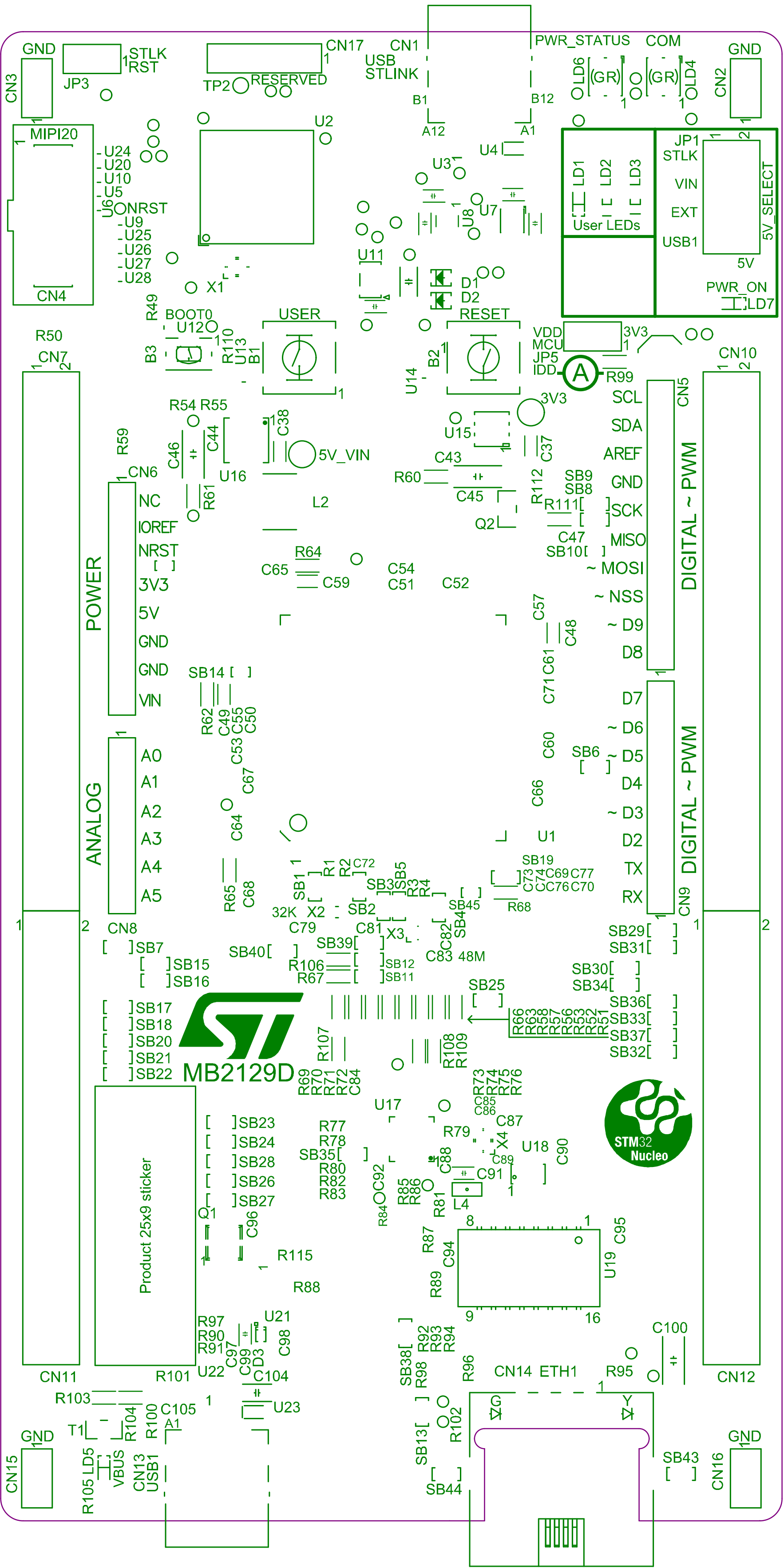




Project: NUCLEO-H5E5ZJ

Layer: **Top Overlay**

Gerber: **.GTO**

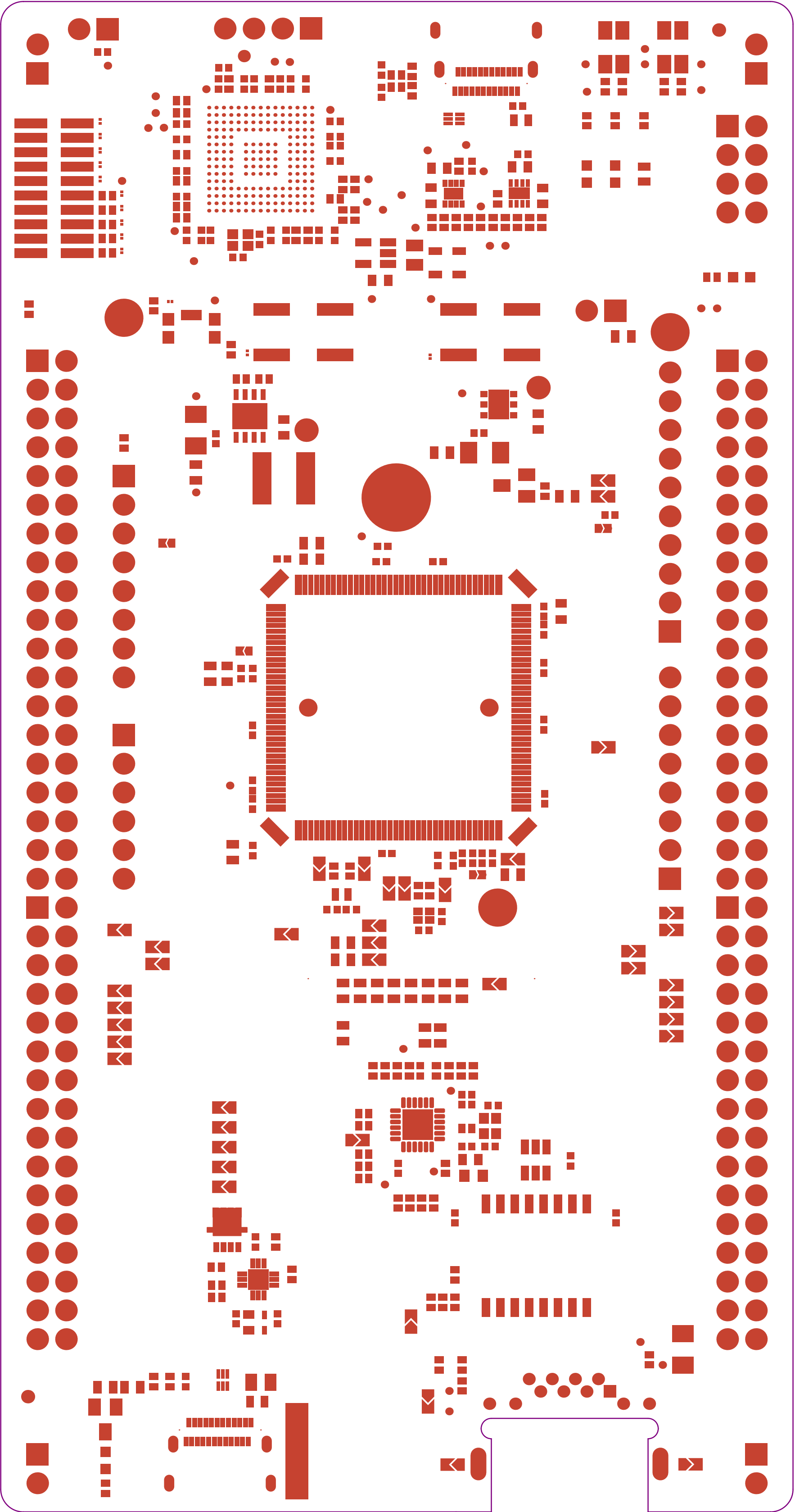
Variant: [No Variations]

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Project: NUCLEO-H5E5ZJ

Layer: **Top Solder**

Variant: [No Variations]

