

PCB TECHNOLOGY

1	WIDTH	125.00mm
2	LENGTH	70.00mm
3	BOARD THICKNESS	1.60mm
4	NUMBER OF LAYERS	4
5	LAMINATE MATERIAL	FR4
6	MIN. TRACE/SPACING	0.15mm
7	MINIMUM DRILL SIZE	0.20mm
8	SOLDERMASK	Top/Bot.
9	LEGEND/SILK	Top, Bot / White
10	SURFACE FINISH	ENIG
11	PATTERN CLASS	5
12	RATIO (Thi./Drill)	8
13	VIA DIAMETER	0.45mm
14	VIA DRILL	0.20mm

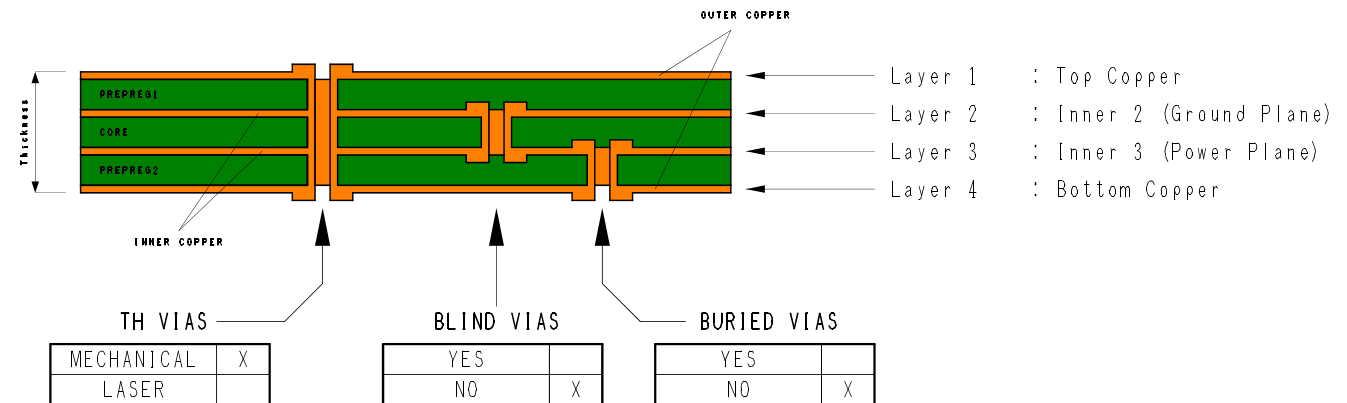
PCB MANUFACTURING

22	PCB PANELIZATION	Yes
23	BREAKOUT PIPS	No
24	VCUT	Yes
25	TOOL AREA (BAR/FRAME)	Yes
26	TOOLING HOLE/FIDUCIALS	Yes
27	TESTING	Yes

PCB STACK UP

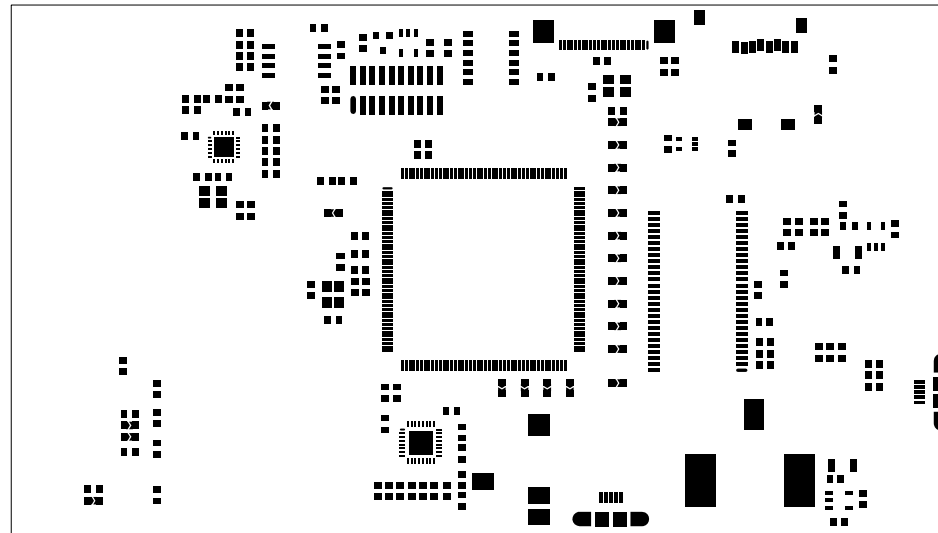
THICKNESS

14	L1 Cu	35.00um
15	PREPREG1	130.00um
16	L2 Cu	17.50um
17	CORE	1165.00um
18	L3 Cu	17.50um
19	PREPREG2	130.00um
20	L4 Cu	35.00um
21	TOTAL Thickness	1570.00um



