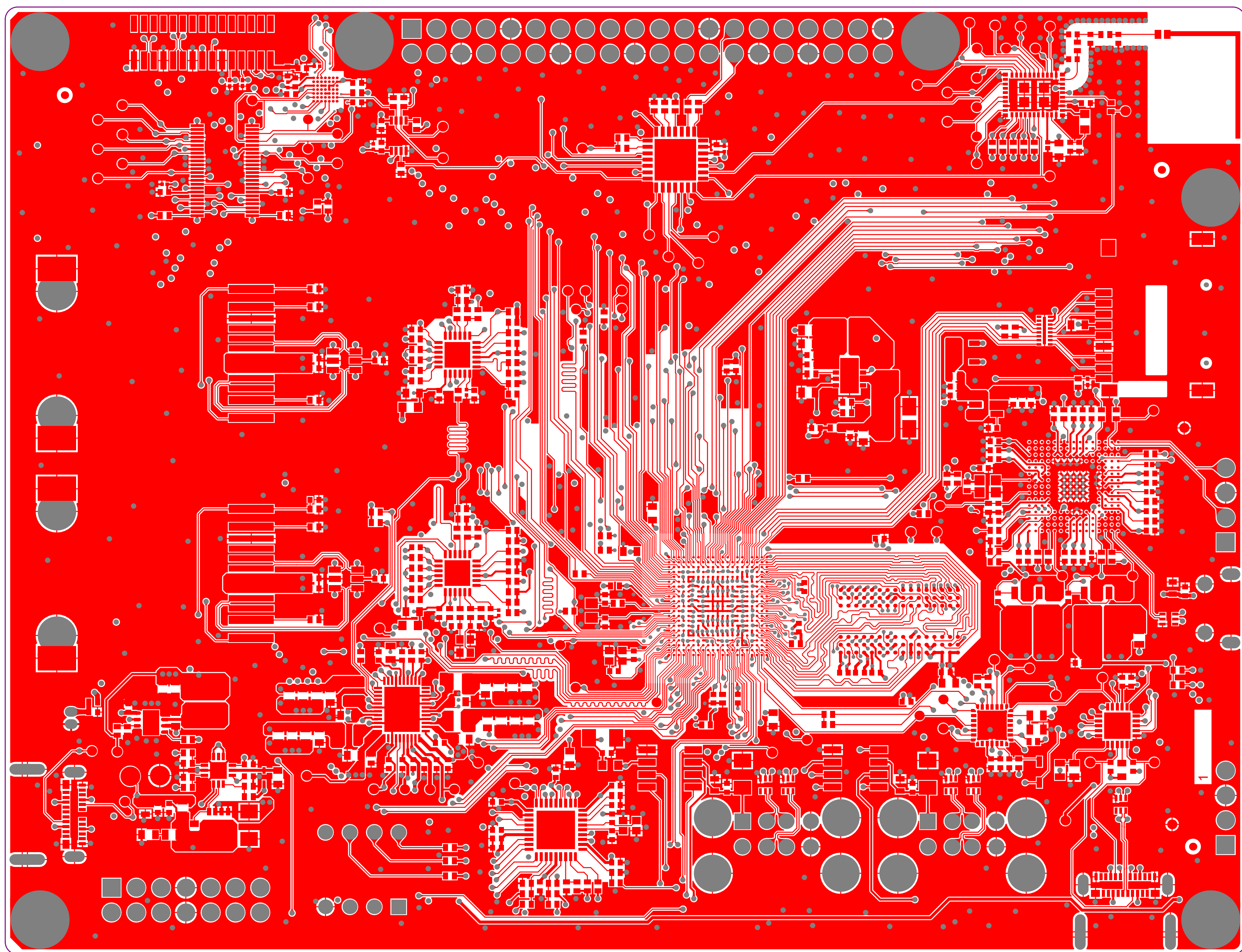


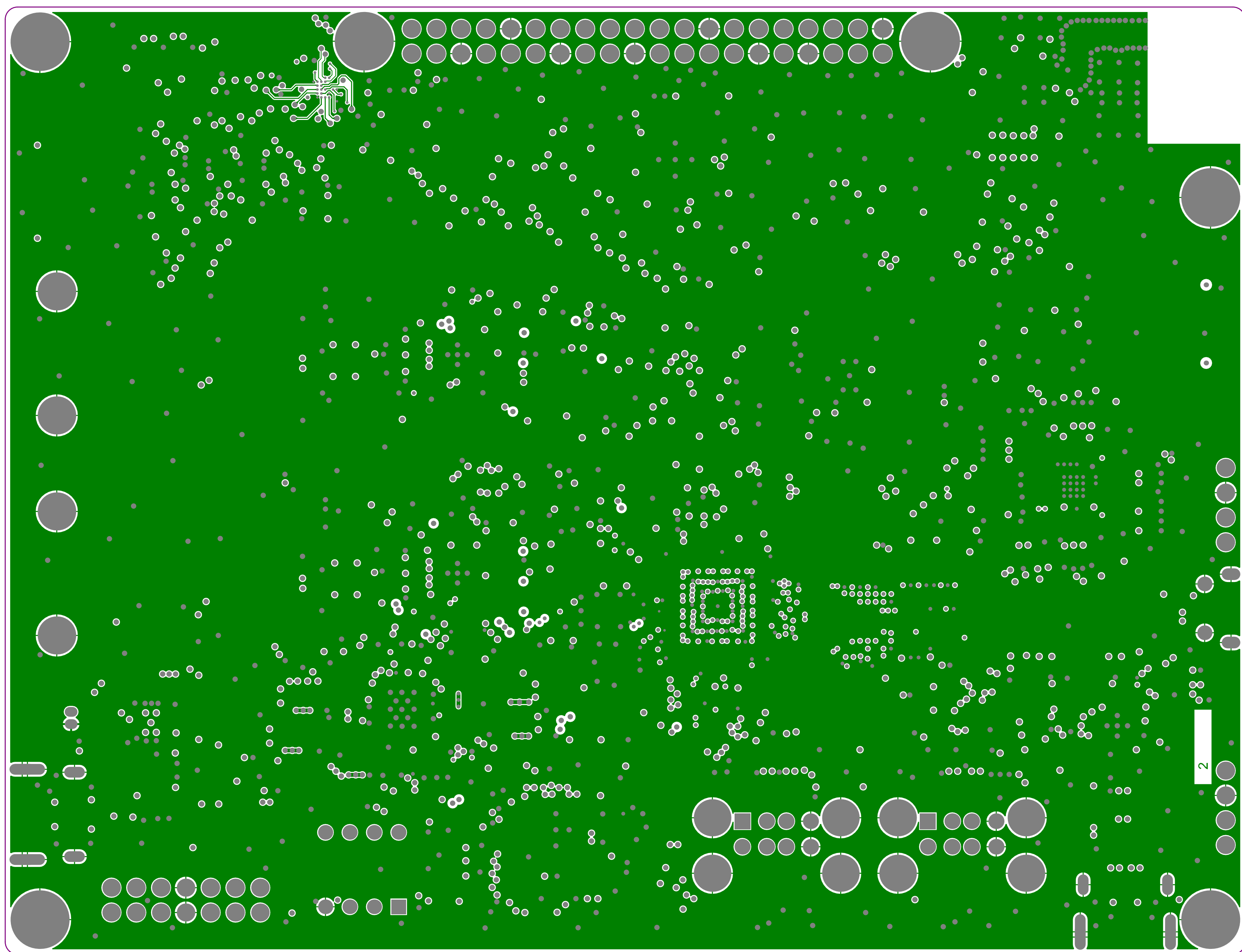