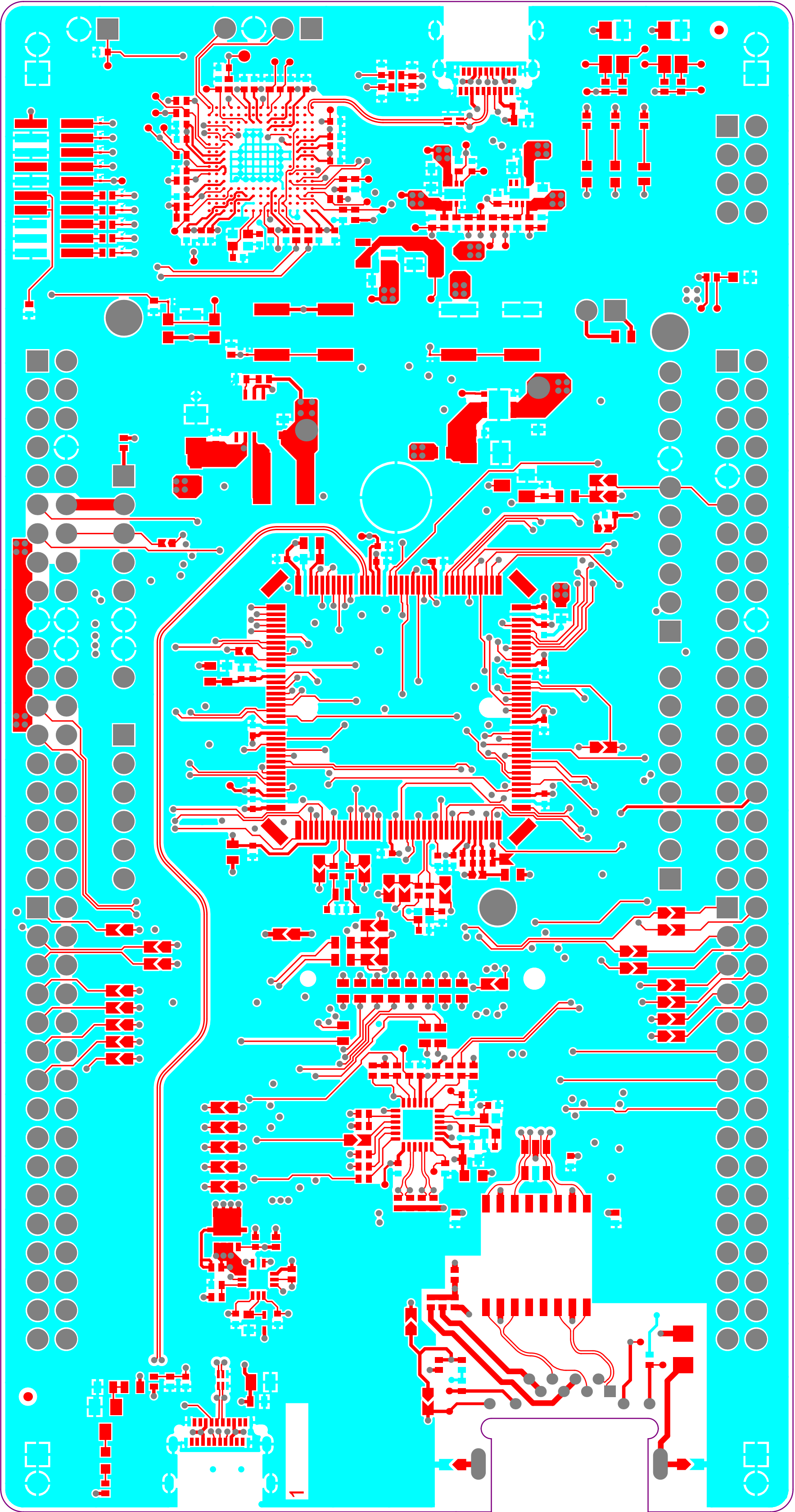
Date: 01 October 2025

Gerber: **.GTS**

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Rev: D





Project: NUCLEO-H5E5ZJ

Layer: **Top Layer**

Variant: [No Variations]