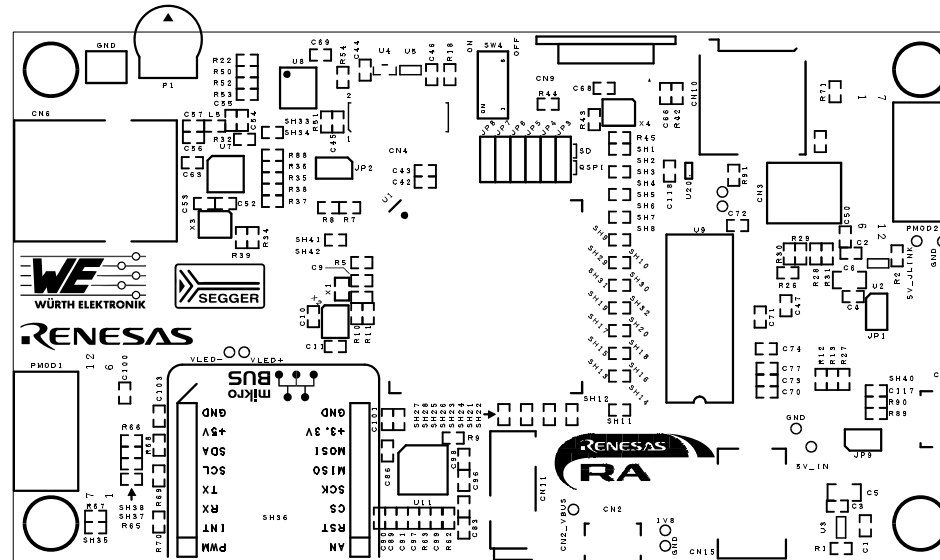
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26
	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26
	REFERENCE	VERSION	REV.		LAYER	UPDATED ON		SIZE	SHEET	
	REN0001.2002	V1.0			PCB Specification	2021.02.26		A4	1 OF 14	



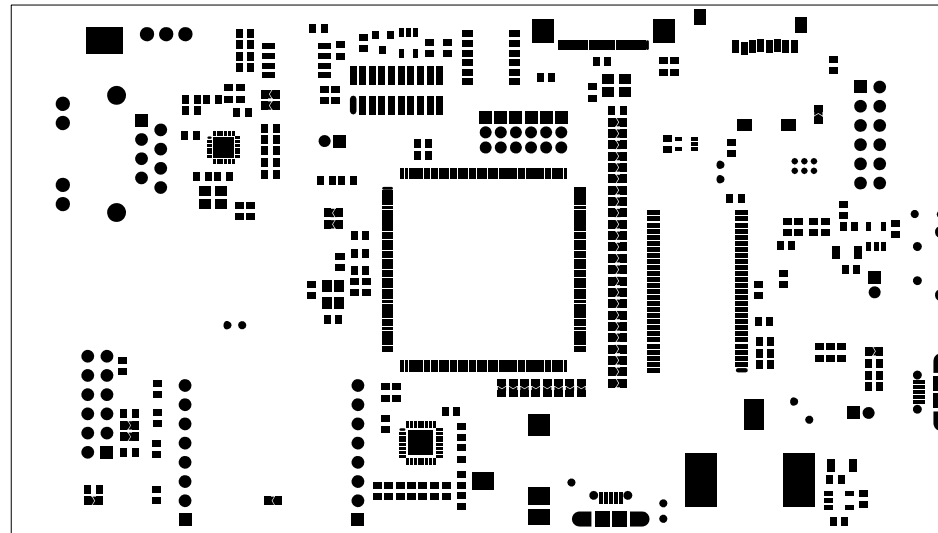
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	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET		
	REN0001.2002	V1.0			Top Solderpaste	2021.02.26	A4	2 OF 14		



