

PCB TECHNOLOGY

1	WIDTH	125.00mm
2	LENGTH	70.00mm
3	BOARD THICKNESS	1.60mm
4	NUMBER OF LAYERS	6
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

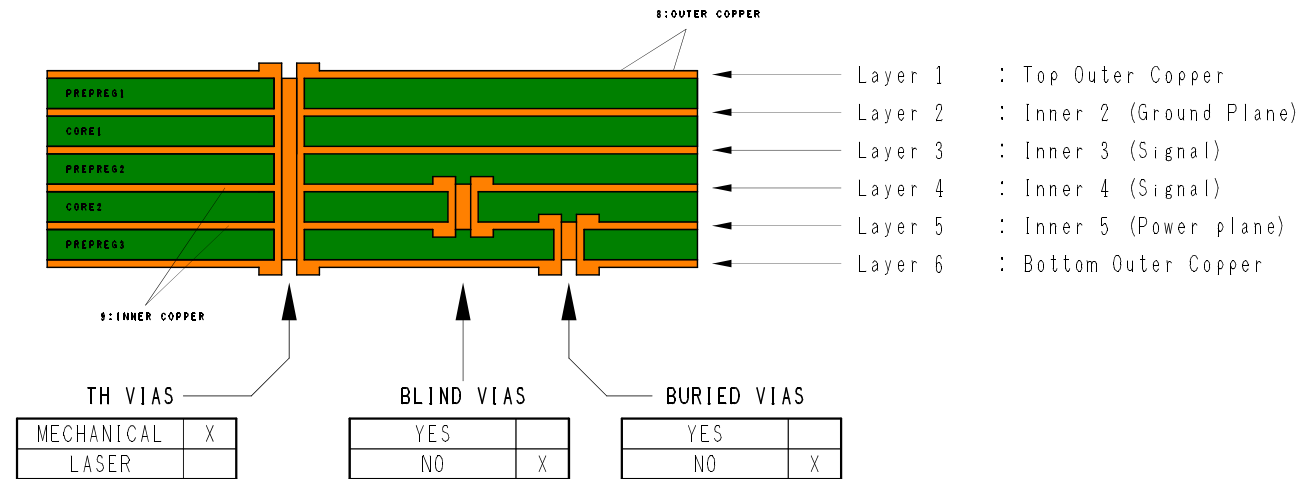
PCB MANUFACTURING

PCB PANELIZATION	Yes
BREAKOUT PIPS	No
VCUT	Yes
TOOL AREA (BAR/FRAME)	Yes
TOOLING HOLE/FIDUCIALS	Yes
TESTING	Yes
CHAMFER EDGE	No
GOLD FINGER	No


PCB STACK UP

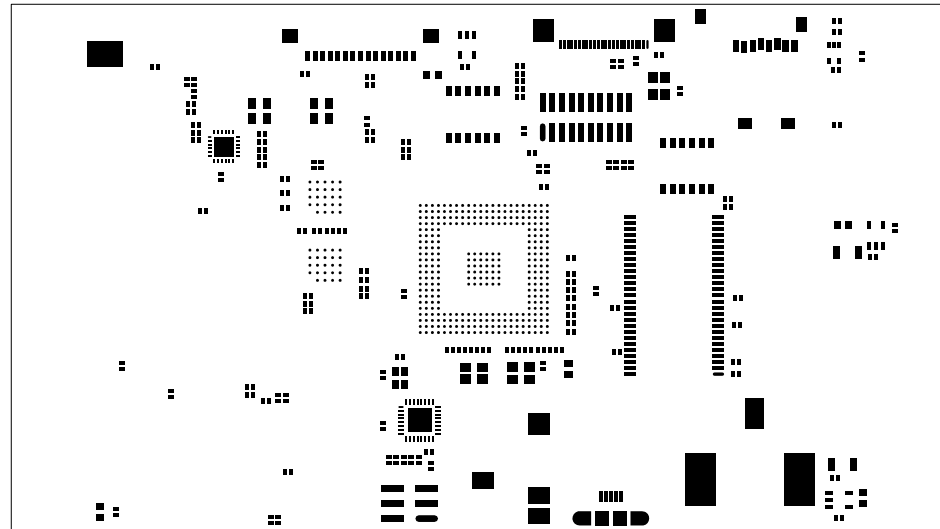
THICKNESS

L1 Cu	35.00um
PREPREG1	130.00um
L2 Cu	17.50um
CORE1	500.00um
L3 Cu	17.50um
PREPREG2	195.00um
L4 Cu	17.50um
CORE2	500.00um
L5 Cu	17.50um
PREPREG3	130.00um
L6 Cu	35.00um




