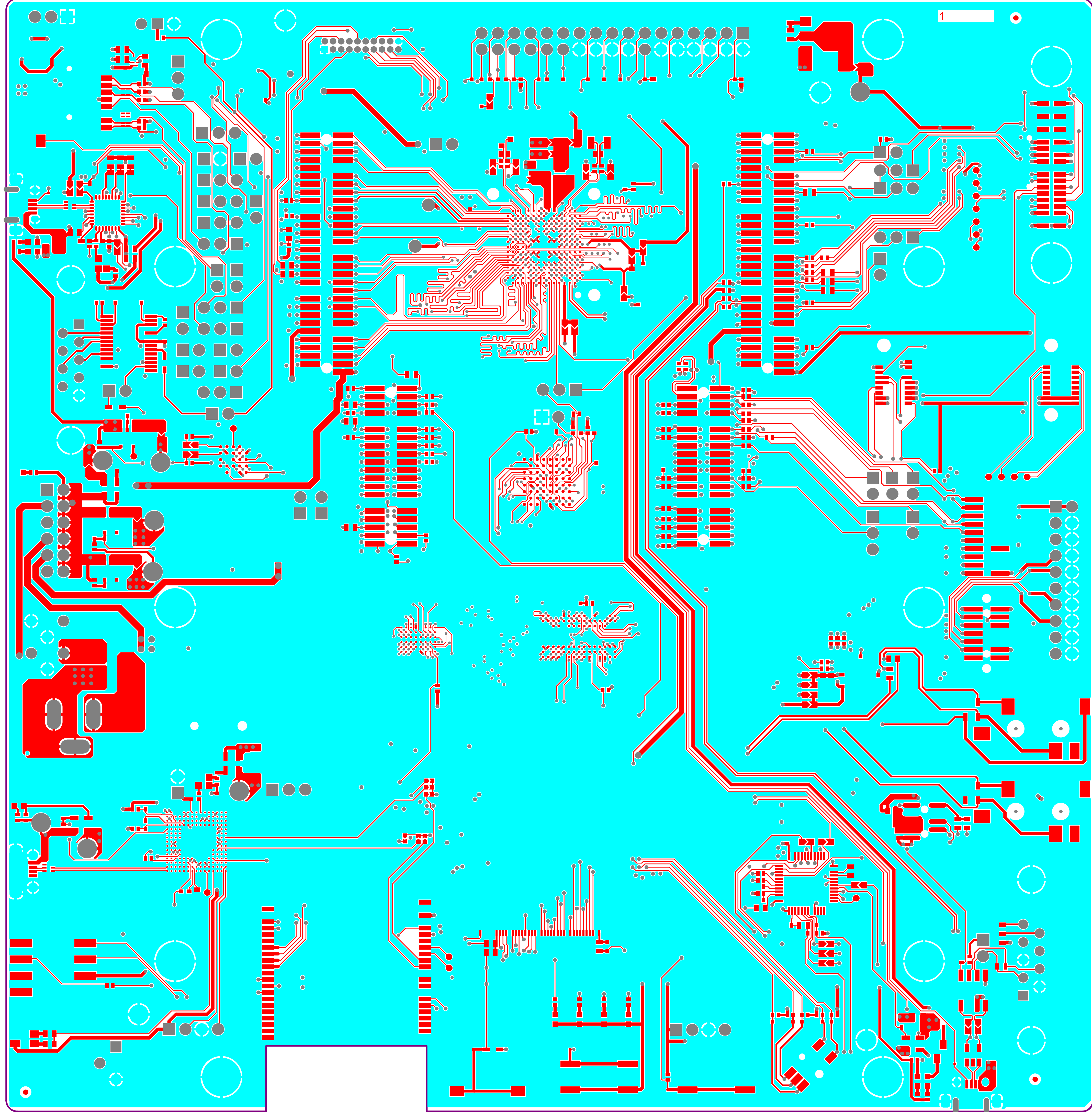


Top Overlay

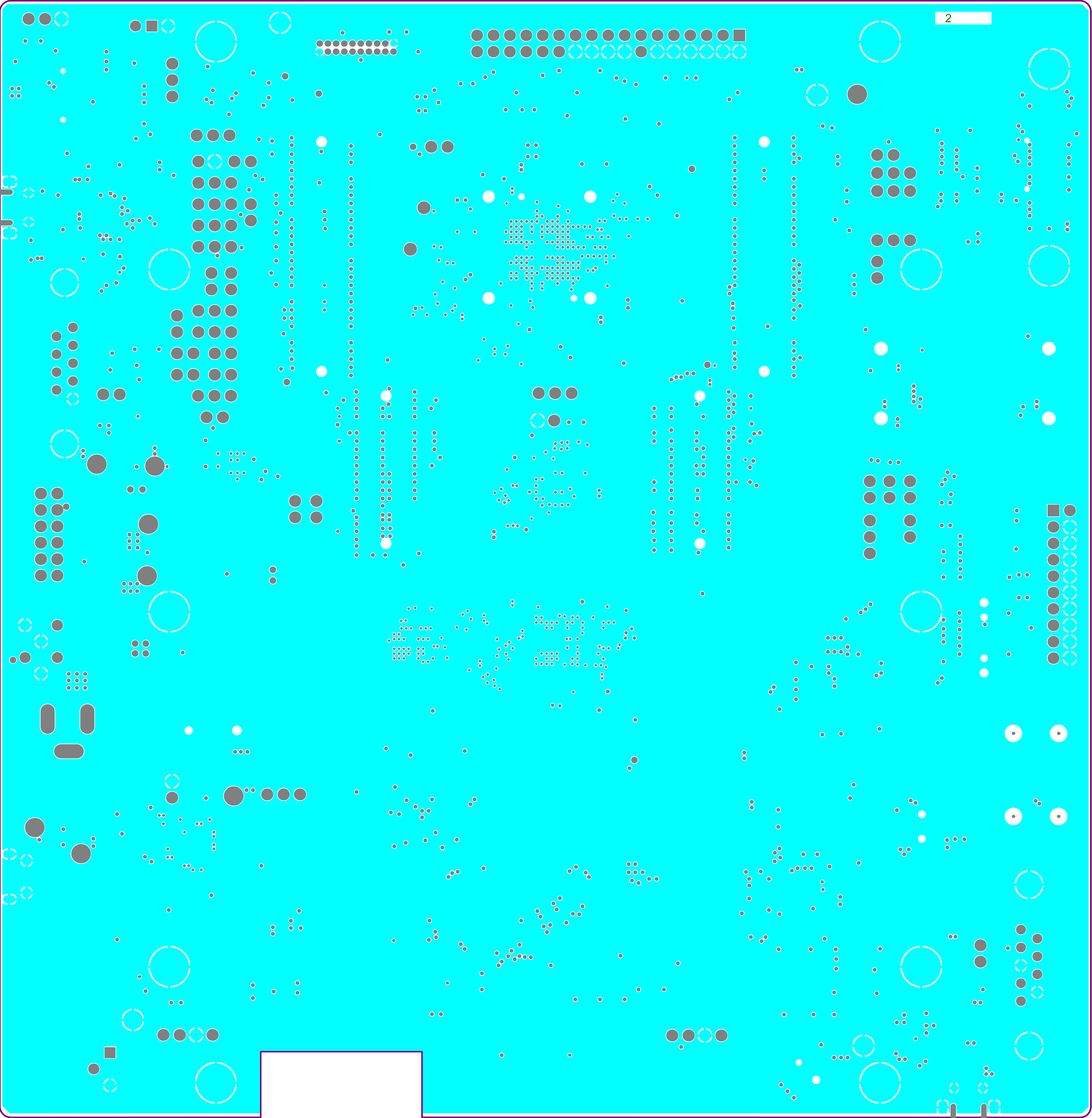
.GTO

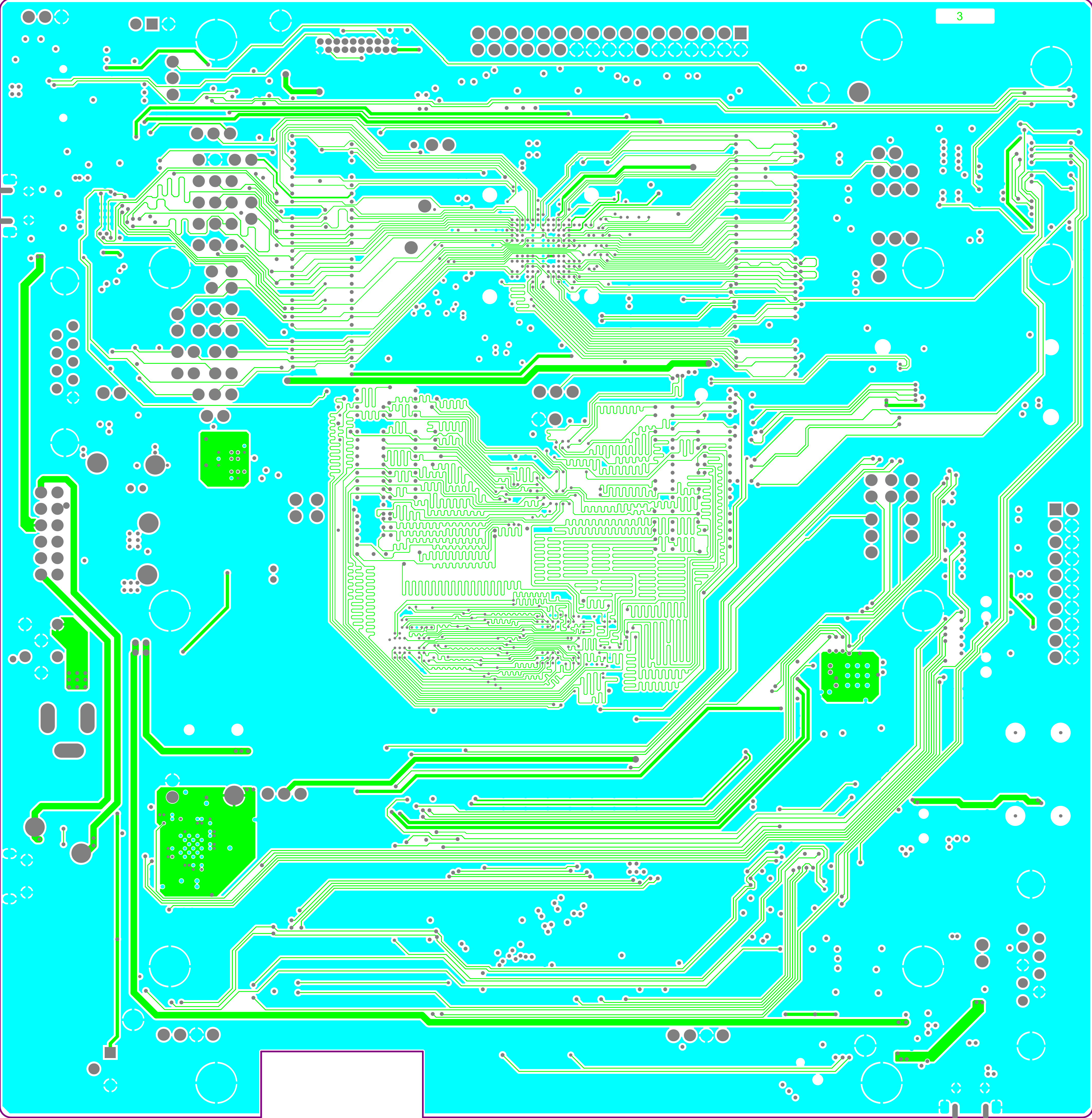