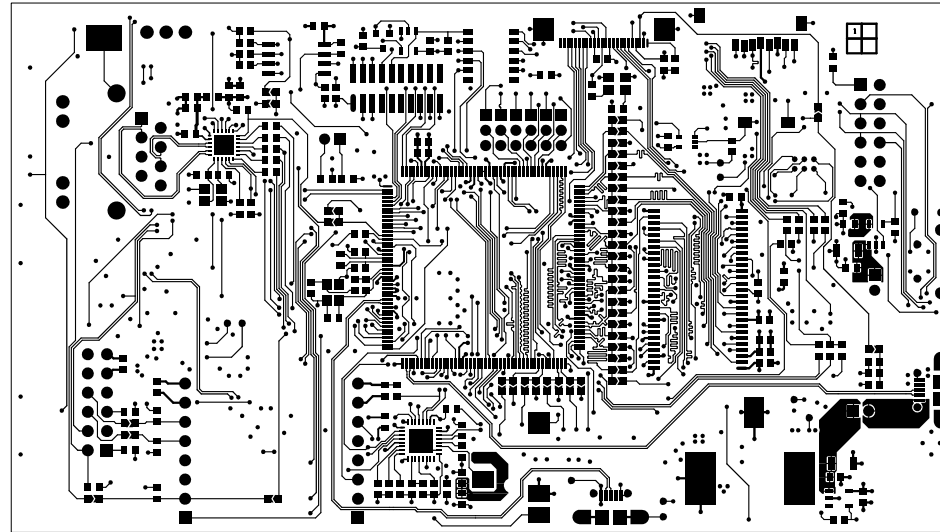
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	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26	
 m13design		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			Top Silkscreen			2021.02.26	A4	3 OF 14



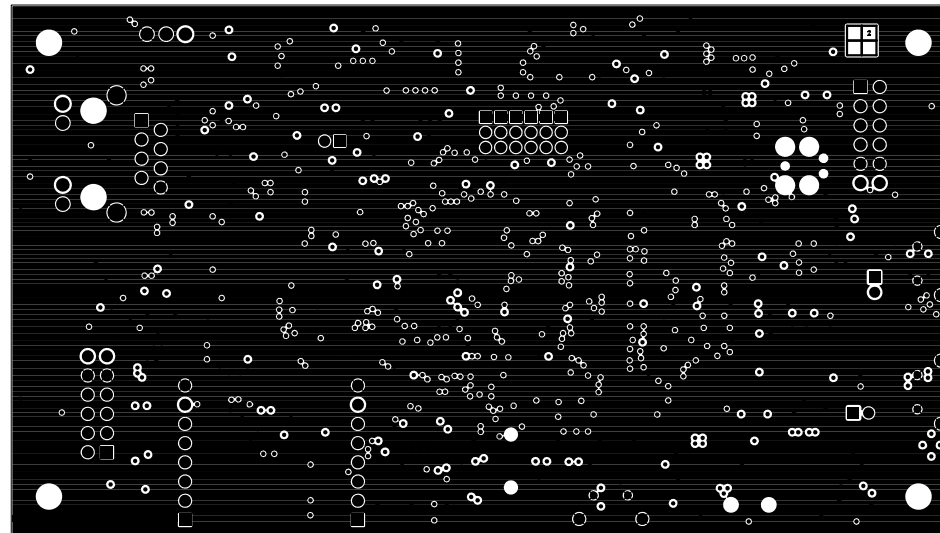
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	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26	
		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			Top Soldermask (Solder Resist)			2021.02.26	A4	4 OF 14