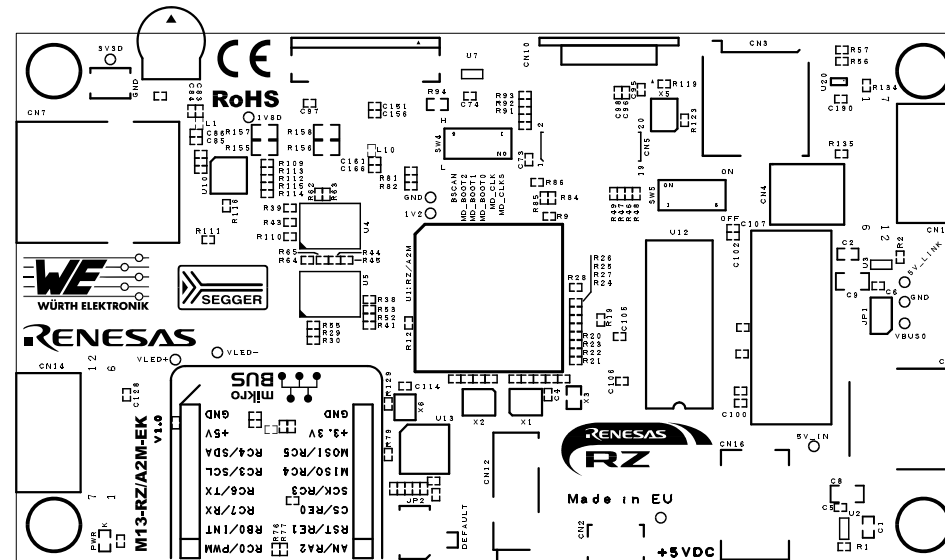
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

SCALE	PROJECT	M13-RZ/A2M-EK			DRAWN BY	PATRICK S.	DATE	2020.12.01
	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE
	REFERENCE	VERSION	REV.	LAYER	UPDATED ON	SIZE	SHEET	
	REN001.1802	V1.0		PCB Specification	2020.12.01	A4	1 OF 16	



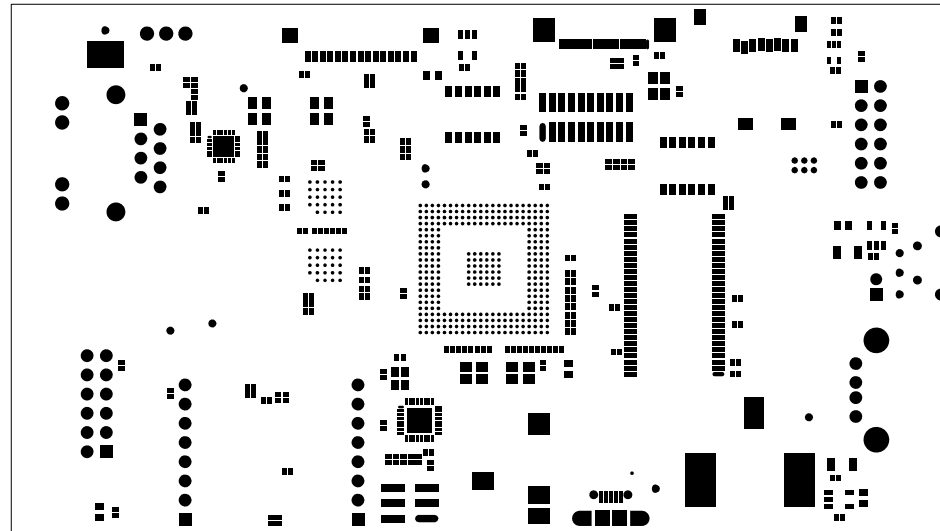
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN0001.1802	V1.0			Top Solderpaste	2020.12.01	A4	2 OF 16	