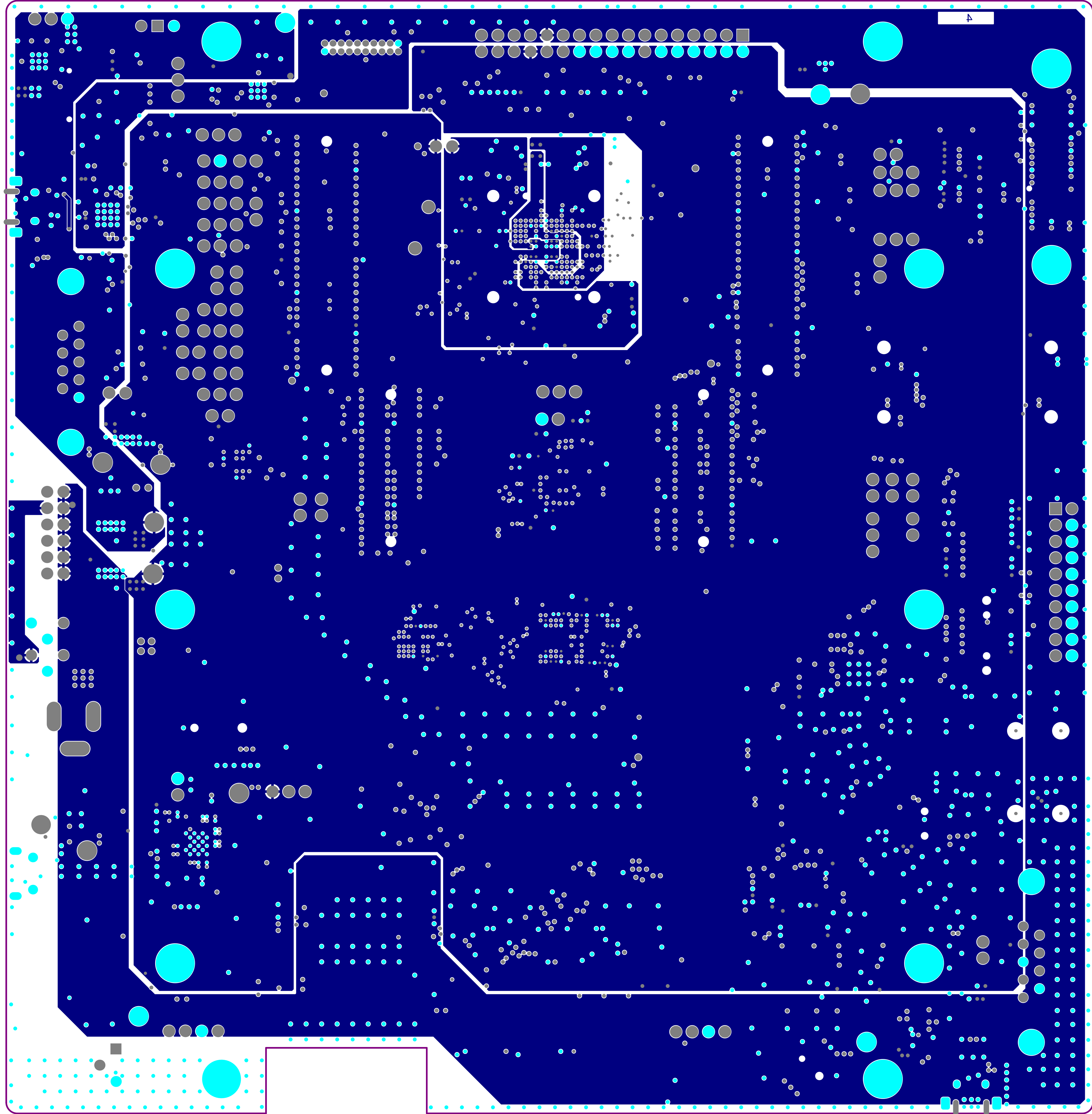


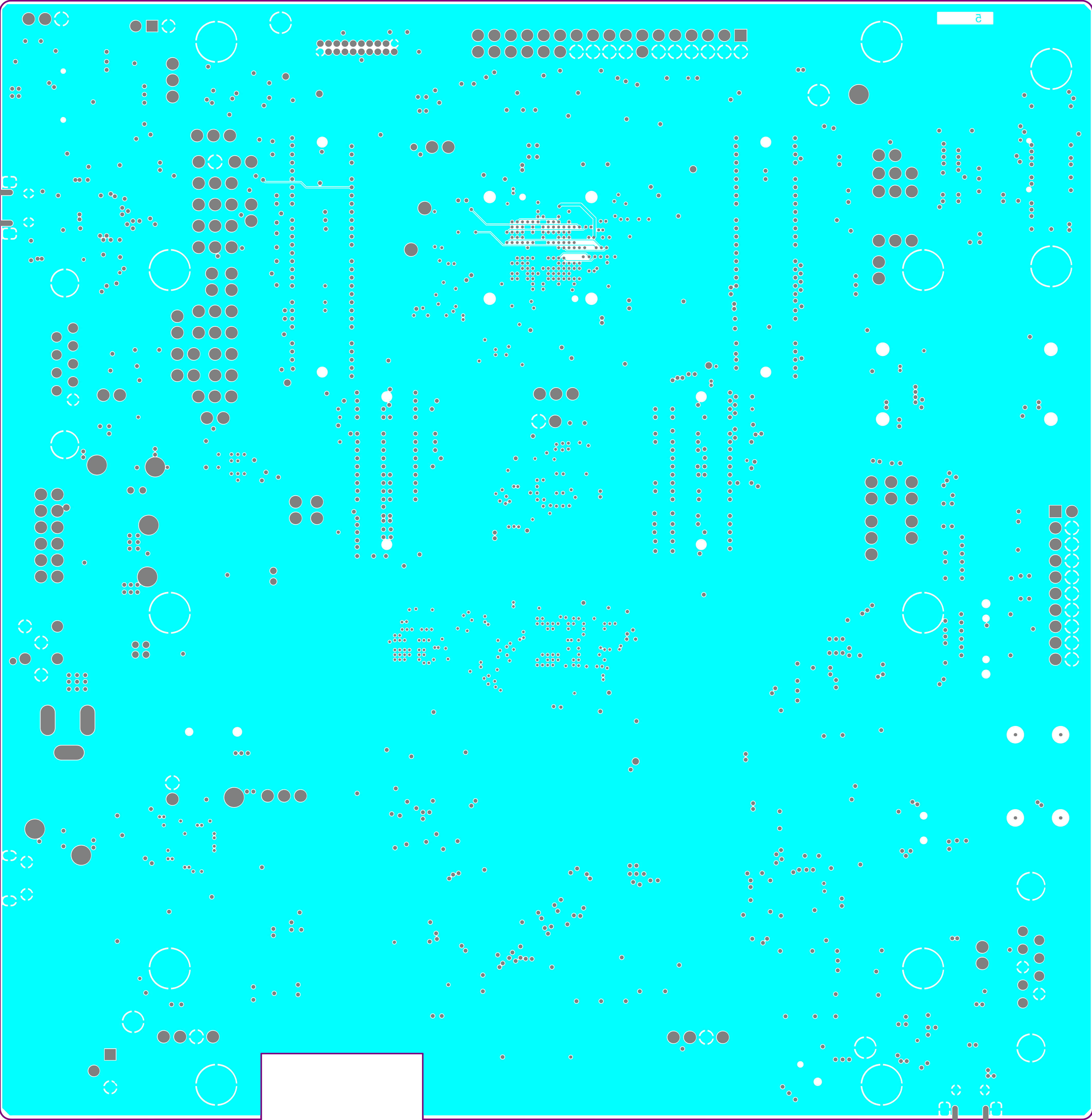
Top Layer

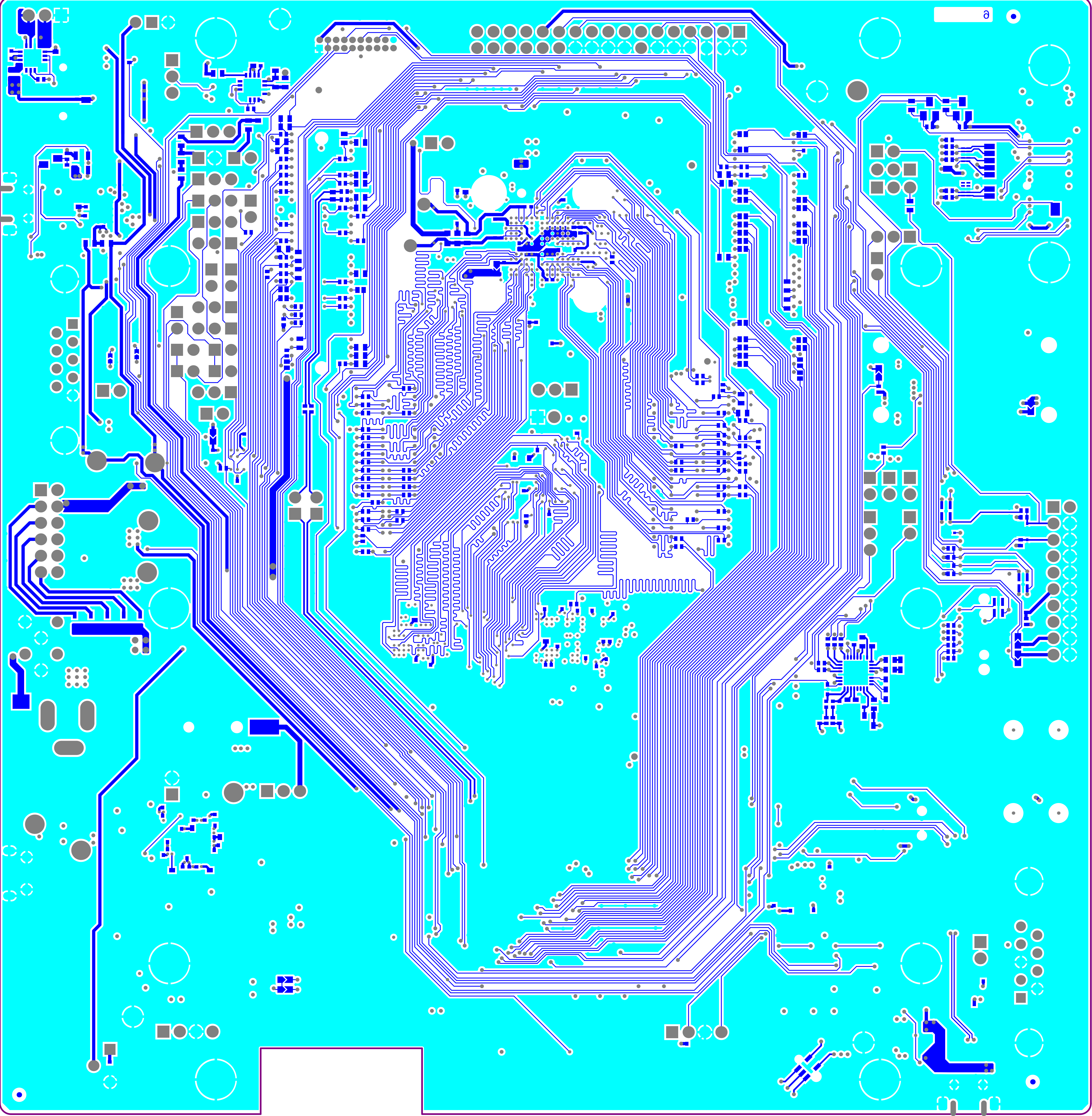
.GTL



