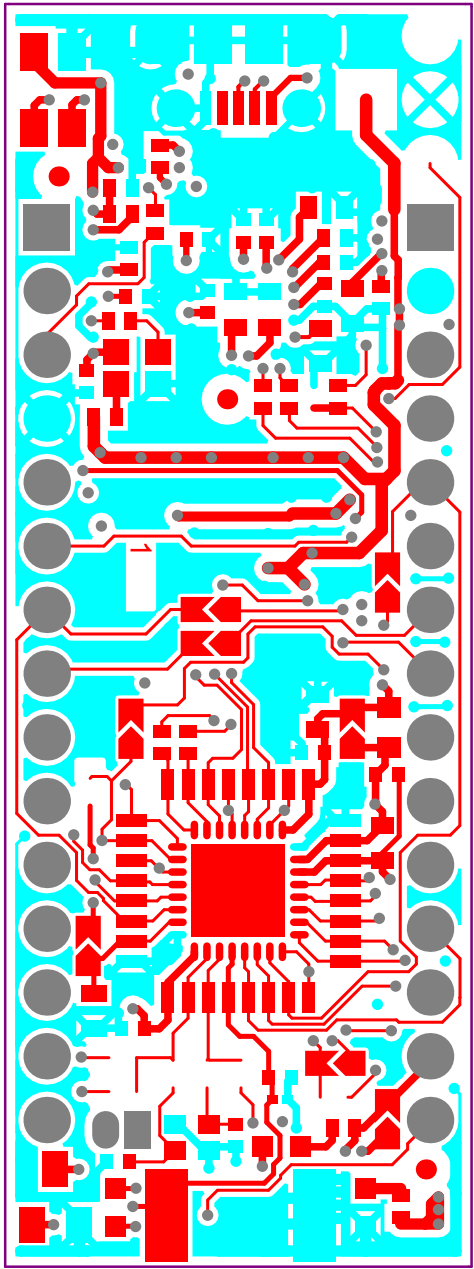


Top Overlay



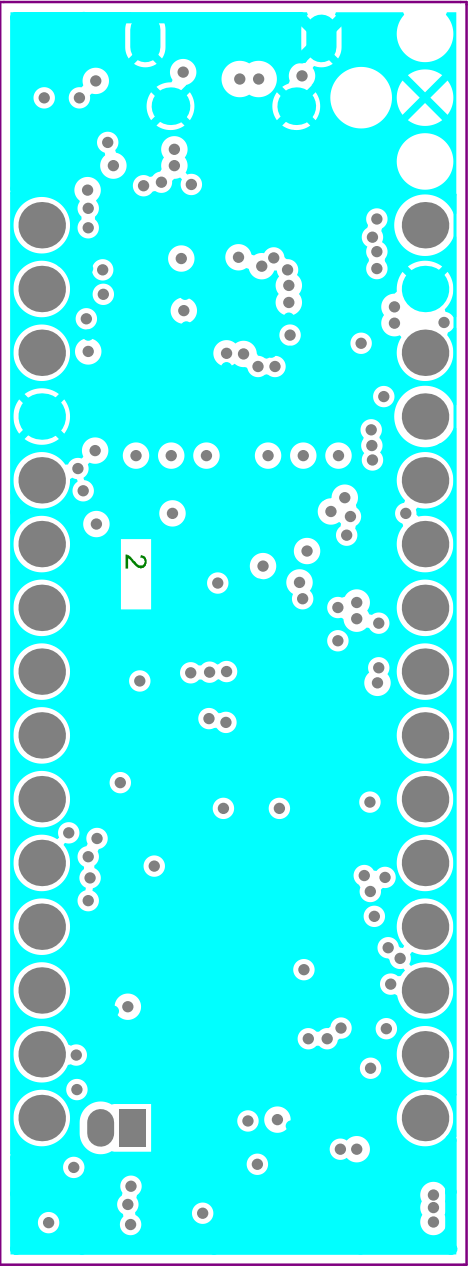
Top Solder

.GTS



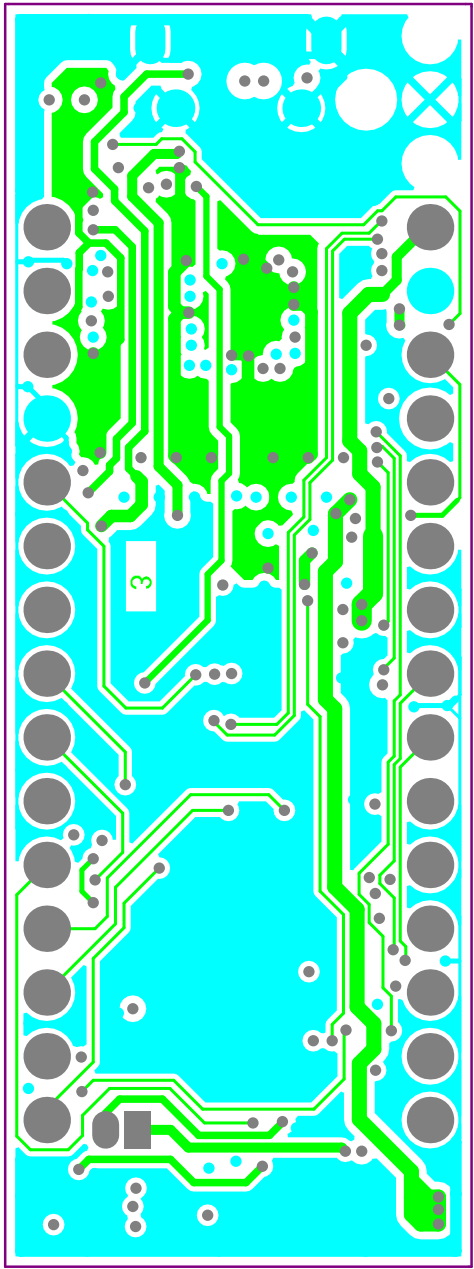
Top Layer

.GTL



Signal Layer 1