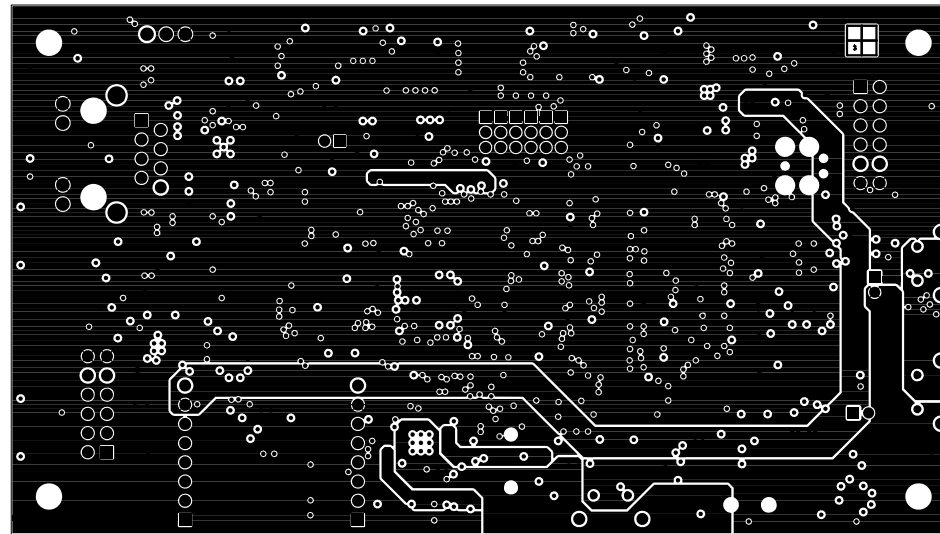
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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26
	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26
	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET		
	REN0001.2002	V1.0			L1 : Top Copper	2021.02.26	A4	5 OF 14		



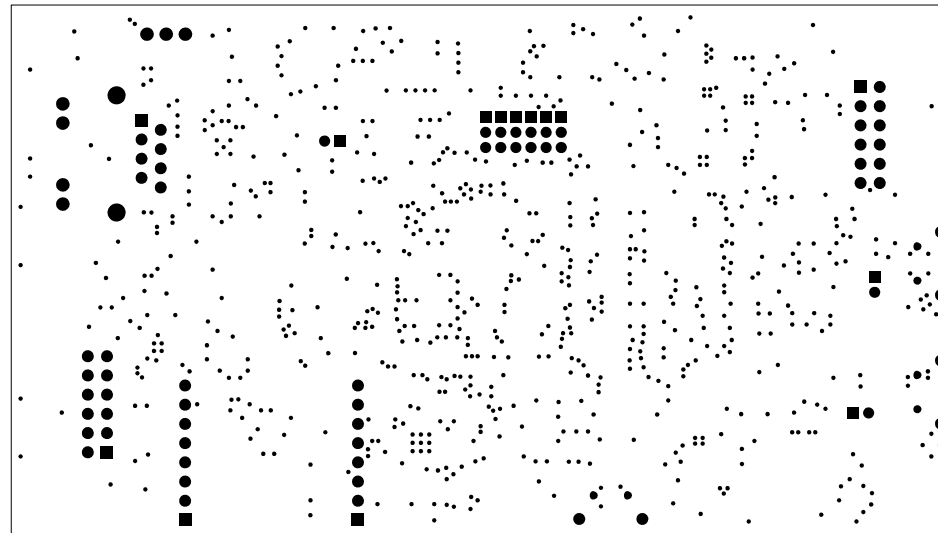
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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26	
	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26	
		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			L2 : Inner Copper Layer 2			2021.02.26	A4	6 OF 14



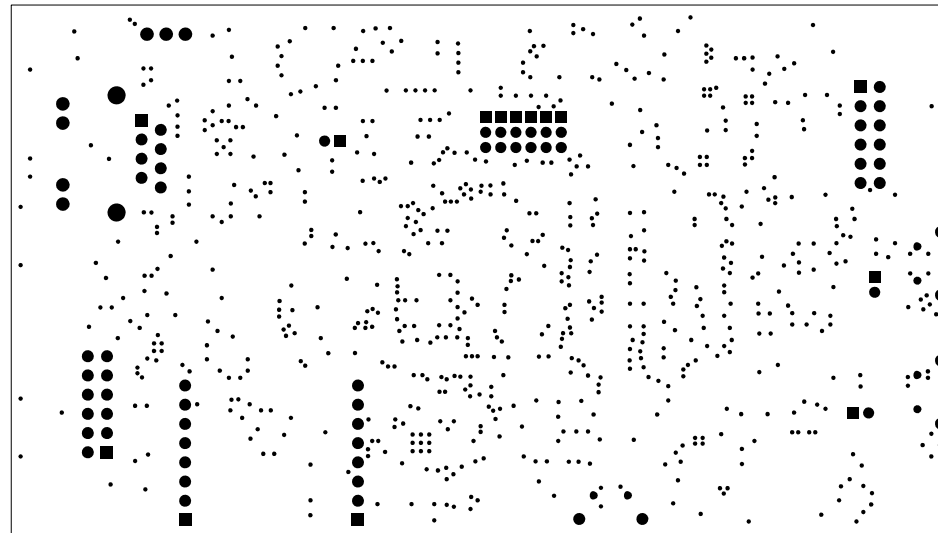
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	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26
	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET		
	REN0001.2002	V1.0			L3 : Inner Copper Layer 3	2021.02.26	A4	7 OF 14		