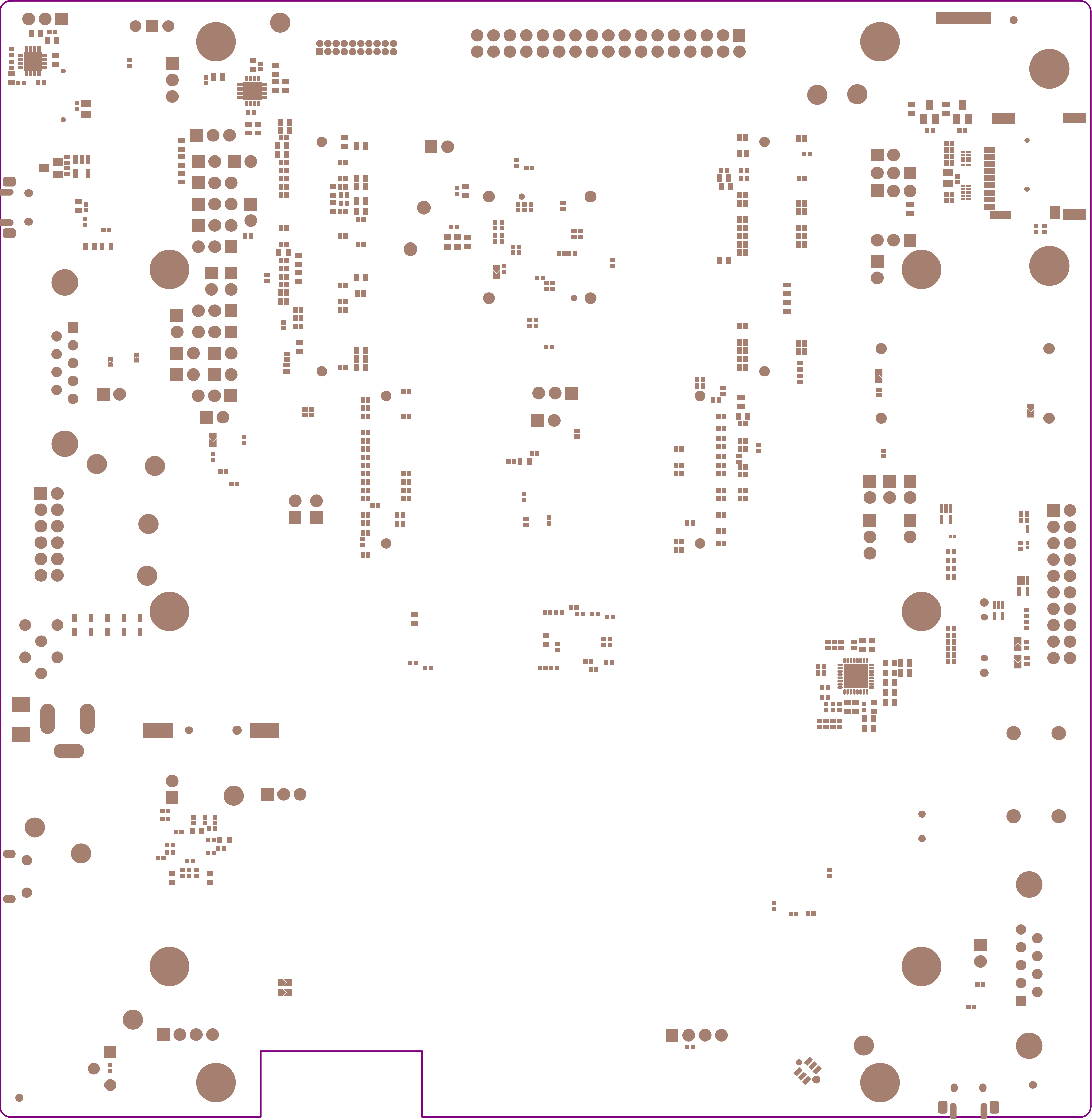








Bottom Layer
.GBL



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

☒ WHITE

☐ ENIG

☐ HASL

☐ NO

☐ TG-170

☒ TG-150

☐ TG-140

☒ BLUE

☐ YELLOW

☐ IMMERSION SILVER

☐ HASL (PB-FREE)

☒ YES (SEE IMPEDANCE TABLE FOR DETAIL INFORMATION)

☐ RED

☐ BLACK

☐ IMMERSION TIN

☐ GOLDEN FINGER

☐ NON-CONDUCTIVE EPOXY.

**Plating type :

lead Gold

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

PLUG MATERIAL :

SEE LAYER STACK-UP SEQUENCE FOR OVERALL THICKNESS.

PCB : TYPE 3

ASPECT-RATIO, AXE Z :

6:1 to 8:1
LEVEL "B"

