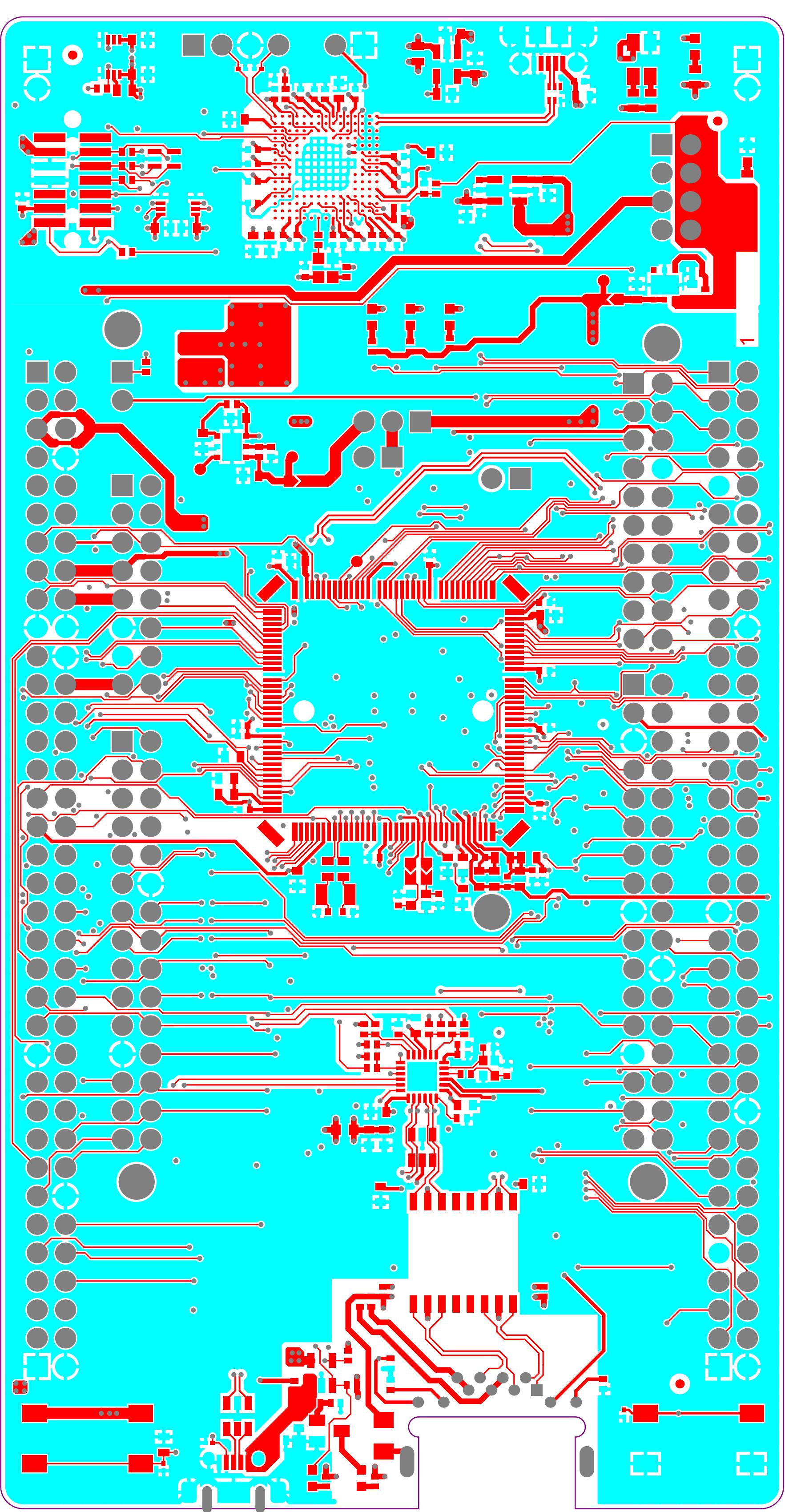


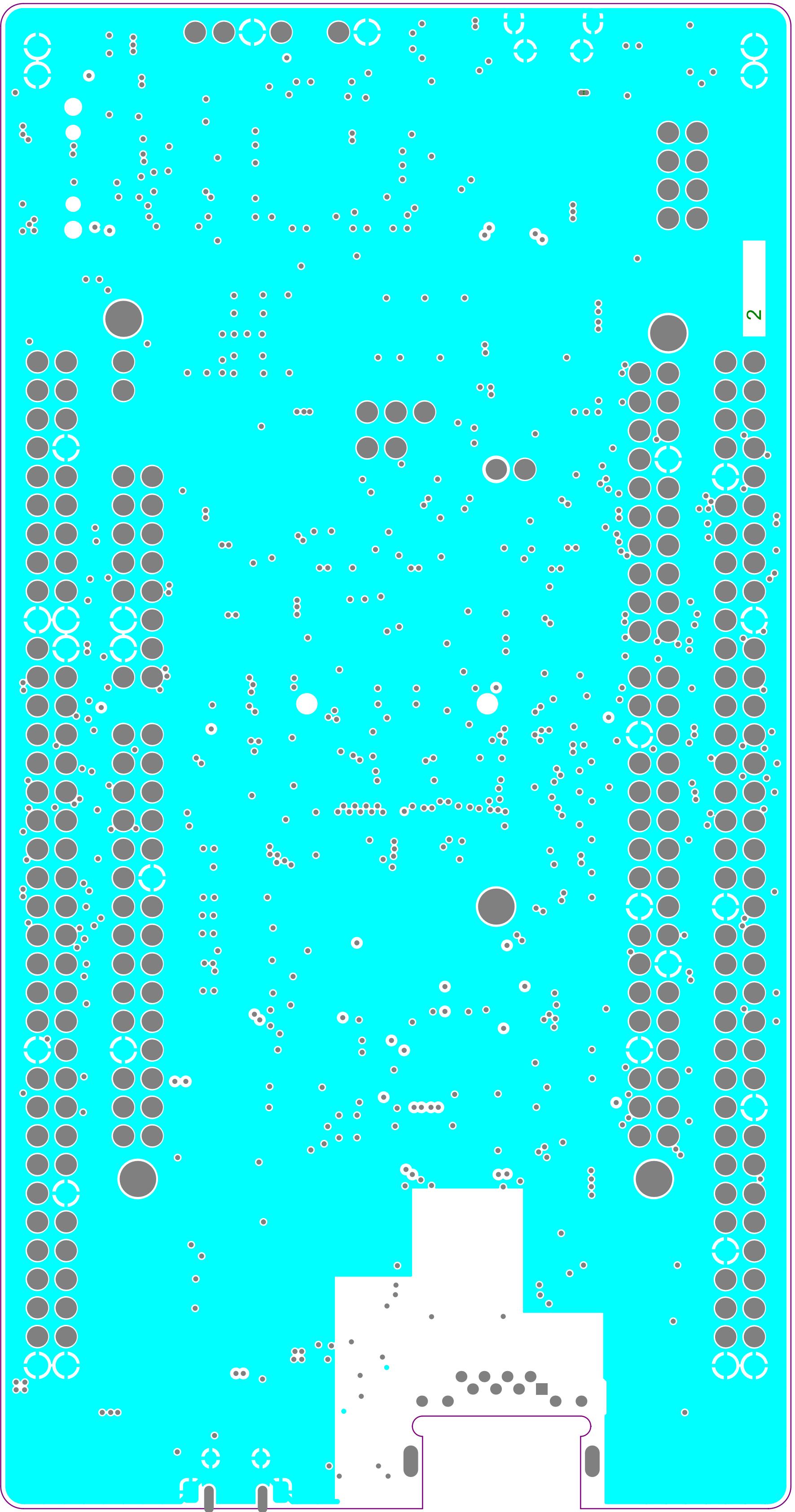
Top Solder

.GTS



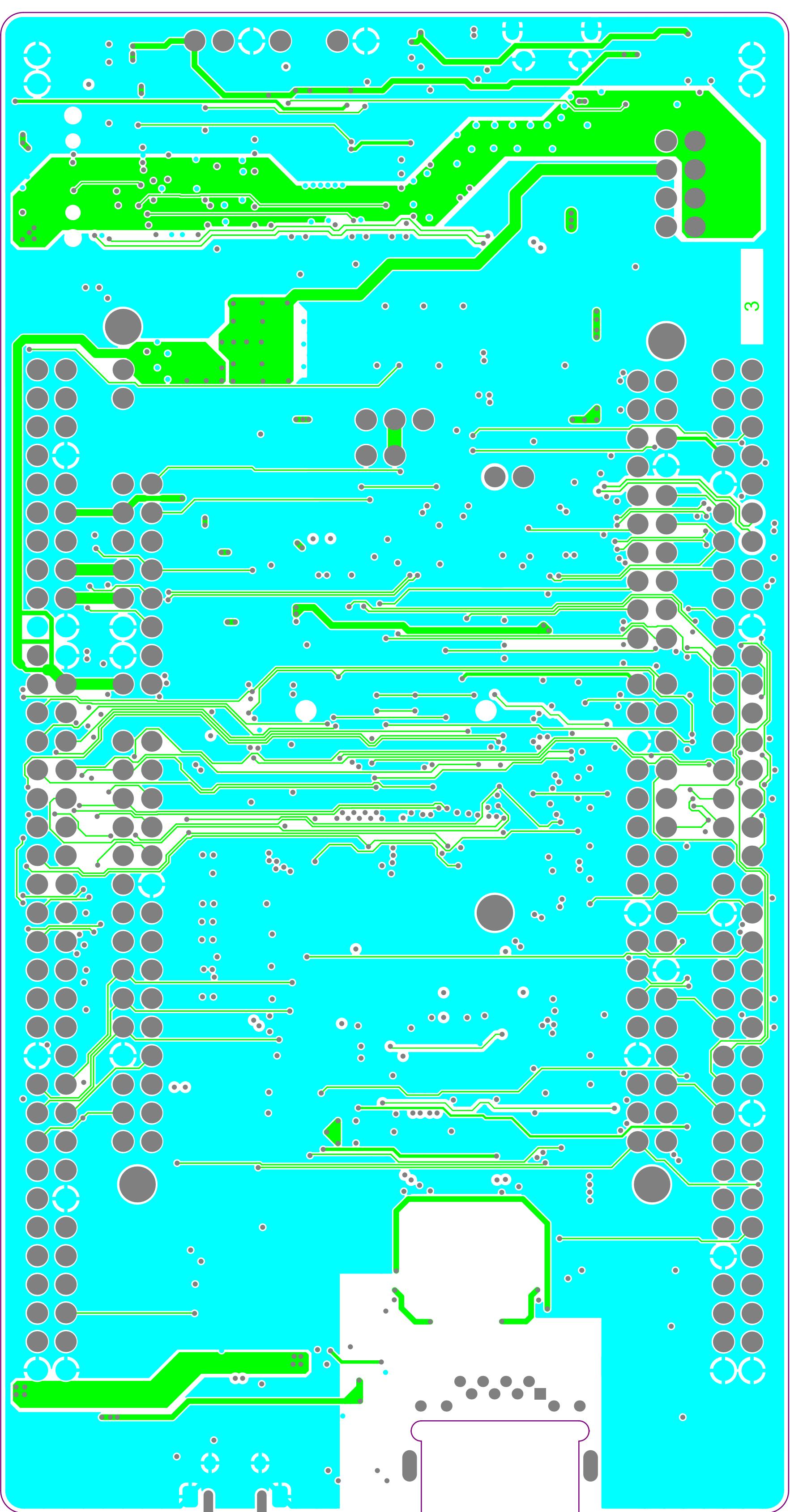
Top Layer

.GTL