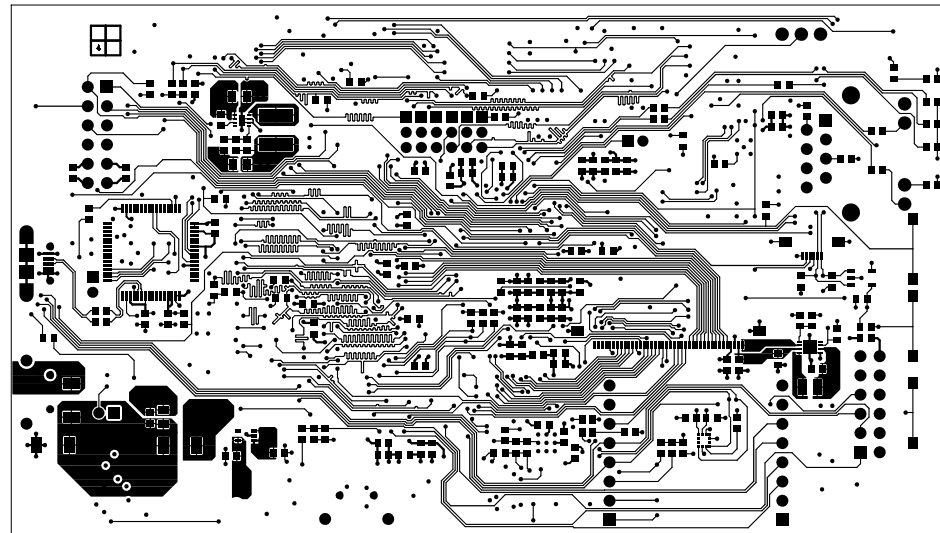
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	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26	
 m13design		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			L4 : Inner Signal			2021.02.26	A4	8 OF 14



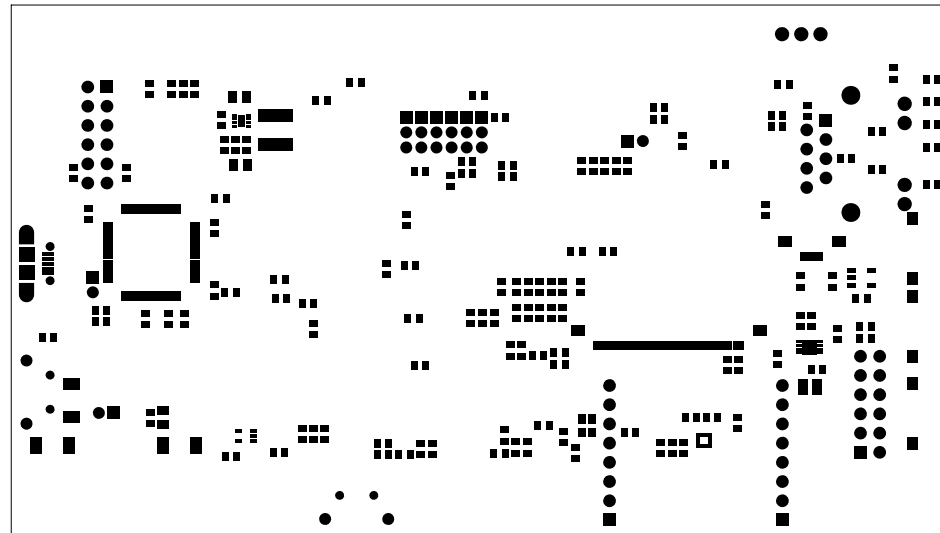
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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26	
	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26	
 m13design		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			L4 : Inner Signal			2021.02.26	A4	8 OF 14