Top Solder

.GTS



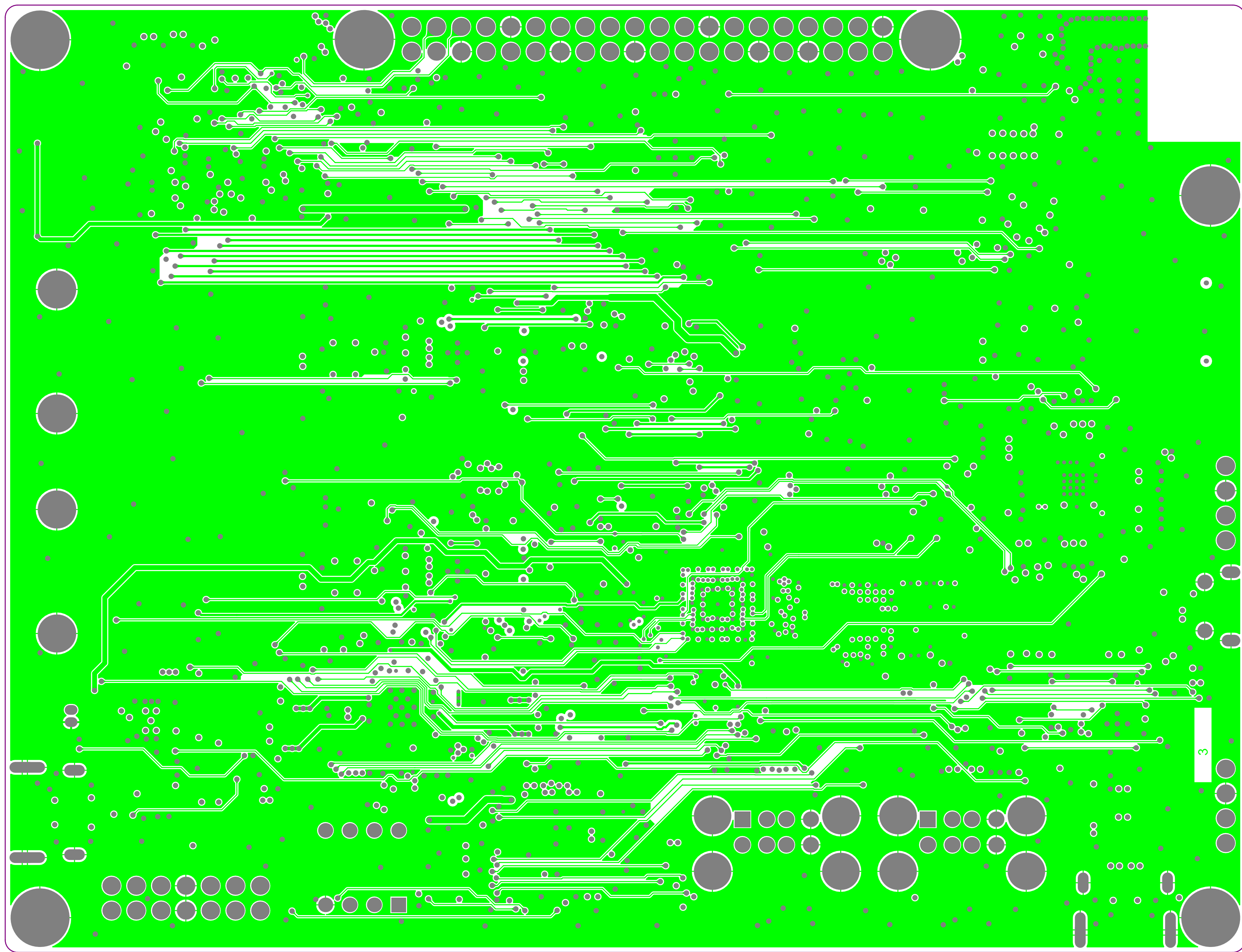
Top Layer

.GTL