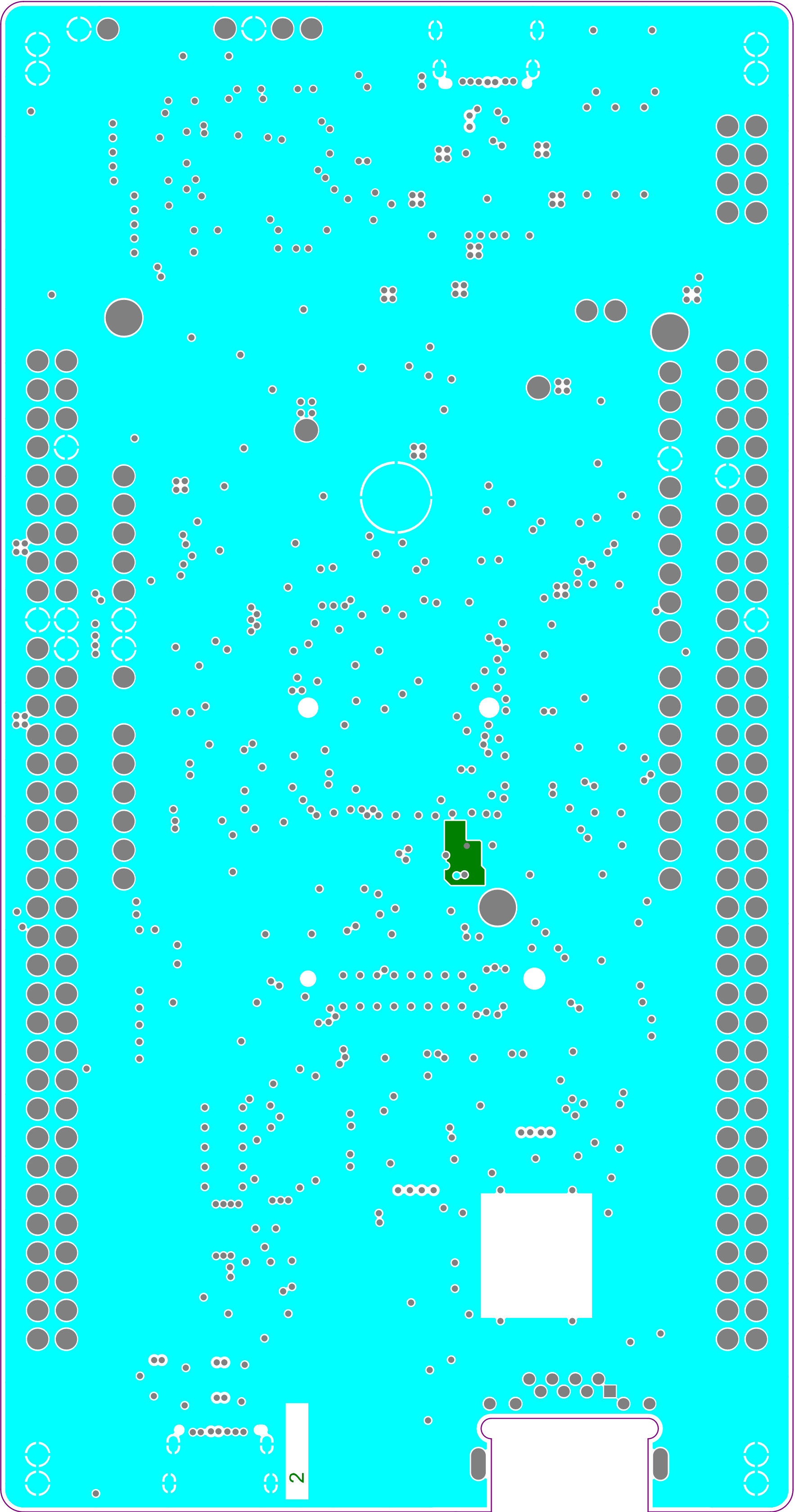
Date: 01 October 2025

Gerber: **.GTL**

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Rev: D





Project: NUCLEO-H5E5ZJ

Layer: **Signal Layer 1**

Variant: [No Variations]