MINIMUN PARAMETERS

DEFAULT

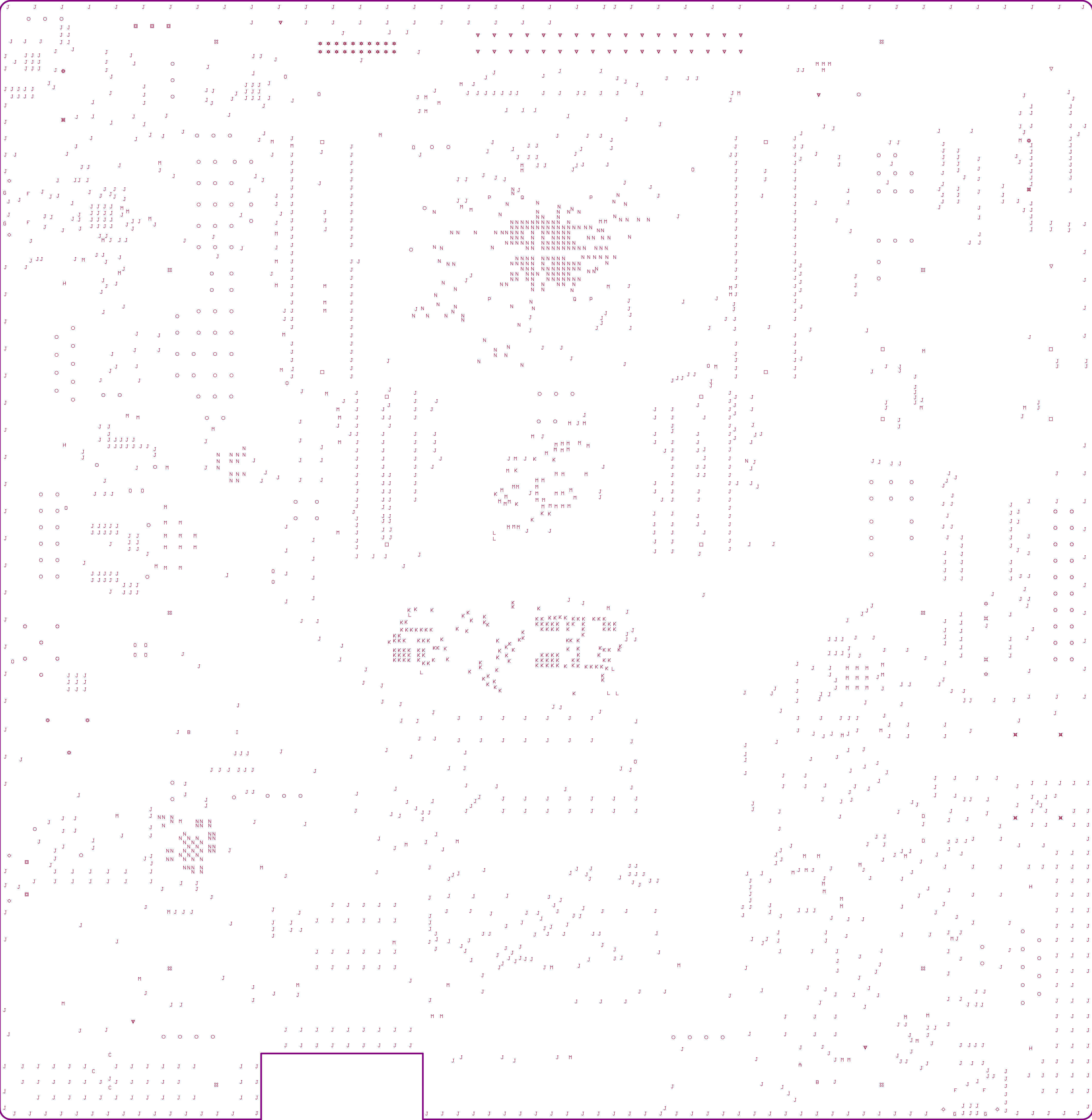
TRACKS : 0.100mm

GAPS : 0.100mm

Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0,020mm	3,5	
3	Top Layer	Copper	0,037mm		
4	Dielectric 1	IT-180A 3313H	0,099mm	4,2	
5	Signal Layer 1	Copper	0,035mm		
6	Dielectric 2	IT-180A	0,130mm	4,2	
7	Signal Layer 2	Copper	0,035mm		
8	Dielectric 3	IT-180A 1080*2	0,885mm	4,25	
9	Signal Layer 3	Copper	0,035mm		
10	Dielectric 4	IT-180A	0,130mm	4,2	
11	Signal Layer 4	Copper	0,035mm		
12	Dielectric 5	IT-180A 3313H	0,099mm	4,2	
13	Bottom Layer	Copper	0,037mm		
14	Bottom Solder	Solder Resist	0,020mm	3,5	
15	Bottom Overlay				

Symbol	Count	Hole Size	Plated	Drill Layer Pair	Via/Pad	Pad Shape	Hole Length	Routed Path Length
N	273	0,20mm (7,87mil)	PTH	Top Layer - Bottom Layer	Via	Rounded	-	-
K	160	0,20mm (8,00mil)	PTH	Top Layer - Bottom Layer	Via	Rounded	-	-
M	150	0,25mm (9,84mil)	PTH	Top Layer - Bottom Layer	Via	Rounded	-	-
J	1763	0,25mm (10,00mil)	PTH	Top Layer - Bottom Layer	Via	Rounded	-	-
L	7	0,30mm (12,00mil)	PTH	Top Layer - Bottom Layer	Via	Rounded	-	-
O	17	0,51mm (20,00mil)	PTH	Top Layer - Bottom Layer	Via	Rounded	-	-
◇	6	0,60mm (23,62mil)	PTH	Top Layer - Bottom Layer	Pad	(Mixed)	1,30mm (51,18mil)	0,70mm (27,56mil)
F	4	0,65mm (25,59mil)	PTH	Top Layer - Bottom Layer	Pad	Rounded	0,85mm (33,47mil)	0,20mm (7,88mil)
⊕	2	0,65mm (25,59mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
⊗	2	0,70mm (27,56mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
☆	20	0,70mm (27,56mil)	PTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