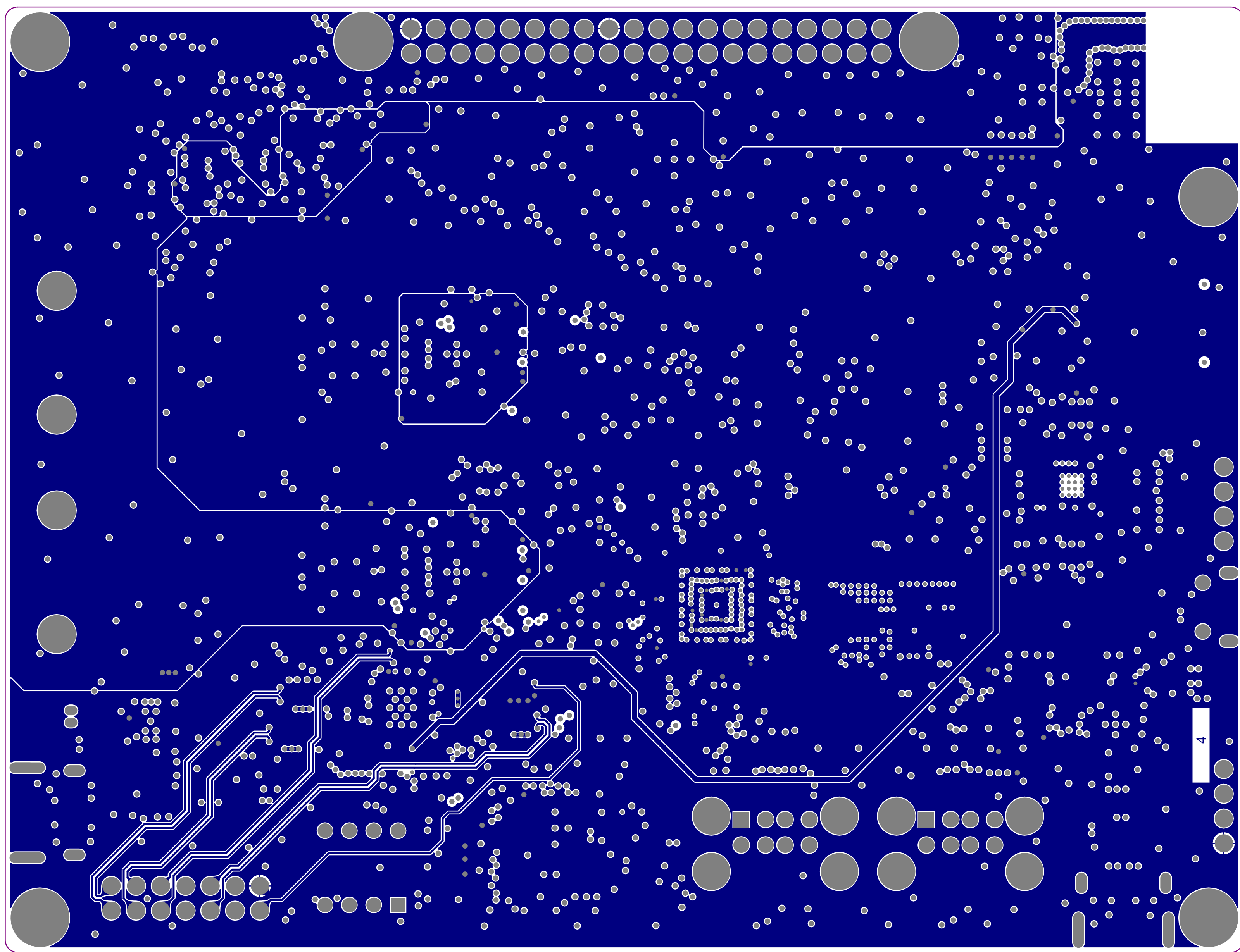
Signal Layer 1

.G1