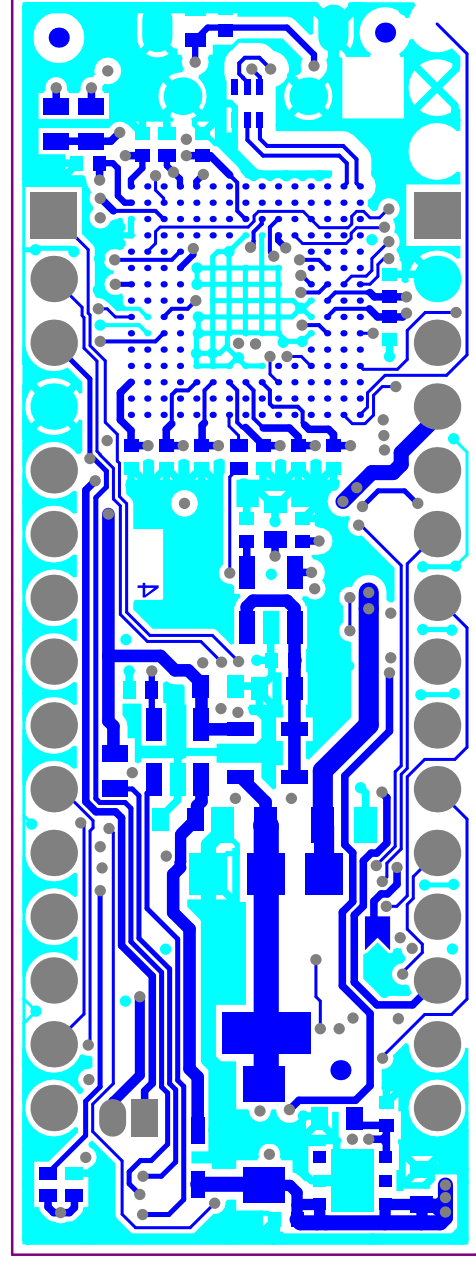
.G1



Signal Layer 2

.G2

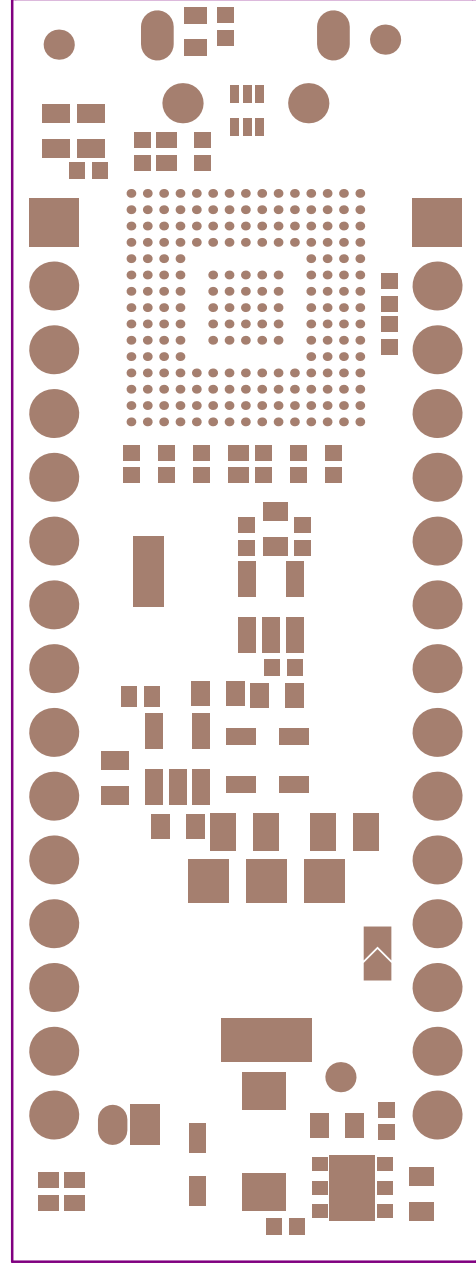
Bottom Layer



.GBL

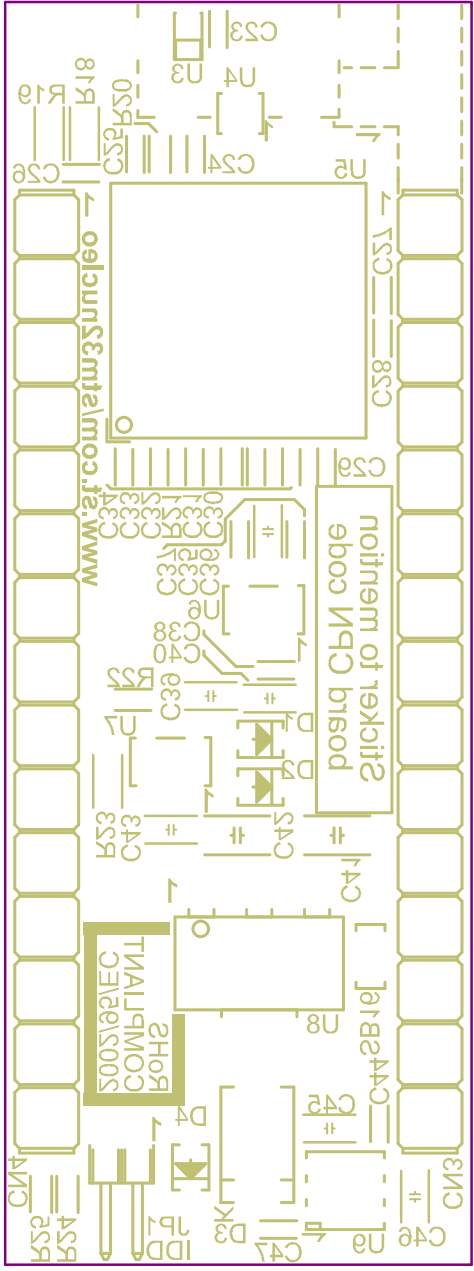
Bottom Solder

.GB2



Bottom Overlay

.GBO



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

☐ RED

☐ BLACK

☐ WHITE

☐ YELLOW

☐ BLACK

☒ Blue ink PANTONE 2955

☒ 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.