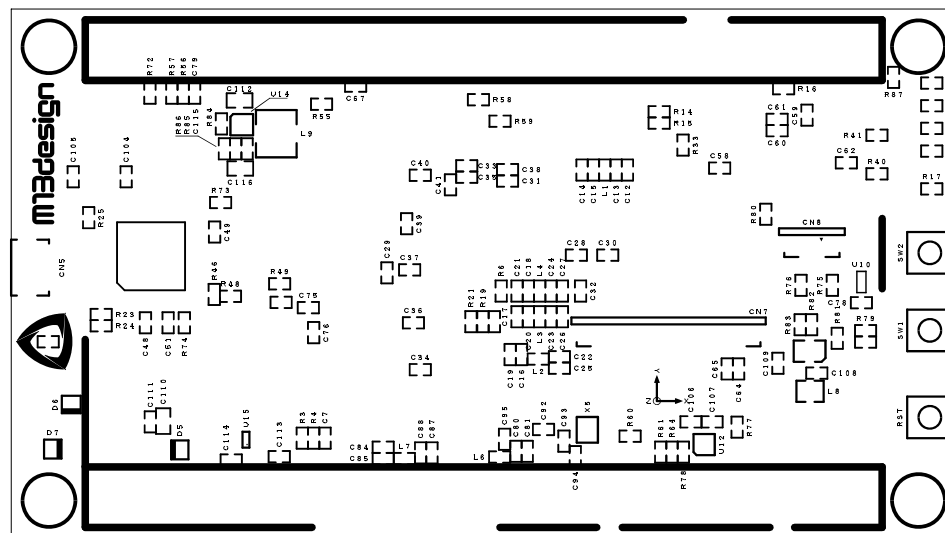
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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26	
	1:1	REMARKS	Bottom view				APPROVED BY	TONY P.	DATE	2021.02.26	
		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			L6 : Bottom Copper			2021.02.26	A4	10 OF 14



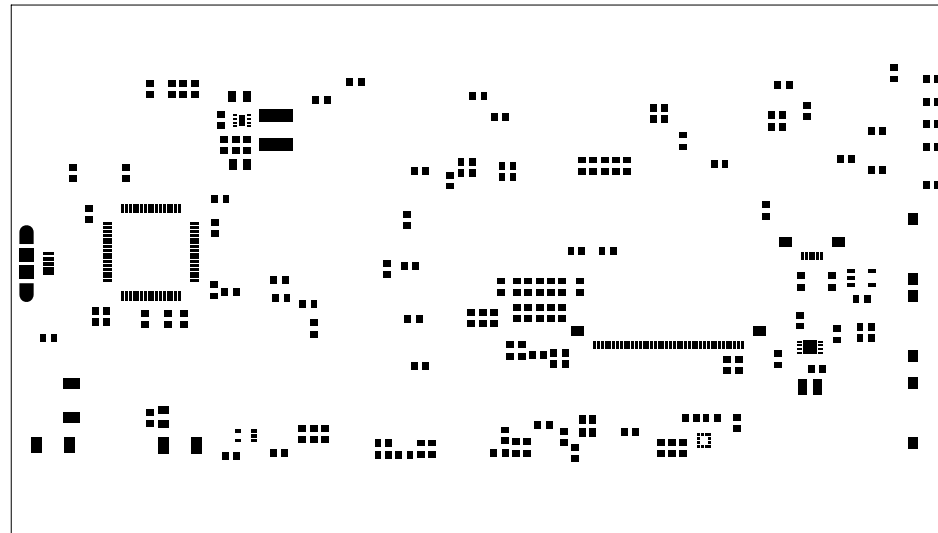
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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26	
	1:1	REMARKS	Bottom view				APPROVED BY	TONY P.	DATE	2021.02.26	
		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			Bottom SolderResist			2021.02.26	A4	9 OF 14