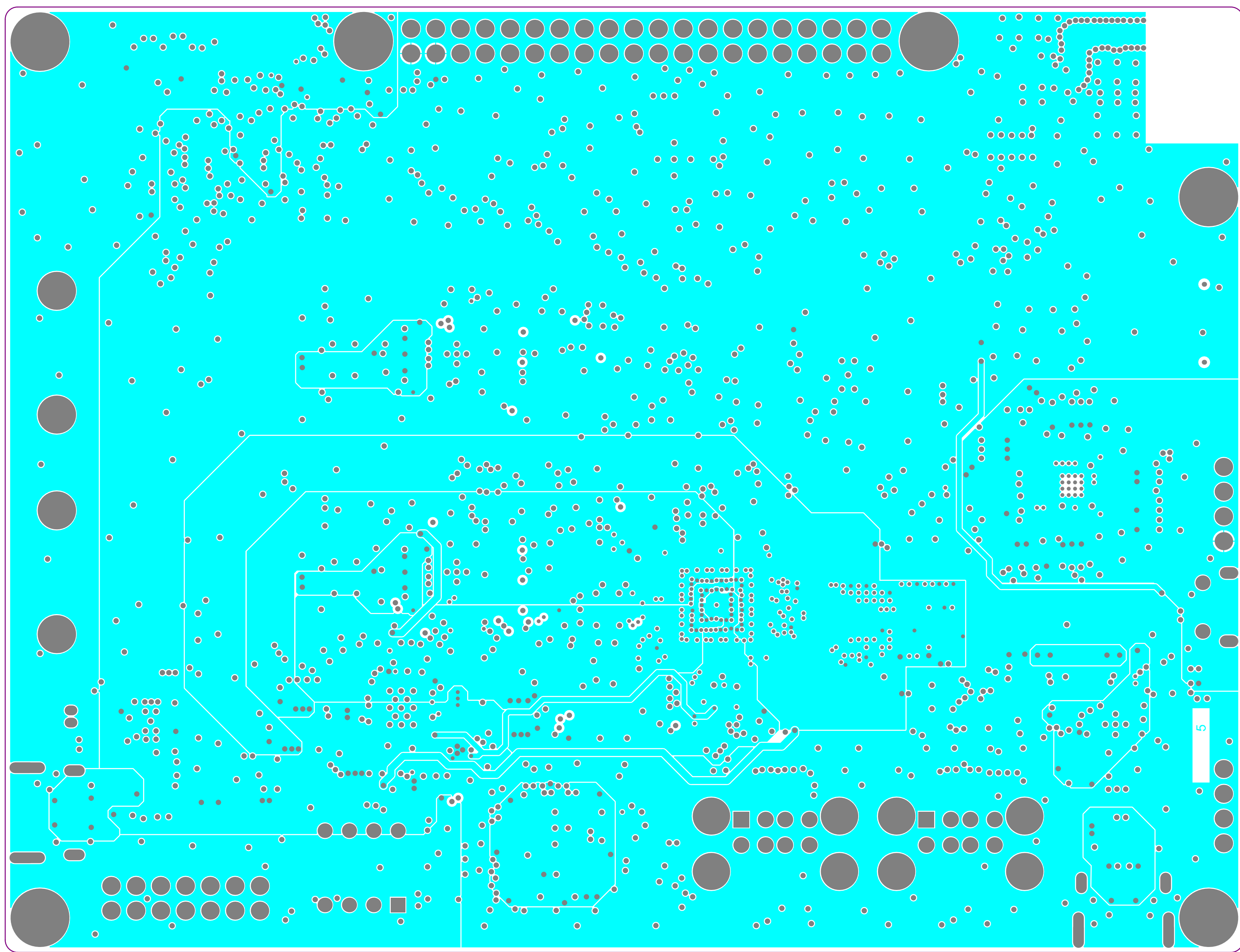
Signal Layer 2

.G2



Signal Layer 3

.G3