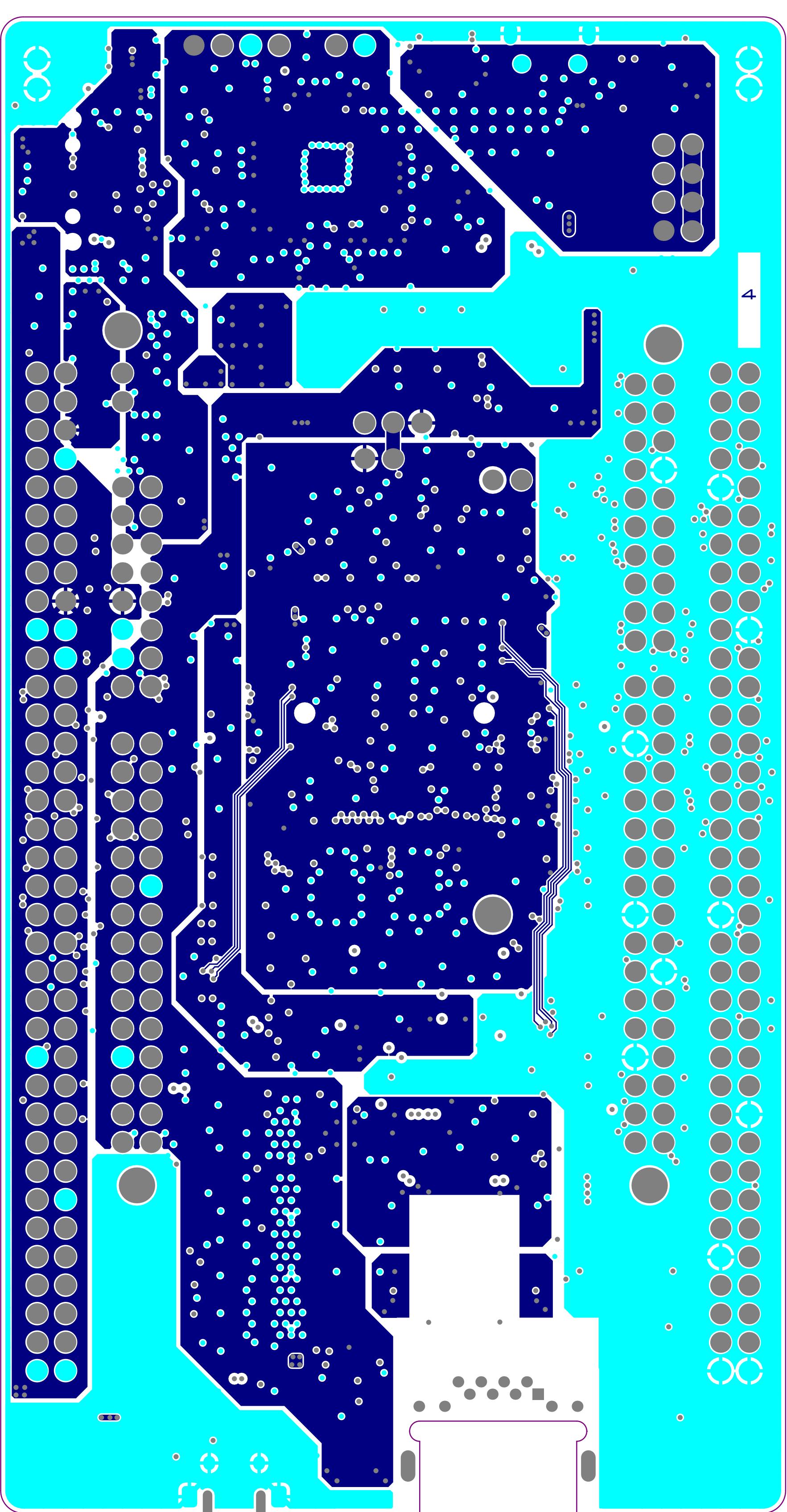
Signal Layer 1

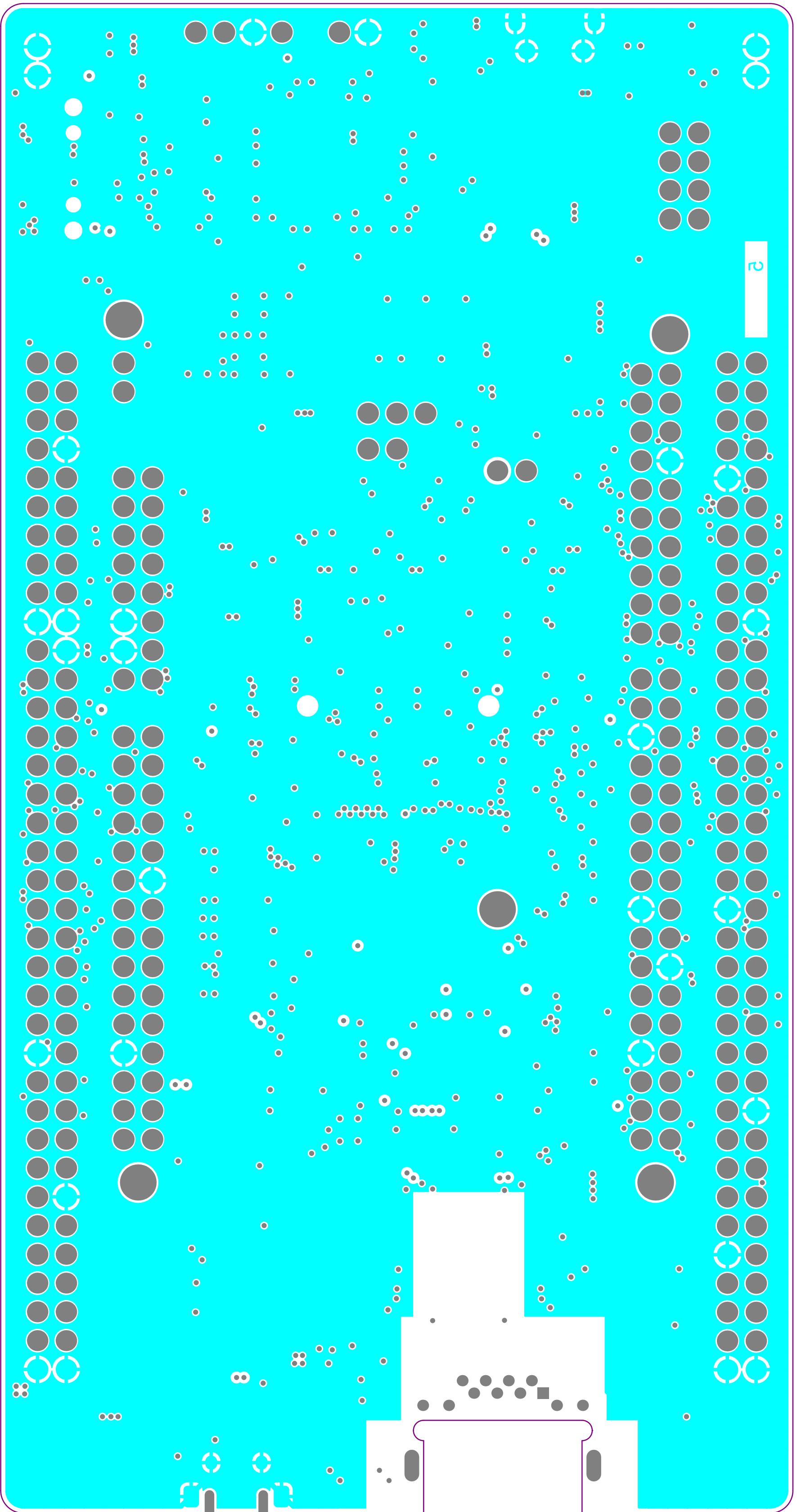
.G1

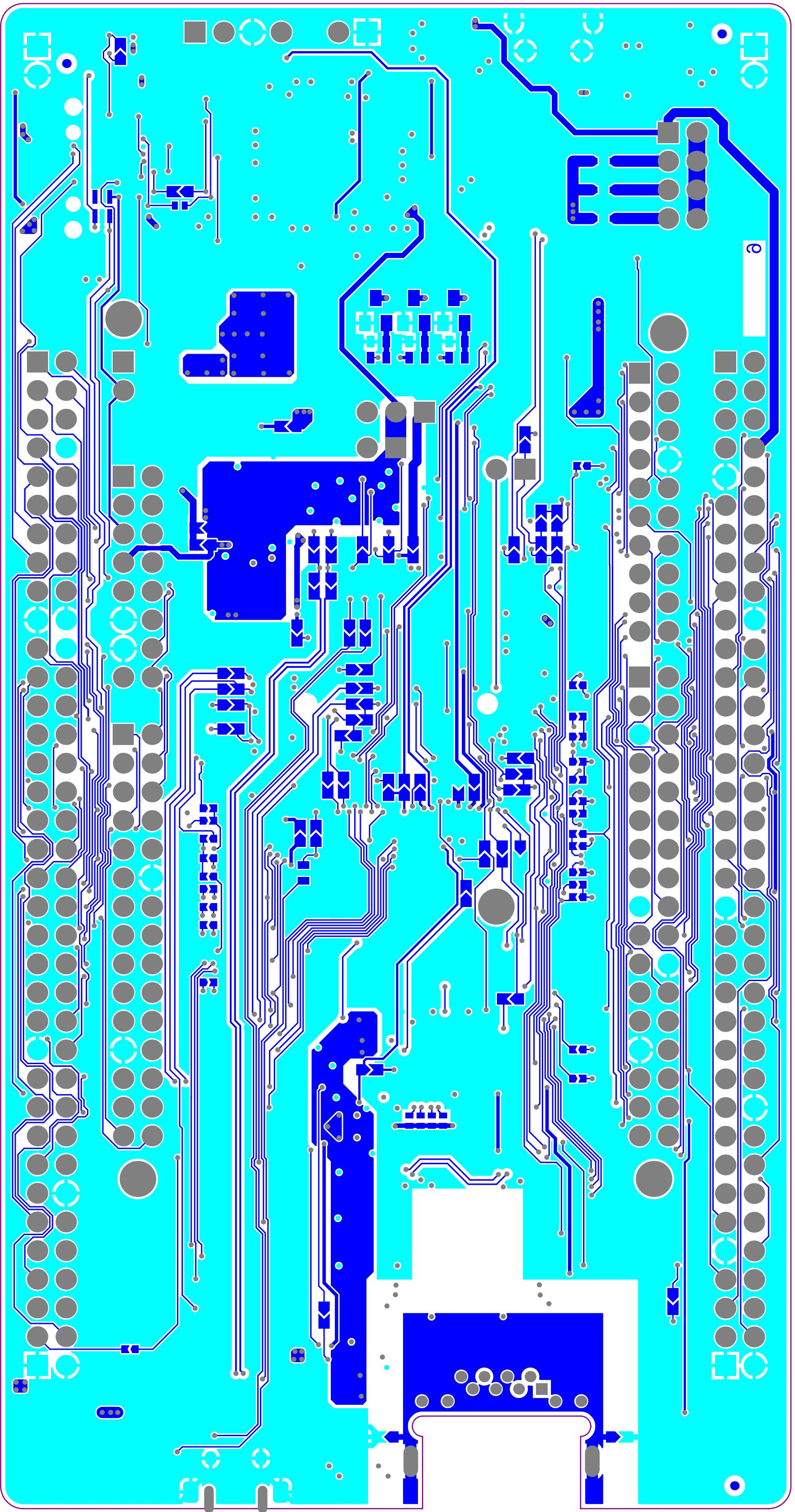


Signal Layer 2

.G2