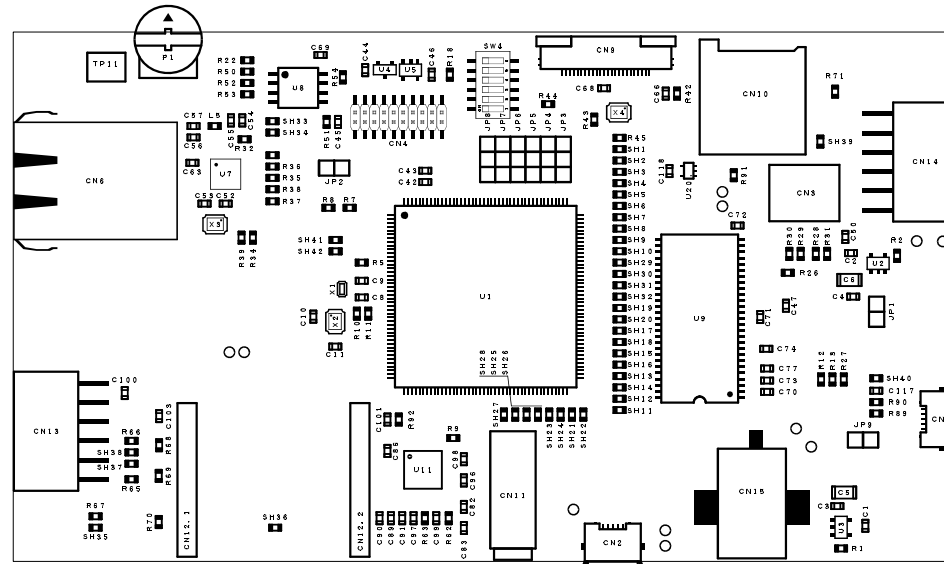
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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26
	1:1	REMARKS	Bottom view				APPROVED BY	TONY P.	DATE	2021.02.26
 M13design	REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
	REN0001.2002	V1.0			Bottom Silkscreen			2021.02.26	A4	10 OF 14



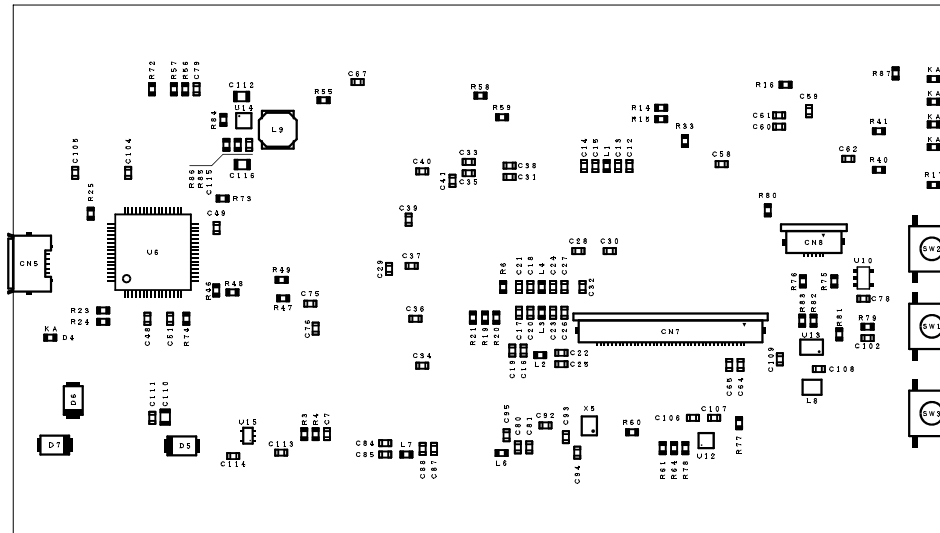
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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26
	1:1	REMARKS	Bottom view				APPROVED BY	TONY P.	DATE	2021.02.26
 M13design	REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
	REN0001.2002	V1.0			Bottom SolderPaste			2021.02.26	A4	11 OF 14