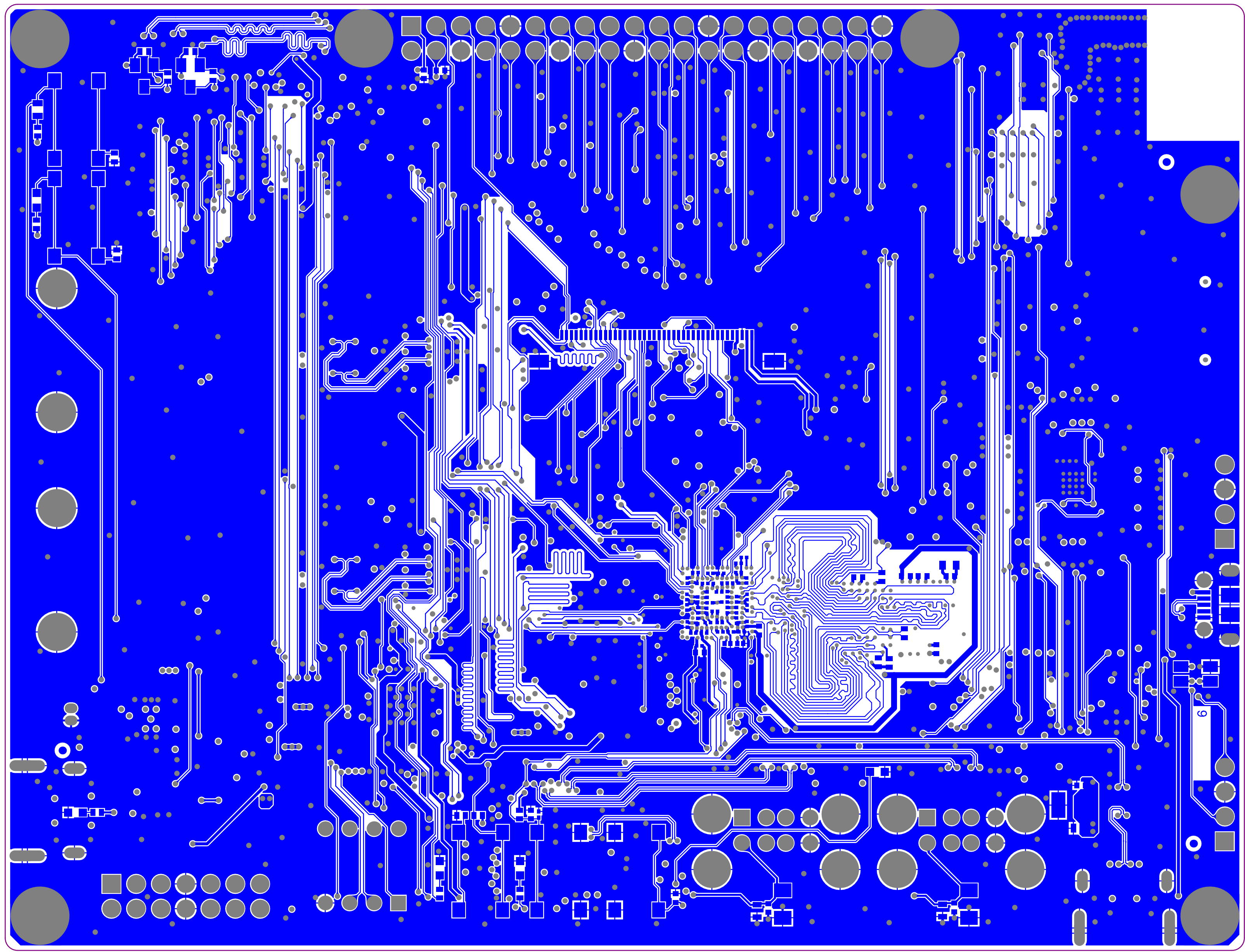


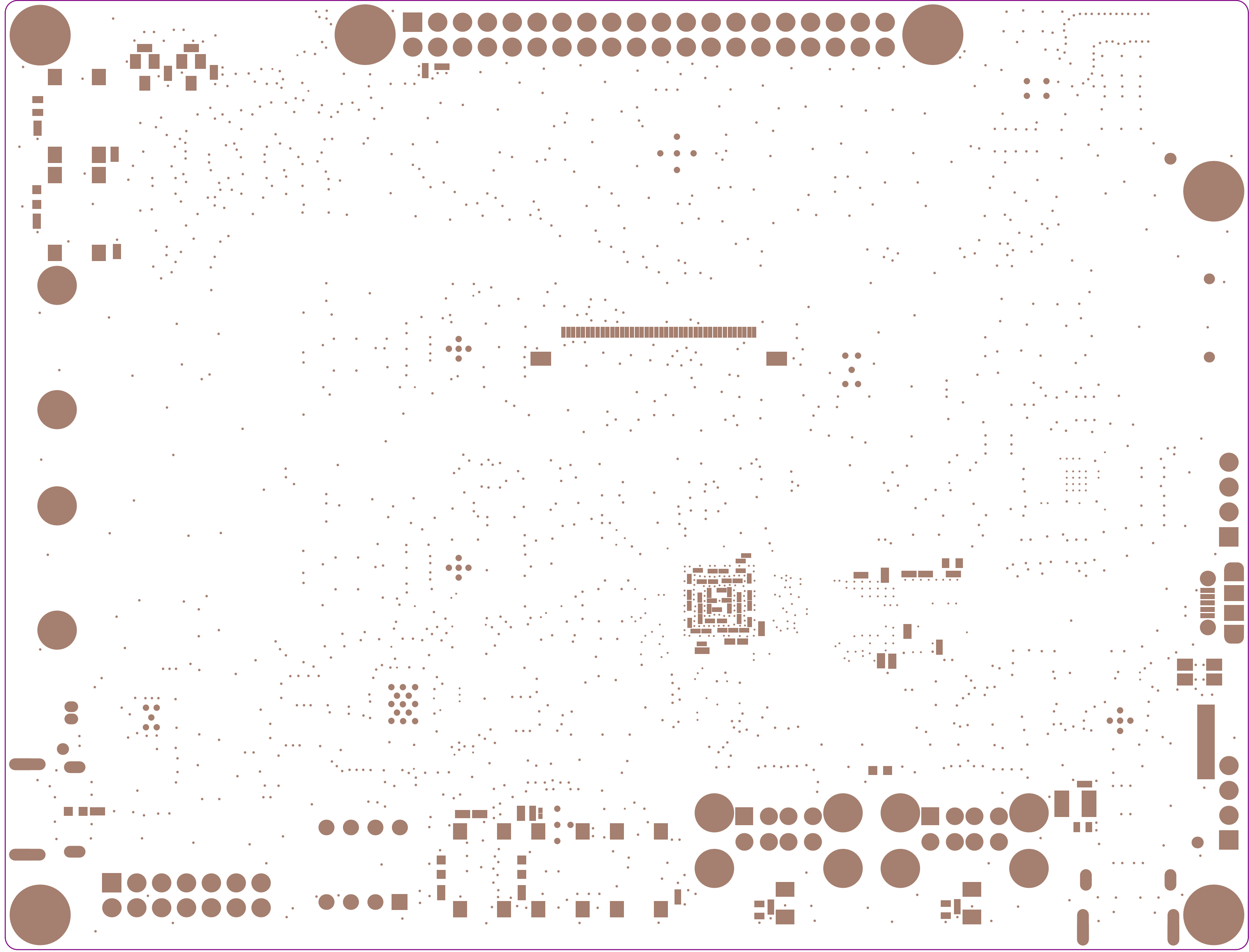