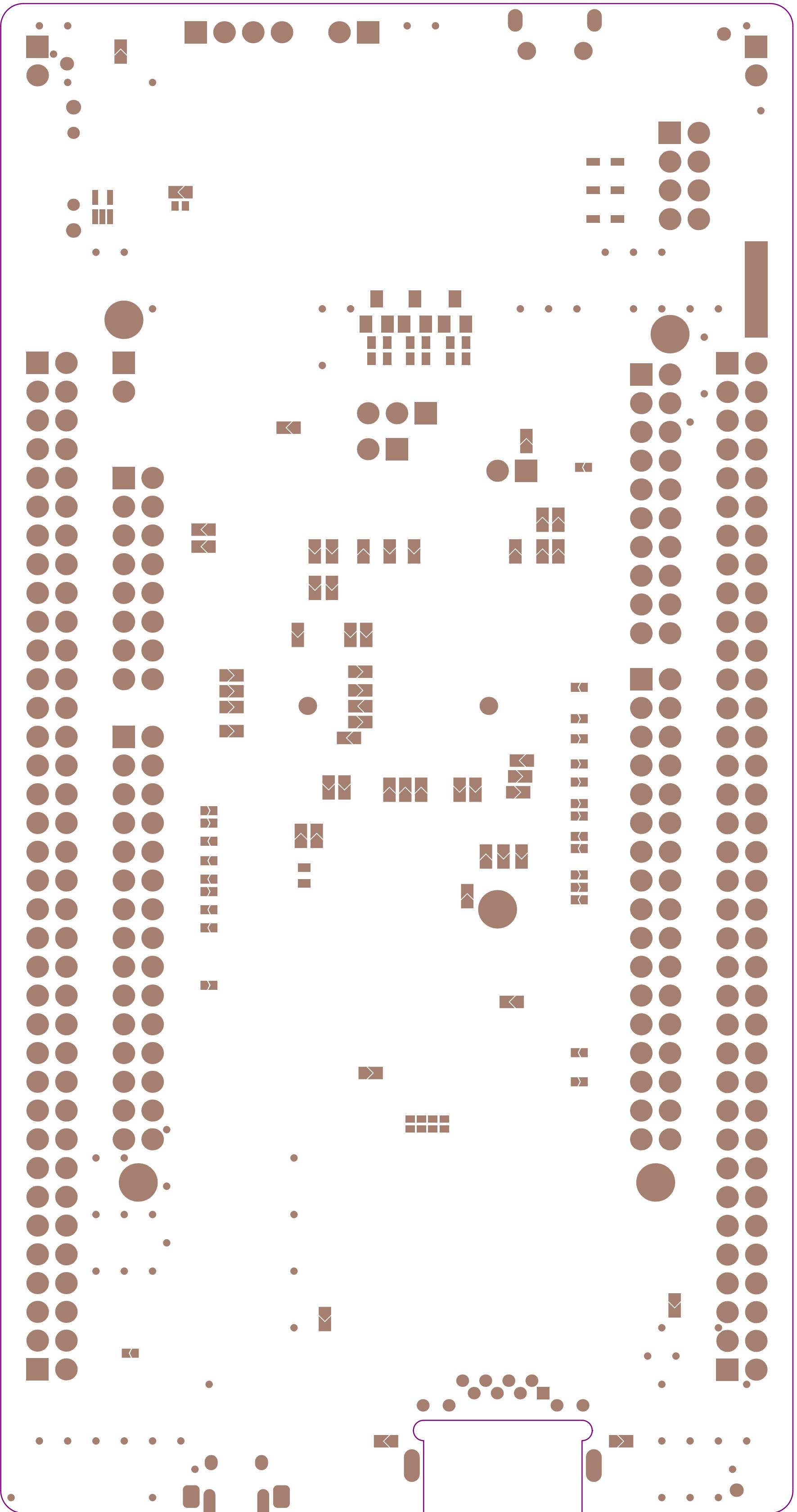


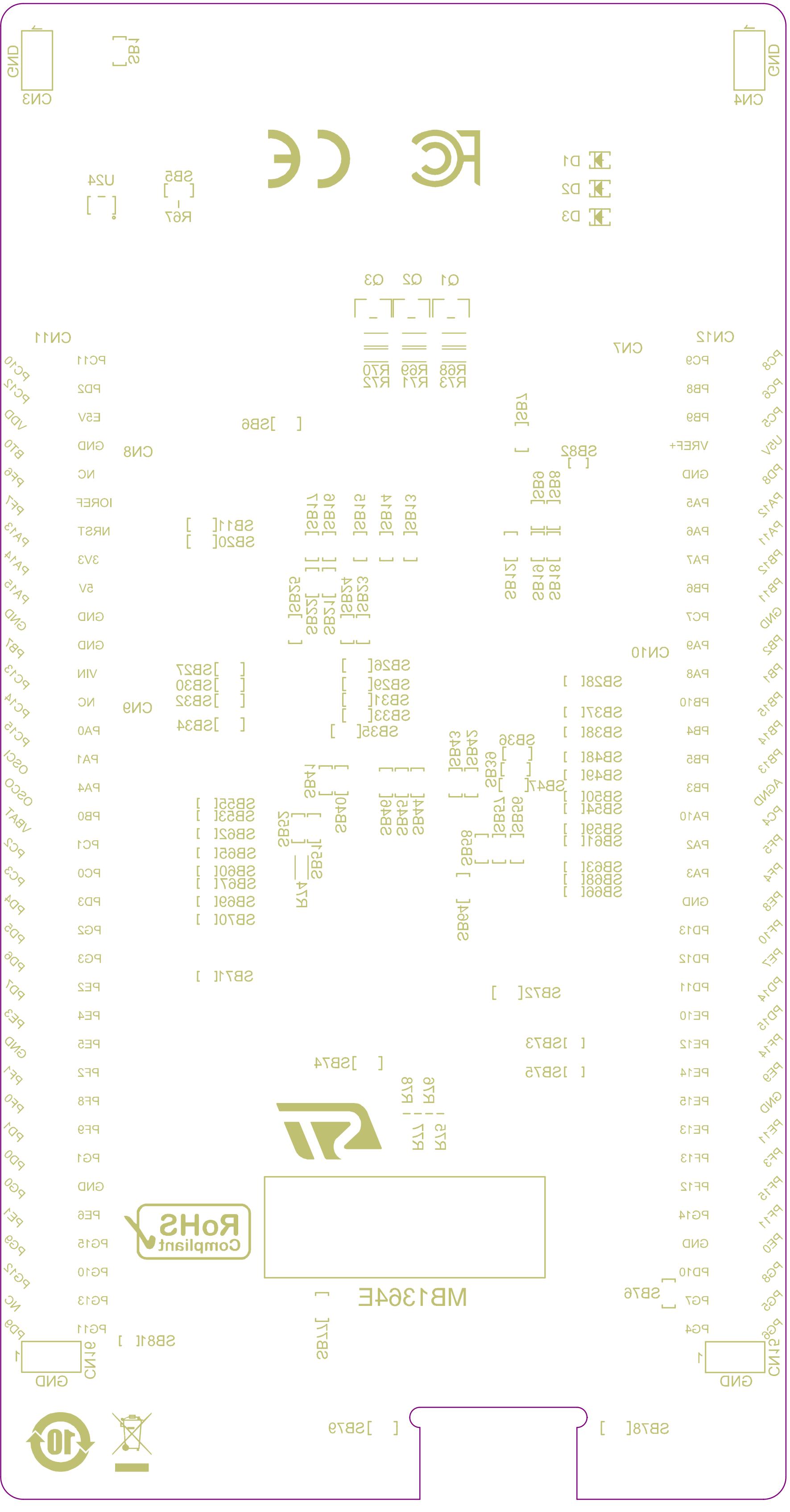




GBR

Bottom Layer





THE COMPONENTS WITH PLATED THROUGH HOLE (PTH) MAY BE WELDED (CABLED) IN "PIN-IN-PASTE" MODE (IF NECESSARY)

PCB SPECIFICATIONS :

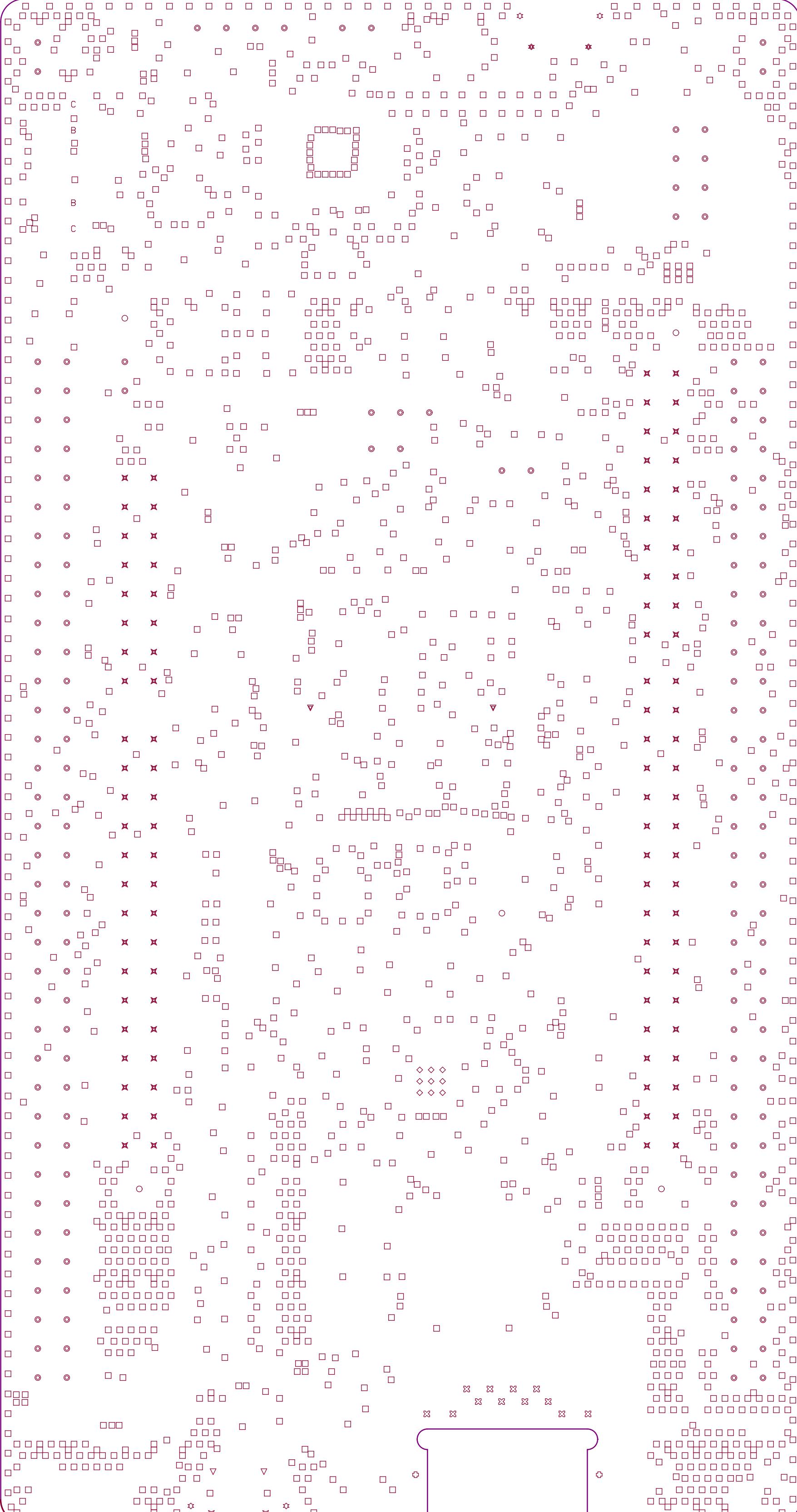
- A. MATERIAL : FR-4 TG-170 TG-150 TG-140
 B. MATERIAL FAMILY : N/A
 C. SOLDERMASK COLOR : GREEN WHITE RED BLACK
 D. SILKSCREEN COLOR : WHITE YELLOW BLACK Blue ink PANTONE 2955
 E. SURFACE FINISH : ENIG IMMERSION SILVER IMMERSION TIN
 F. HASL HASL (PB-FREE) GOLDEN FINGER
 G. IMPEDANCE CONTROL : NO YES (SEE IMPEDANCE TABLE FOR DETAIL INFORMATION)
 H. THROUGH VIA : PLUG THE VIAS WHICH ARE COVERED WITH SOLDERMASK ONE OR TWO SIDE.
 I. STACK-UP : PLUG MATERIAL : SOLDERMASK NON-CONDUCTIVE EPOXY.
 J. SEE LAYER STACK-UP SEQUENCE FOR OVERALL THICKNESS.