A	1	0,80mm (31,50mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
C	3	0,80mm (31,50mil)	PTH	Top Layer - Bottom Layer	Pad	(Mixed)	-	-
Q	2	0,85mm (33,47mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
G	4	0,85mm (33,47mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	2,42mm (95,47mil)	1,57mm (62,01mil)
▣	5	0,90mm (35,43mil)	PTH	Top Layer - Bottom Layer	Pad	(Mixed)	-	-
✕	2	0,97mm (38,19mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
D	2	1,00mm (39,37mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
○	144	1,00mm (39,37mil)	PTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
◎	3	1,00mm (39,37mil)	PTH	Top Layer - Bottom Layer	Pad	Rounded	3,50mm (137,80mil)	2,50mm (98,43mil)
B	2	1,10mm (43,31mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
▼	38	1,10mm (43,31mil)	PTH	Top Layer - Bottom Layer	Pad	(Mixed)	-	-
☆	2	1,19mm (46,85mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
⊕	26	1,20mm (47,24mil)	PTH	Top Layer - Bottom Layer	Pad	(Mixed)	-	-
I	1	1,30mm (51,18mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
□	12	1,50mm (59,06mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
P	4	1,71mm (67,32mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
✕	4	2,00mm (78,74mil)	NPTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
▼	2	3,20mm (125,98mil)	PTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
H	4	3,30mm (129,92mil)	PTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
⊗	10	3,50mm (137,80mil)	PTH	Top Layer - Bottom Layer	Pad	Rounded	-	-
	2675 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



Drill Drawing

.DRL