Signal Layer 4

.G4

Bottom Layer

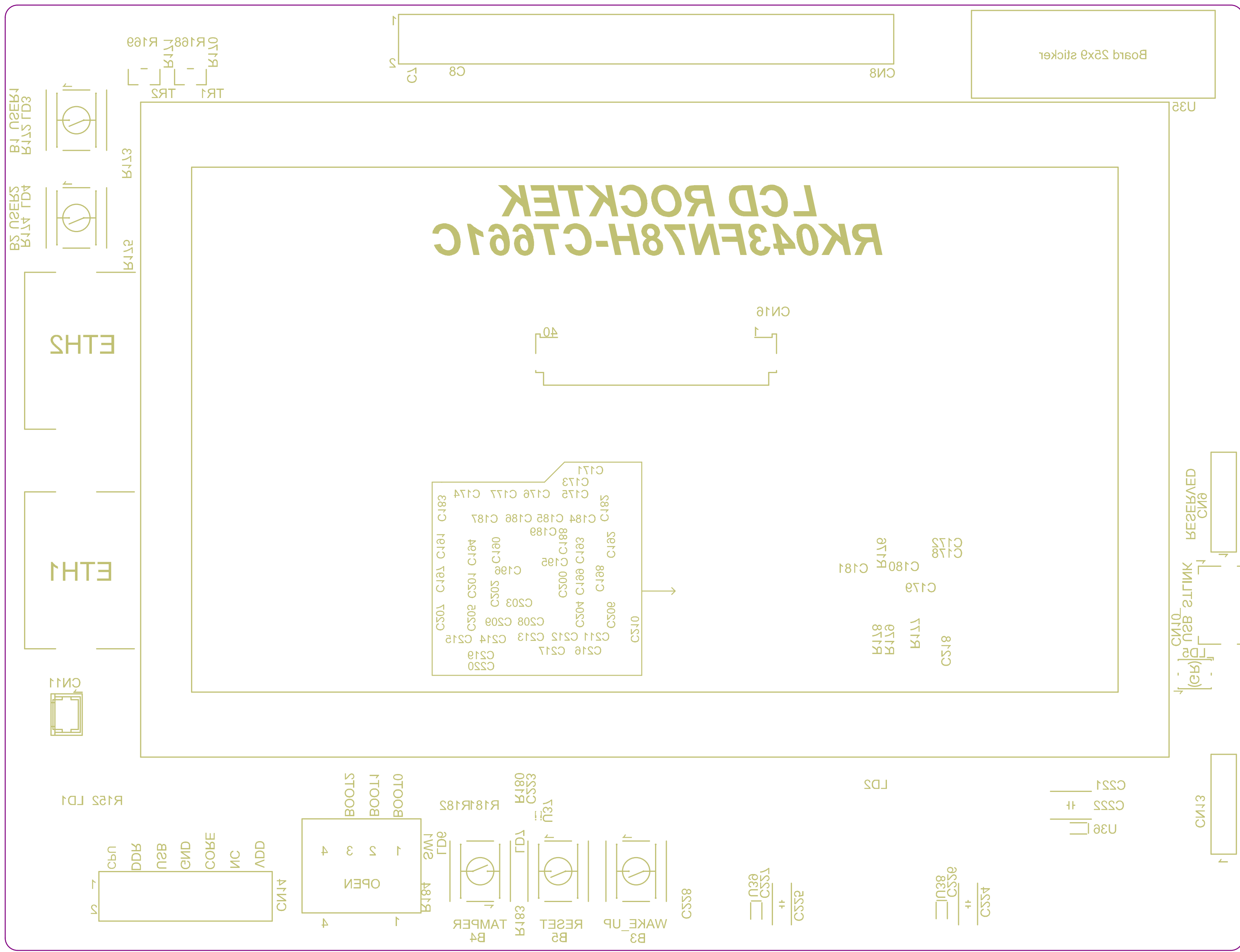
.GBL





.GB2

Bottom Solder



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.