PCB : TYPE 3

ASPECT-RATIO, AXE Z :
6:1 to 8:1
LEVEL "B"

MINIMUM PARAMETERS

DEFAULT
TRACKS : 0.120mm
GAPS : 0.120mm



Layer	Name	Material	Thickness	Constant	Board Layer Stack
1	Top Overlay				
2	Top Solder	Solder Resist	0,015mm	3,5	
3	Top Layer	Copper	0,042mm		
4	Dielectric 1	FR-4	0,099mm	4,2	
5	Signal Layer 1	Copper	0,035mm		
6	Dielectric 2		0,102mm	4,2	
7	Signal Layer 2	Copper	0,035mm		
8	Dielectric 3		0,946mm	4,2	
9	Signal Layer 3	Copper	0,035mm		
10	Dielectric 4		0,102mm	4,2	
11	Signal Layer 4	Copper	0,035mm		
12	Dielectric 5		0,099mm	4,2	
13	Bottom Layer	Copper	0,042mm		
14	Bottom Solder	Solder Resist	0,015mm	3,5	
15	Bottom Overlay				

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Hole Length	Routed Path Length
□	2000	0,200mm (7,87mil)	PTH	Round	Top Layer - Bottom Layer	-	-
◊	9	0,300mm (11,81mil)	PTH	Round	Top Layer - Bottom Layer	-	-
★	4	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	1,300mm (51,18mil)	0,700mm (27,56mil)
▽	2	0,650mm (25,59mil)	PTH	Slot	Top Layer - Bottom Layer	0,850mm (33,47mil)	0,200mm (7,88mil)
✖	12	0,700mm (27,56mil)	PTH	Round	Top Layer - Bottom Layer	-	-
✚	2	0,700mm (27,56mil)	PTH	Slot	Top Layer - Bottom Layer	2,200mm (86,61mil)	1,500mm (59,06mil)
❖	2	0,850mm (33,47mil)	NPTH	Slot	Top Layer - Bottom Layer	2,425mm (95,47mil)	1,575mm (62,01mil)
◆	2	0,900mm (35,43mil)	PTH	Round	Top Layer - Bottom Layer	-	-
B	2	0,970mm (38,19mil)	NPTH	Round	Top Layer - Bottom Layer	-	-
◎	171	1,000mm (39,37mil)	PTH	Round	Top Layer - Bottom Layer	-	-
✖	100	1,100mm (43,31mil)	PTH	Round	Top Layer - Bottom Layer	-	-
C	2	1,190mm (46,85mil)	NPTH	Round	Top Layer - Bottom Layer	-	-
▽	2	1,500mm (59,06mil)	NPTH	Round	Top Layer - Bottom Layer	-	-
○	5	3,200mm (125,98mil)	NPTH	Round	Top Layer - Bottom Layer	-	-
	2315 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