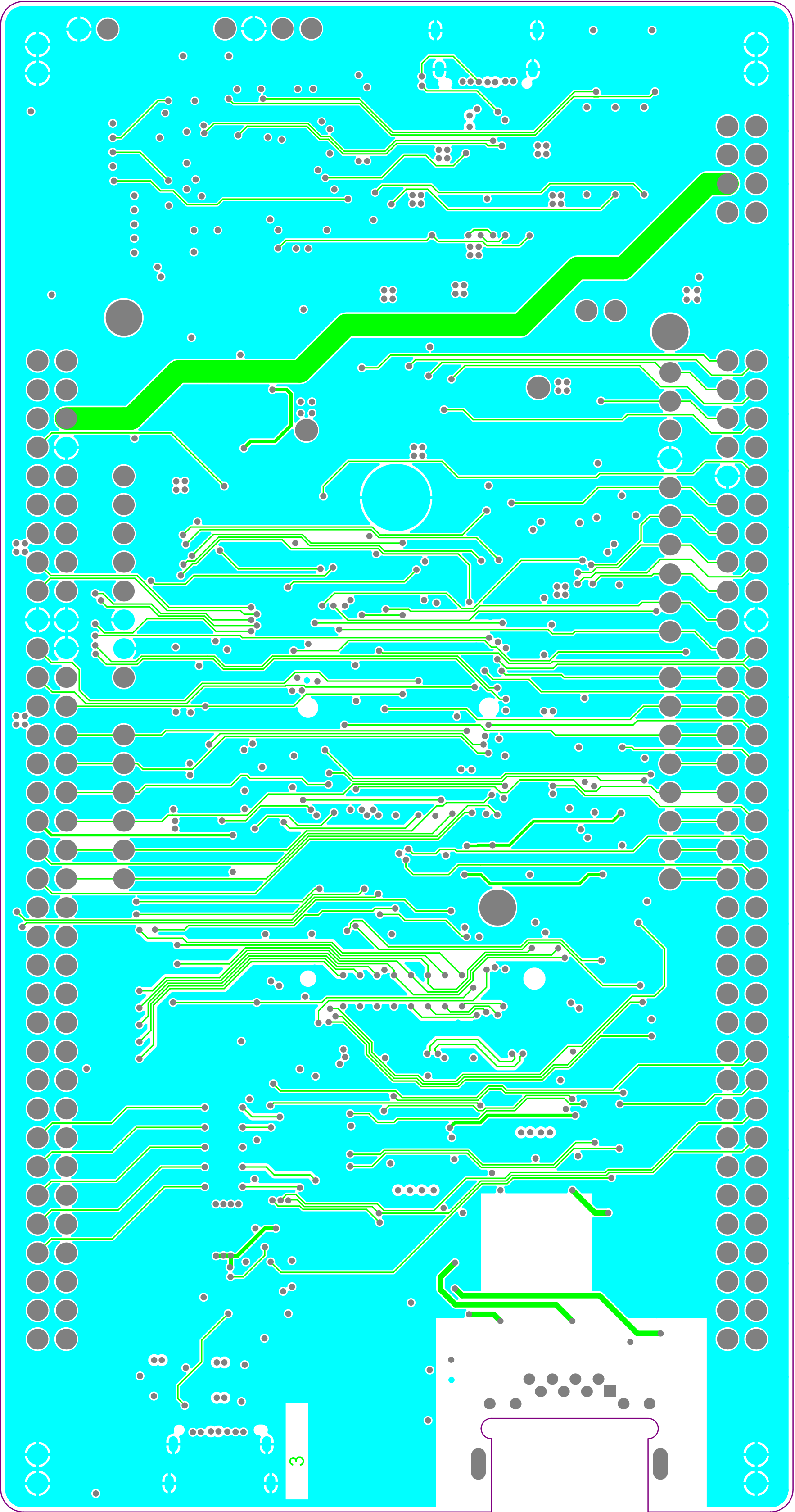
Date: 01 October 2025

Gerber: **.G1**

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Project: NUCLEO-H5E5ZJ

Layer: **Signal Layer 2**

Variant: [No Variations]