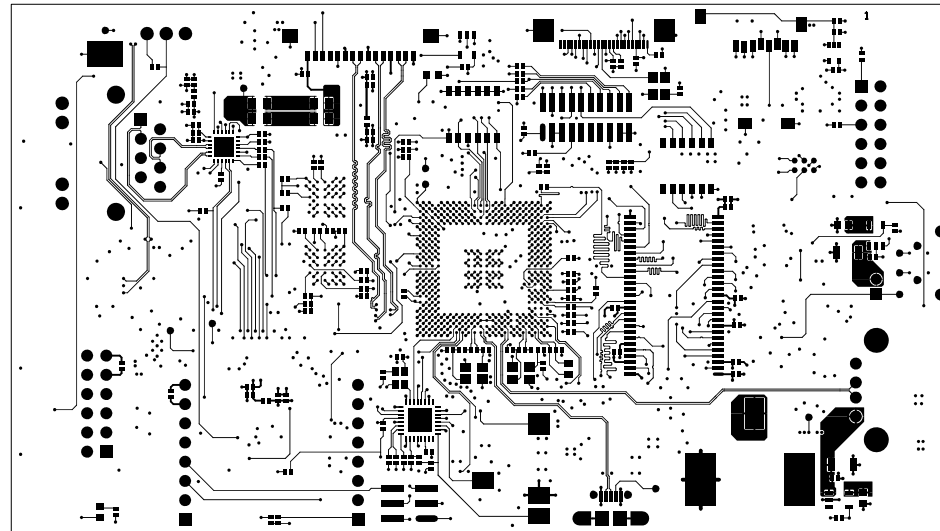
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER		UPDATED ON	SIZE	SHEET
	REN001.1802	V1.0			Top Silkscreen		2020.12.01	A4	3 OF 16




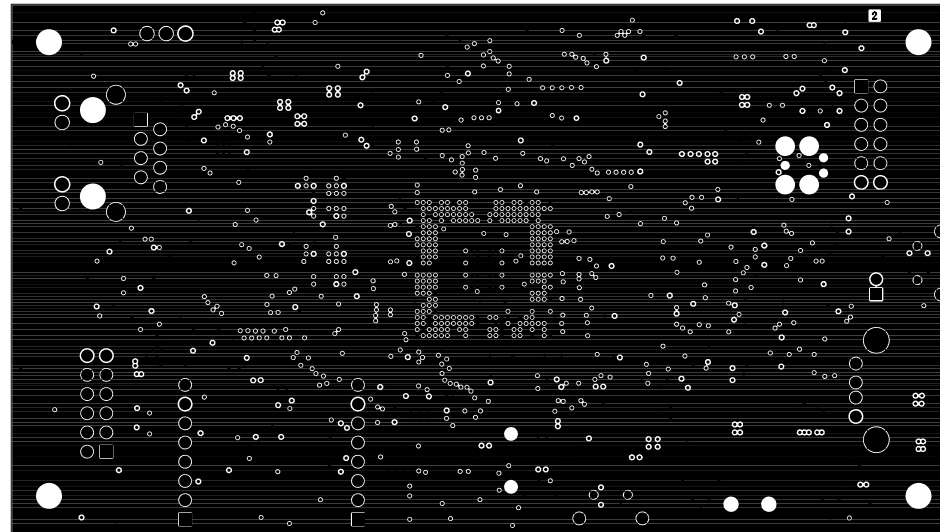
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN0001.1802	V1.0			Top Soldermask (Solder Resist)	2020.12.01	A4	4 OF 16	




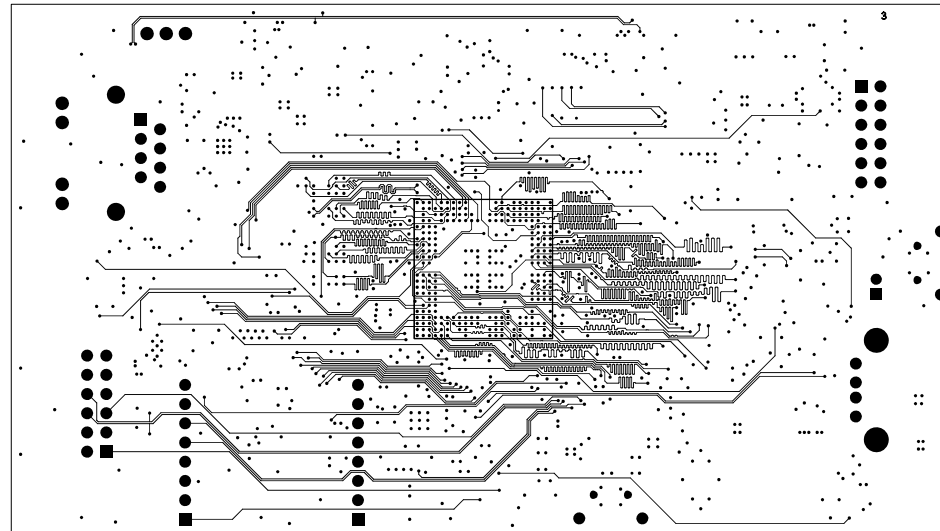
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN001.1802	V1.0			L1 : Top Copper	2020.12.01	A4	5 OF 16	