MINIMUM PARAMETERS

DEFAULT

TRACKS : 0.100mm

GAPS : 0.100mm

UNDER MPU

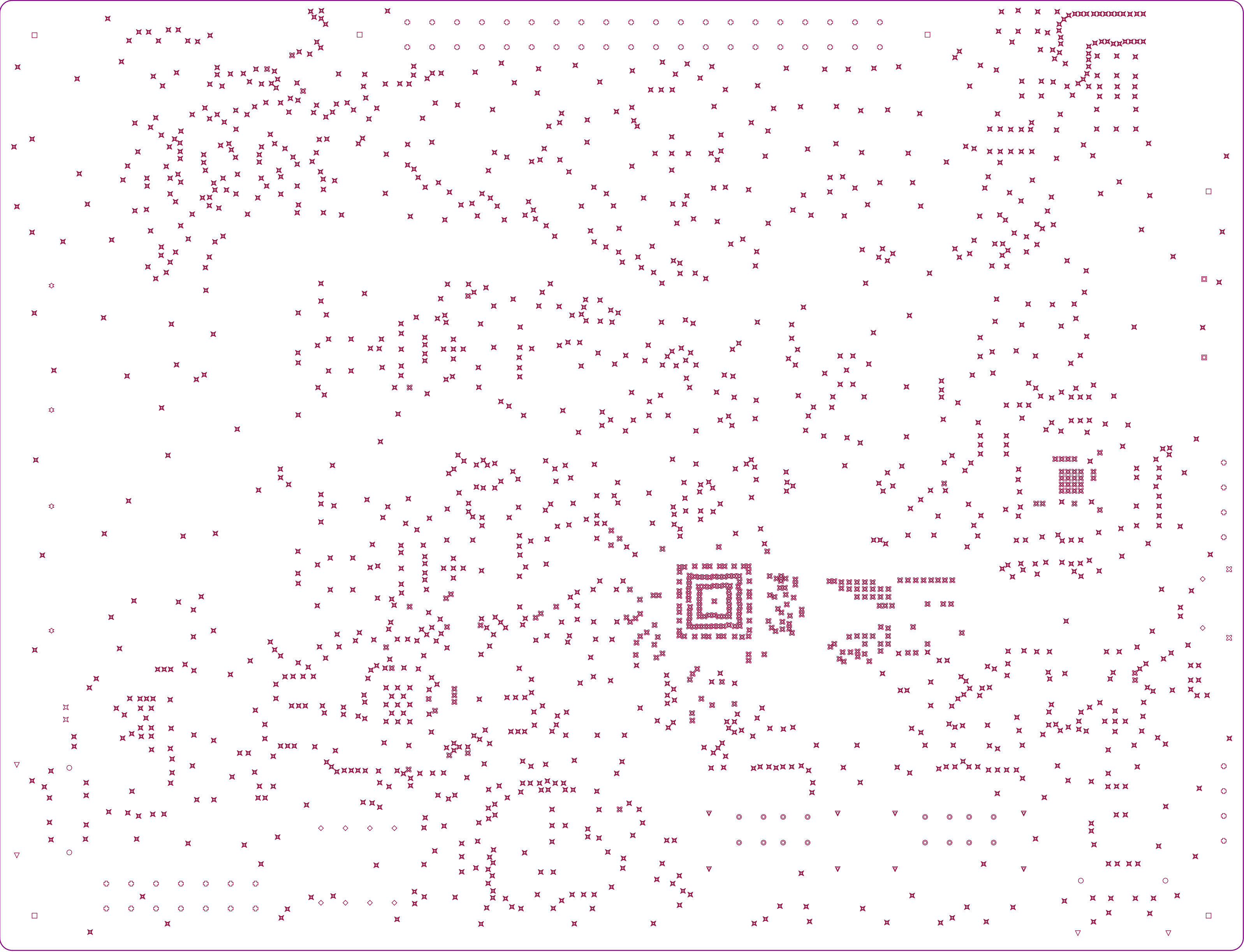
TRACKS : 0.090mm

GAPS : 0.080mm

UNDER DDR

TRACKS : 0.090mm

GAPS : 0.080mm



Drill Drawing

.DRL

Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0,025mm	3,5	
1	Top Layer	Copper	0,027mm		
	Dielectric 1		0,068mm	4	
2	Signal Layer 1	Copper	0,033mm		
	Dielectric 2		0,510mm	4	
3	Signal Layer 2	Copper	0,033mm		
	Dielectric 3		0,215mm	5	
4	Signal Layer 3	Copper	0,033mm		
	Dielectric 4		0,510mm	4	
5	Signal Layer 4	Copper	0,033mm		
	Dielectric5		0,068mm	4	
6	Bottom Layer	Copper	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 (-)
✱	2	0,500mm (19,69mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	(Mixed)	0,050mm (1,97mil)	0,050mm (1,97mil)
✱	2	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r190_120h60_130r100m195_125		
▣	2	1,000mm (39,37mil)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c50hn100m105p1050		
○	4	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r210_110h60_160r100m215_115		
▽	4	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r260_110h60_210r100m265_115		
✱	4	3,250mm (127,95mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c390h325m395		
▣	6	3,500mm (137,79mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c600h350		
▽	8	2,330mm (91,73mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c380h233		
◇	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)		
✱	62	1,000mm (39,37mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	(Mixed)		
✱	276	0,200mm (7,87mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v40h20m20		
✱	1438	0,250mm (9,84mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	(Mixed)		
	1834 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