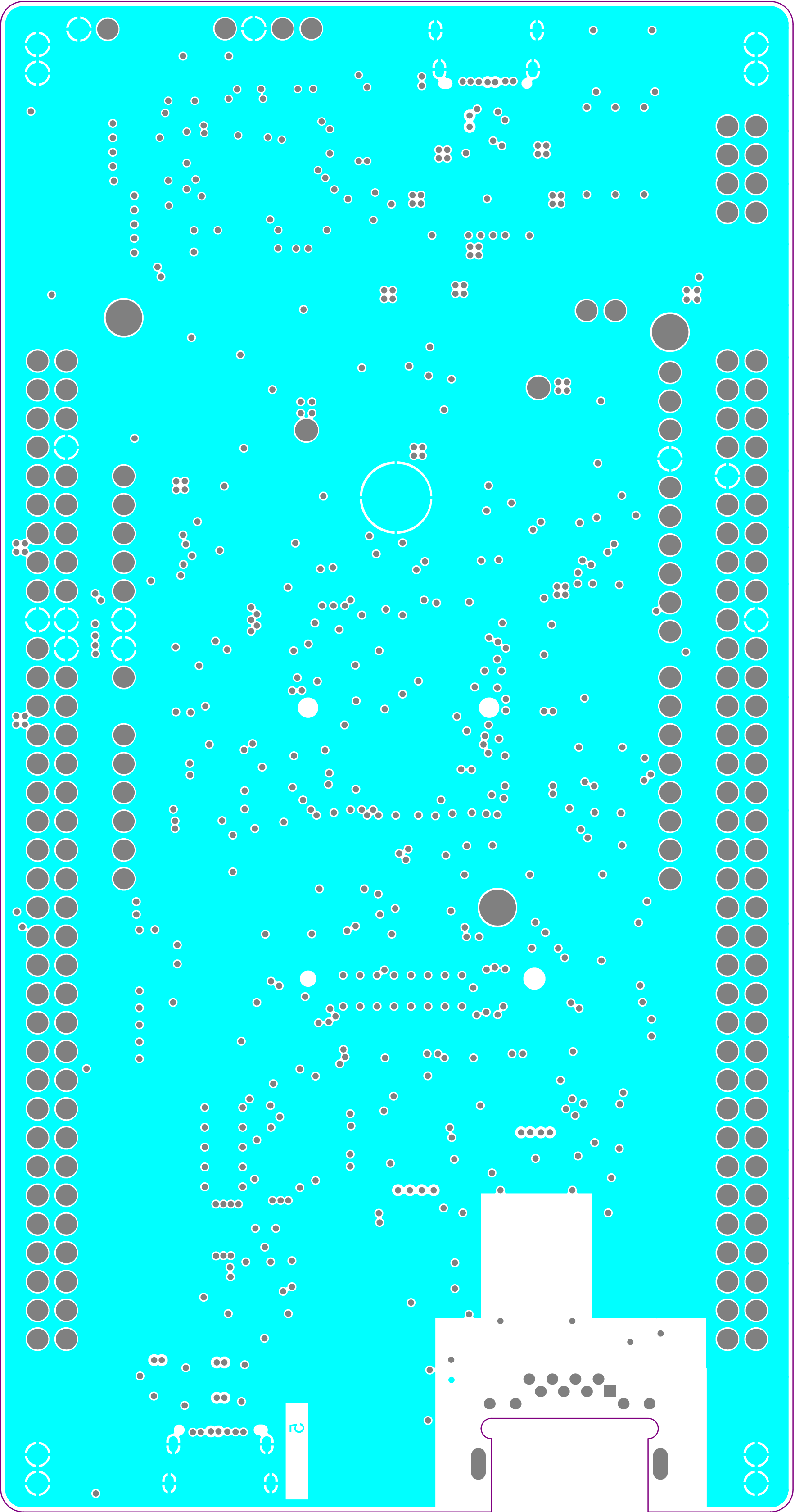
Date: 01 October 2025

Gerber: **.G2**

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Project: NUCLEO-H5E5ZJ

Layer: **Signal Layer 4**

Variant: [No Variations]