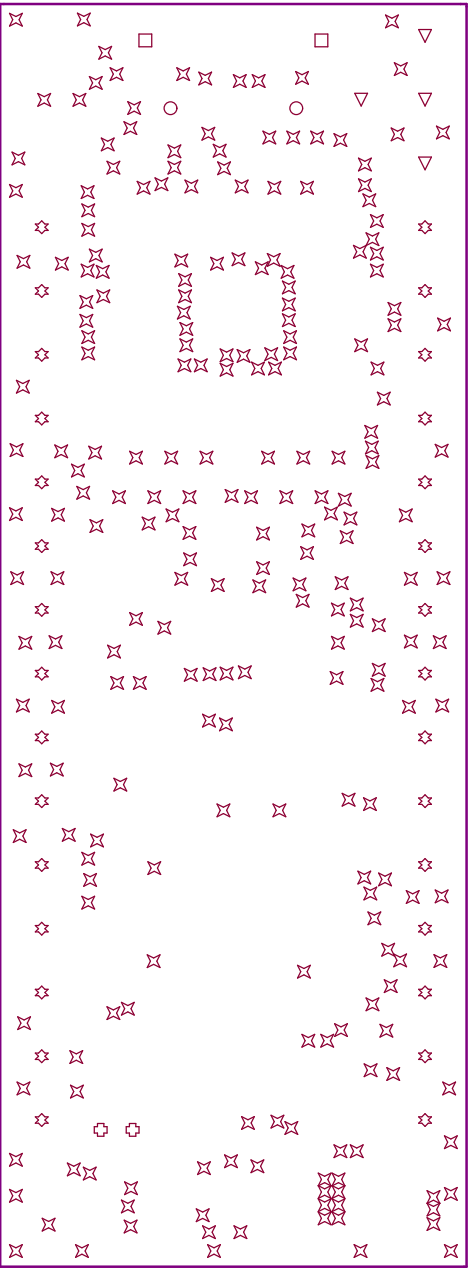
**Plating type :

lead Gold

PCB : TYPE 3
ASPECT-RATIO, AXE Z : 6:1 to 8:1 LEVEL "B"
MINIMUN PARAMETERS
DEFAULT TRACKS : 0.120mm GAPS : 0.120mm

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Hole Length	Routed Path Length
✕	241	0,200mm (7,87mil)	PTH	Round	Top Layer - Bottom Layer	-	-
□	2	0,600mm (23,62mil)	PTH	Slot	Top Layer - Bottom Layer	1,300mm (51,18mil)	0,700mm (27,56mil)
⊕	2	0,800mm (31,50mil)	PTH	Round	Top Layer - Bottom Layer	-	-
○	2	0,900mm (35,43mil)	PTH	Round	Top Layer - Bottom Layer	-	-
▽	4	1,000mm (39,37mil)	PTH	Round	Top Layer - Bottom Layer	-	-
☆	30	1,100mm (43,31mil)	PTH	Round	Top Layer - Bottom Layer	-	-
	281 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



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	PP-IT-180A	0,106mm	4,2	
5	Signal Layer 1	Copper	0,035mm		
6	Dielectric 2	FR4	1,248mm	4,2	
7	Signal Layer 2	Copper	0,035mm		
8	Dielectric 3	PP-IT-180A	0,106mm	4,2	
9	Bottom Layer	Copper	0,042mm		
10	Bottom Solder	Solder Resist	0,015mm	3,5	
11	Bottom Overlay				

IMPEDANCE TABLE					
LAYER	TRACE (mm)	SPACING (mm)	IMPEDANCE (Single ended)	IMPEDANCE (Differentiel)	TOL.
TOP	0.160	0.226	NA	90 ohm	+/- 10%

Board Stack Report

Stack Up		Layer Stack			
Layer	Board Layer Stack	Name	Material	Thickness	Constant
1		Top Paste			
2		Top Overlay			
3		Top Solder	Solder Resist	0,015mm	3,5
4		Top Layer	Copper	0,042mm	
5		Dielectric 1	PP-IT-180A	0,106mm	4,2
6		Signal Layer 1	Copper	0,035mm	
7		Dielectric 2	FR4	1,248mm	4,2
8		Signal Layer 2	Copper	0,035mm	
9		Dielectric 3	PP-IT-180A	0,106mm	4,2
10		Bottom Layer	Copper	0,042mm	
11		Bottom Solder	Solder Resist	0,015mm	3,5
12		Bottom Overlay			
13		Bottom Paste			

Height : 1,644mm