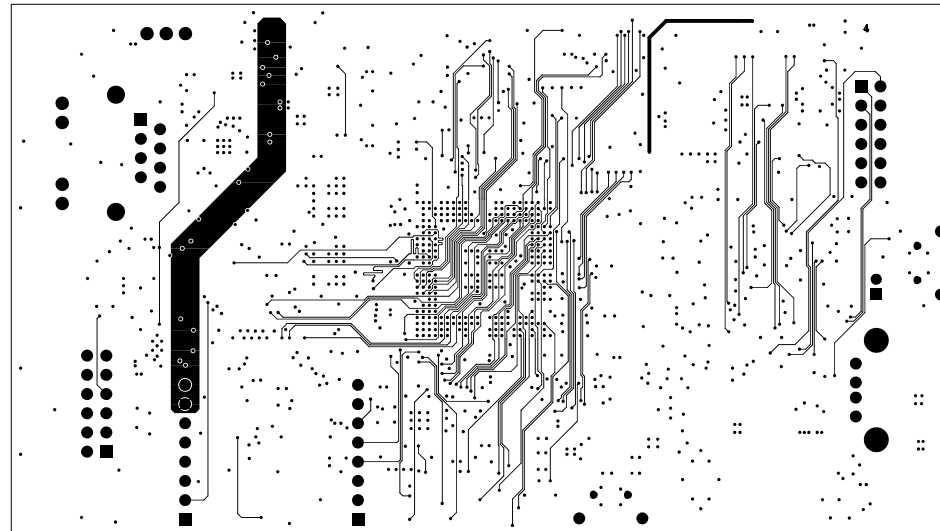
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN001.1802	V1.0			L2 : Inner Copper GND	2020.12.01	A4	6 OF 16	




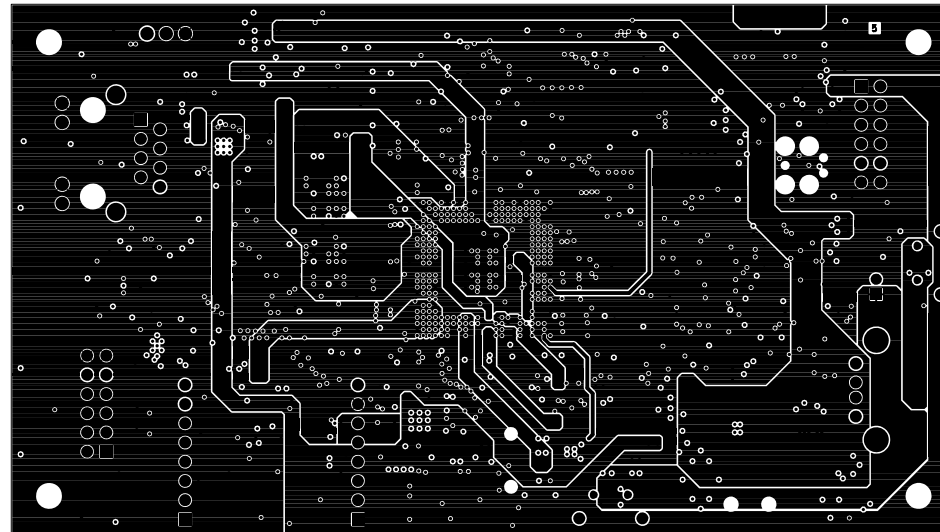
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN001.1802	V1.0			L3 : Inner Signal	2020.12.01	A4	7 OF 16	




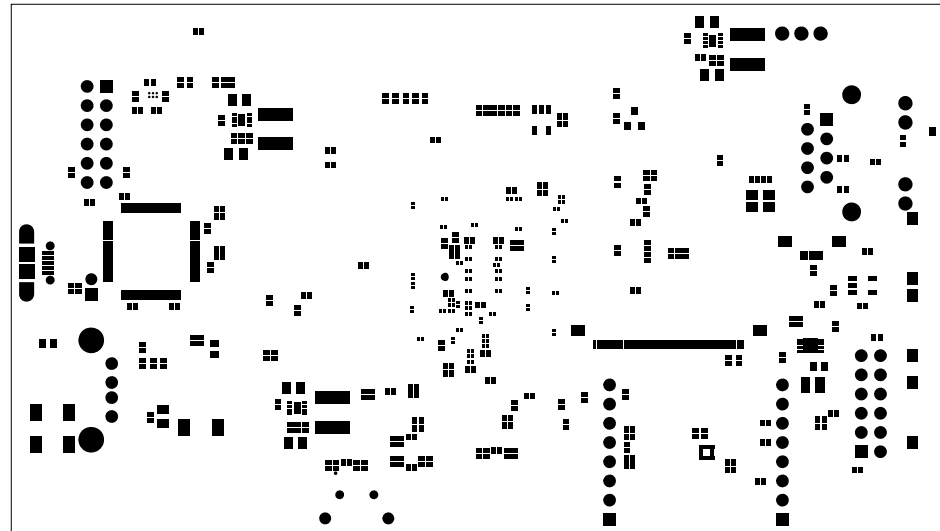
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN001.1802	V1.0			L4 : Inner Signal	2020.12.01	A4	8 OF 16	