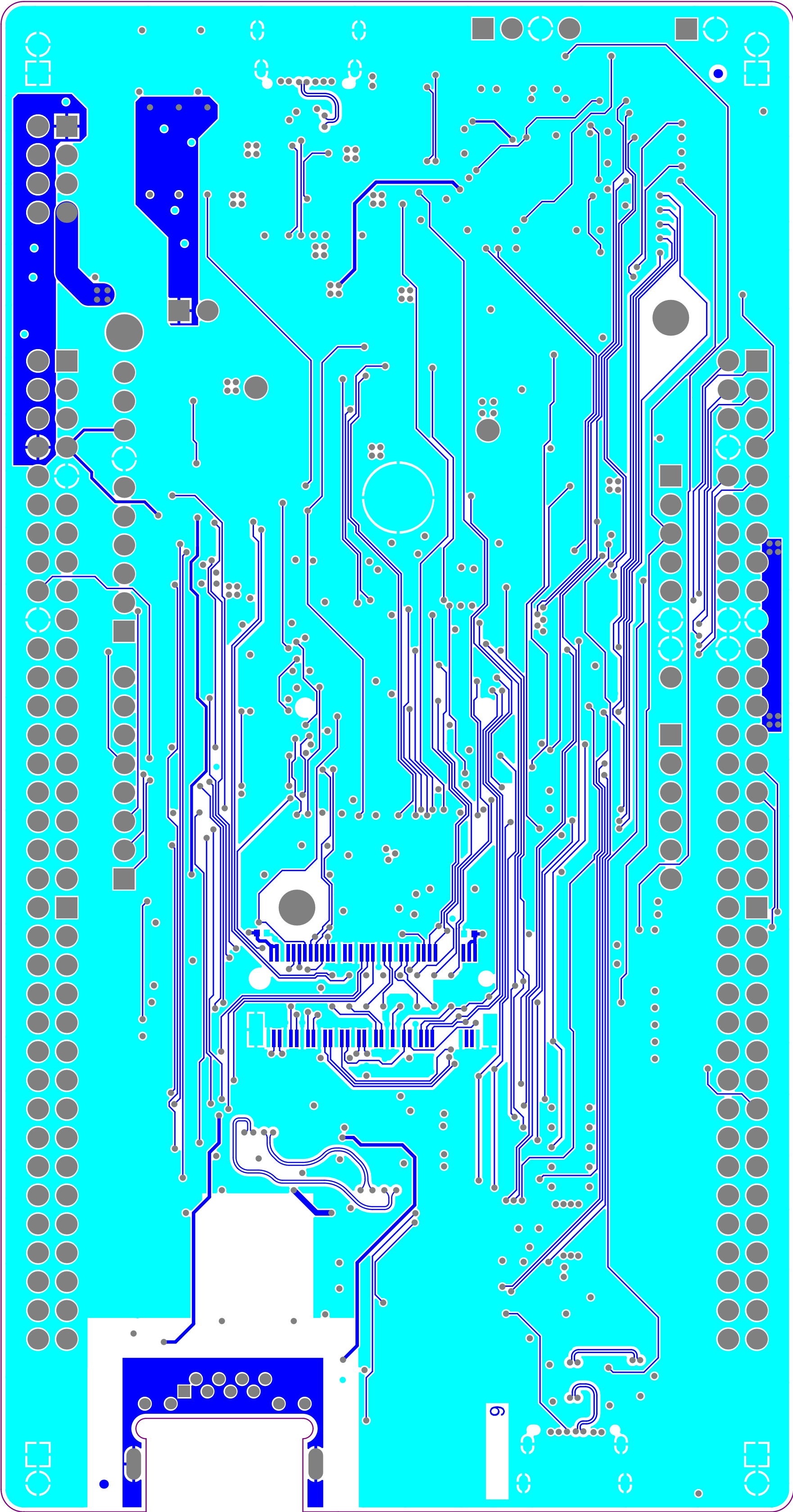
Date: 01 October 2025

Gerber: **.G4**

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Project: NUCLEO-H5E5ZJ

Layer: Bottom Layer

Variant: [No Variations]