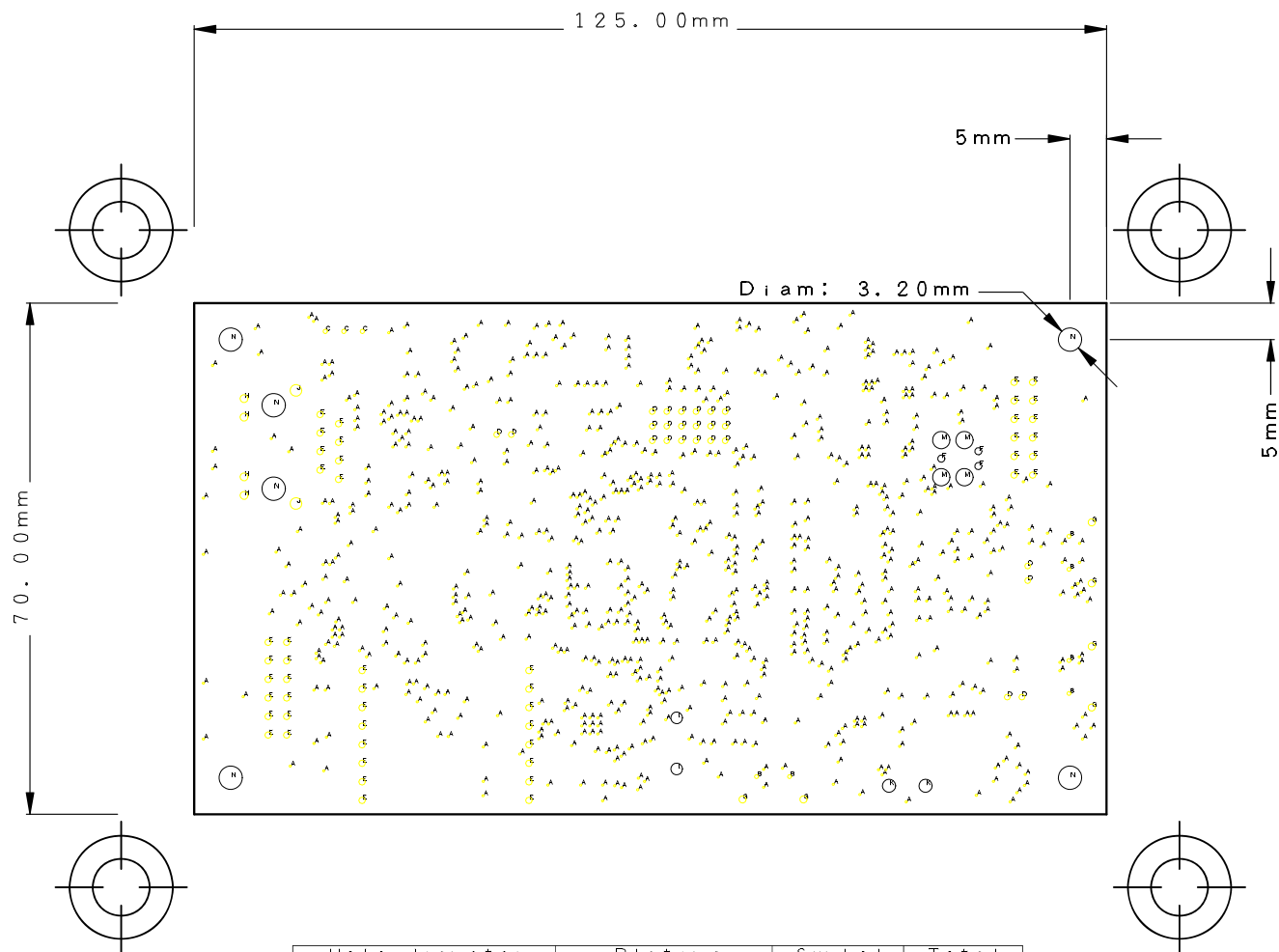
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	1:1	REMARKS	Remarks				APPROVED BY	TONY P.	DATE	2021.02.26
	REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
	REN0001.2002	V1.0			Top Component Location			2021.02.26	A4	12 OF 14



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	SCALE	PROJECT	M13-RA6M3-EK				DRAWN BY	PATRICK S.	DATE	2021.02.26	
	1:1	REMARKS	Bottom view				APPROVED BY	TONY P.	DATE	2021.02.26	
		REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
		REN0001.2002	V1.0			Bottom Components Location			2021.02.26	A4	13 OF 14



Hole diameter	Plating	Symbol	Total
0.300	Plated	A	755
0.550	Plated	B	6
0.600	Plated	C	3
0.800	Plated	D	24
0.900	Plated	E	48
1.000	Non plated	F	3
1.000	Plated	G	6
1.100	Plated	H	4
1.600	Non plated	I	2
1.600	Plated	J	2
1.800	Non plated	K	2
2.375	Non plated	M	4
3.200	Non plated	N	6

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	REFERENCE	VERSION	REV.		LAYER			UPDATED ON	SIZE	SHEET
	REN0001.2002	V1.0			Drill & Dimension			2021.02.26	A4	14 OF 14