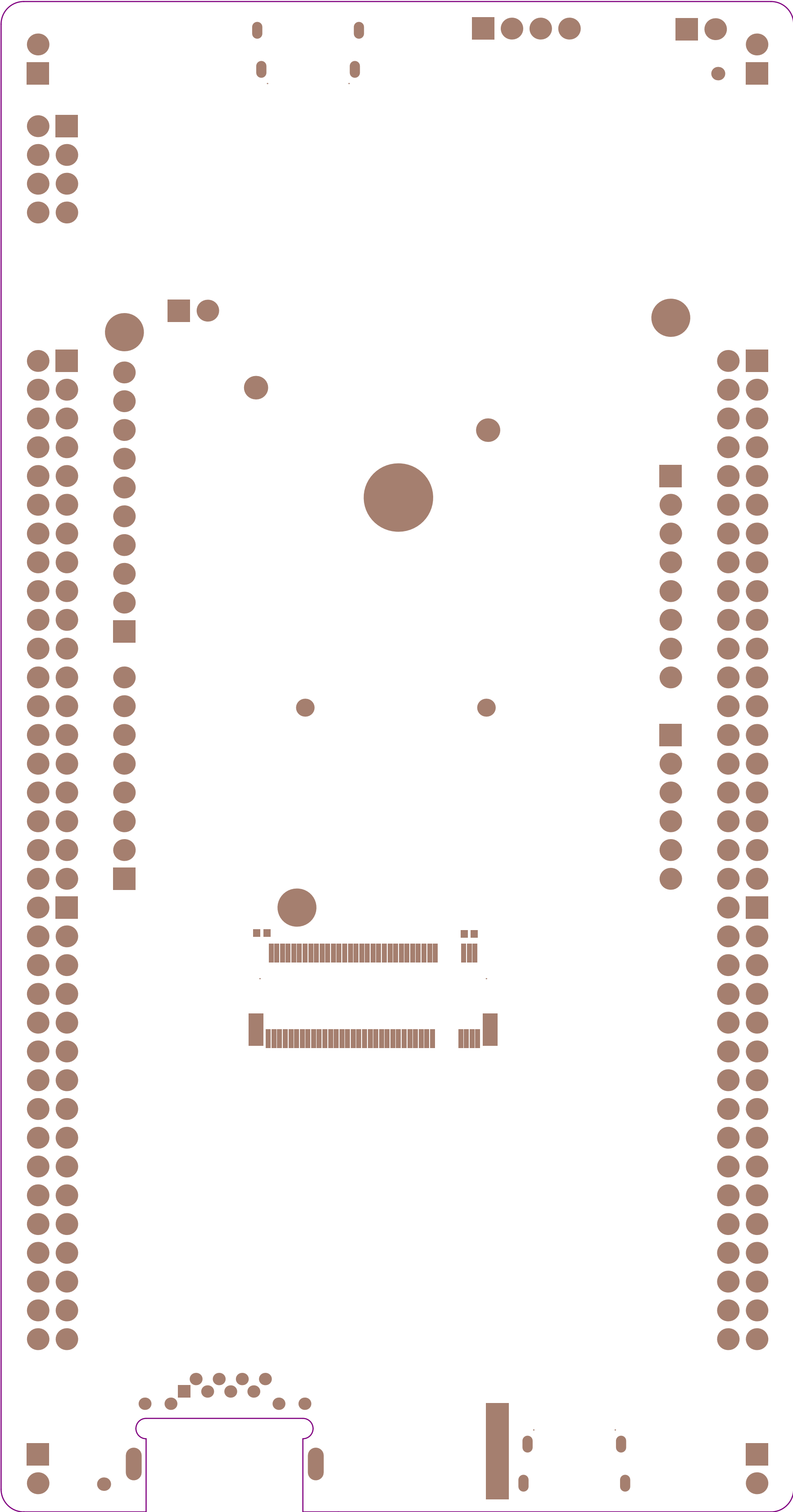
Date: 01 October 2025

Gerber:.GBL

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Rev: D





Project: NUCLEO-H5E5ZJ

Layer: Bottom Solder

Gerber:.GBS

Variant: [No Variations]

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Date: 01 October 2025

Rev: D



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

PCB SPECIFICATIONS :

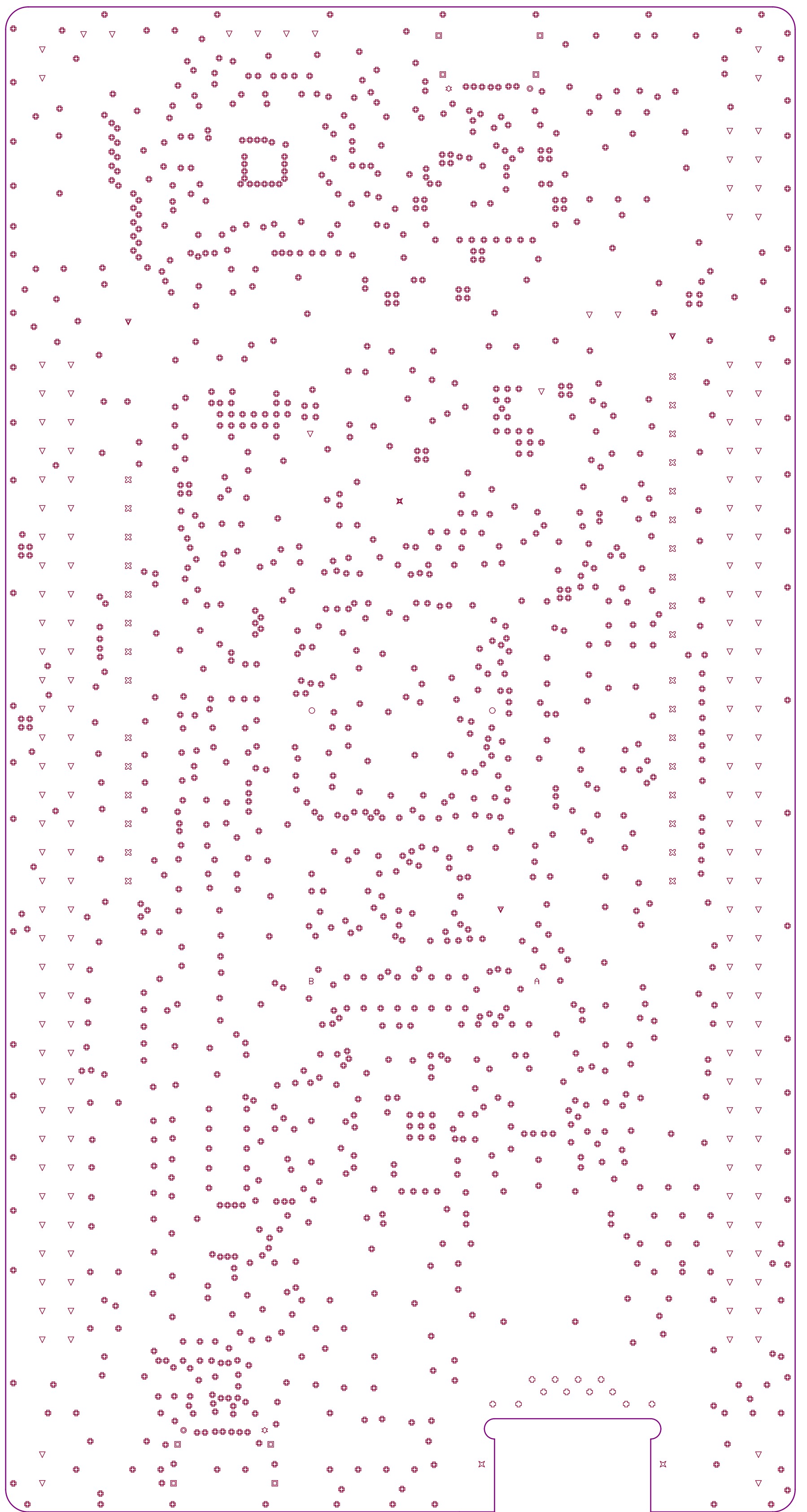
- A. MATERIAL : FR-4 ☐ TG-170 ☒ TG-150 ☐ TG-140
- B. MATERIAL FAMILY : N/A
- C. SOLDERMASK COLOR : ☐ GREEN ☒ WHITE ☐ RED ☐ BLACK
- D. SILKSCREEN COLOR : ☐ WHITE ☐ YELLOW ☐ BLACK ☒ Blue ink PANTONE 2955
- E. SURFACE FINISH : ☒ ENIG ☐ IMMERSION SILVER ☐ IMMERSION TIN
- ☐ HASL ☐ HASL (PB-FREE) ☐ GOLDEN FINGER
- ☒ IMPEDANCE CONTROL : ☐ NO ☒ YES (SEE IMPEDANCE TABLE FOR DETAIL INFORMATION)
- G. THROUGH VIA : PLUG THE VIAS WHICH ARE COVERED WITH SOLDERMASK ONE OR TWO SIDE.
PLUG MATERIAL : ☒ SOLDERMASK ☐ NON-CONDUCTIVE EPOXY.
- ☒ STACK-UP : 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	Board Layer Stack
	Top Overlay					
	Top Solder	Solder Resist	0,59mil	3.5		
1	Top Layer		1,65mil			
	Dielectric 1	FR-4	3,54mil	4.2		
2	Signal Layer 1		1,38mil			
	Dielectric 2	FR-4	3,94mil	4.2		
3	Signal Layer 2		1,38mil			
	Dielectric 3	FR4	38,03mil	4.2		
4	Signal Layer 3		1,38mil			
	Dielectric4	FR-4	3,94mil	4.2		
5	Signal Layer 4		1,38mil			
	Dielectric5	FR-4	3,54mil	4.2		
6	Bottom Layer		1,65mil			
	Bottom Solder	Solder Resist	0,59mil	3.5		
	Bottom Overlay					

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template	Hole Length	Routed Path Length
	8	0.500mm (19.69mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r140_80h50_110r40m150_90	1.100mm (43.31mil)	0.600mm (23.62mil)
	2	0.650mm (25.59mil)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c0hn65m10	-	-
	2	0.650mm (25.59mil)	NPTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	c0hn65_95m10	0.950mm (37.40mil)	0.300mm (11.81mil)
	12	0.700mm (27.56mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)	-	-
	2	0.700mm (27.56mil)	PTH	Slot	Top Layer - Bottom Layer	Pad	Rounded	r280_130h70_220r65m290_140	2.200mm (86.61mil)	1.500mm (59.06mil)
	166	1.000mm (39.37mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	(Mixed)	-	-
	32	1.100mm (43.31mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	(Mixed)	-	-
	1	1.150mm (45.28mil)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c0hn115m10	-	-
	2	1.500mm (59.06mil)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c0hn150m160(Tol3-3)	-	-
	1	1.650mm (64.96mil)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c0hn165m10	-	-
	3	3.200mm (125.98mil)	NPTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c320hn320	-	-
	1	4.150mm (163.39mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c600h415m610	-	-
	1373	0.350mm (13.78mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v55h35m0mx0(1)	-	-
	1605 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

Project: NUCLEO-H5E5ZJ

Layer: Drill Drawing

Gerber: .DRL

Variant: [No Variations]

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Date: 01 October 2025

Rev: D