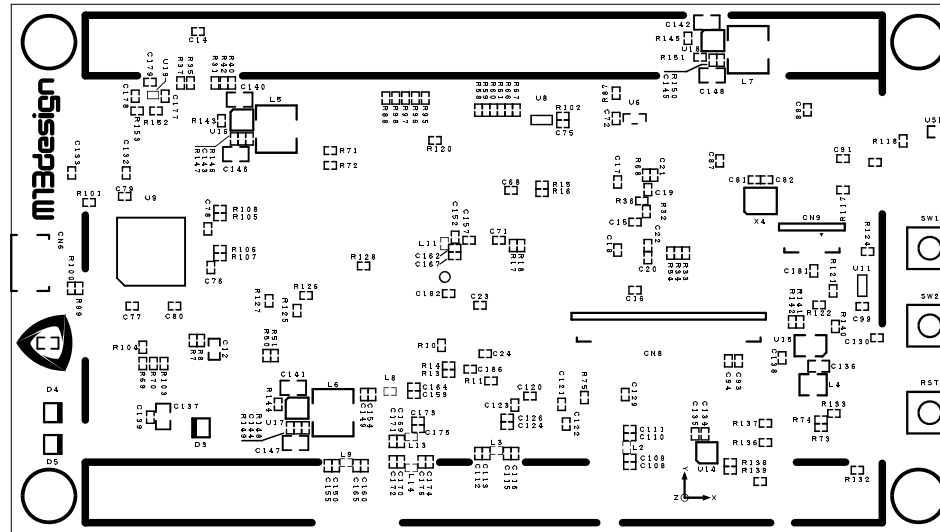
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	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
 M13design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN001.1802	V1.0			L5 : Inner PWR	2020.12.01	A4	9 OF 16	




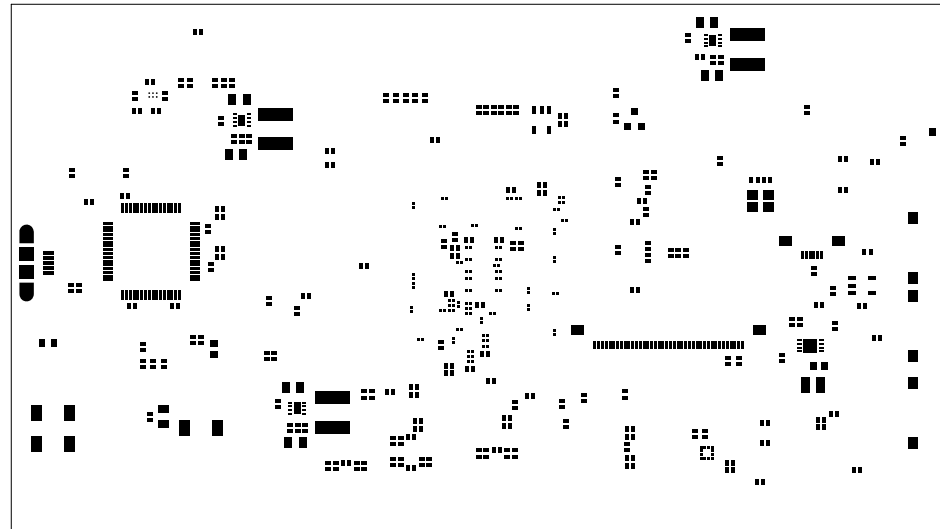
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

	SCALE	PROJECT	Project Name				DRAWN BY	PATRICK S.	DATE	2020.12.01
	1:1	REMARKS	(Bottom view)				APPROVED BY	TONY P.	DATE	2020.12.01
 M3design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET		
	REN001.1802	V1.0			Bottom SolderResist	2020.12.01	A4	11 OF 16		




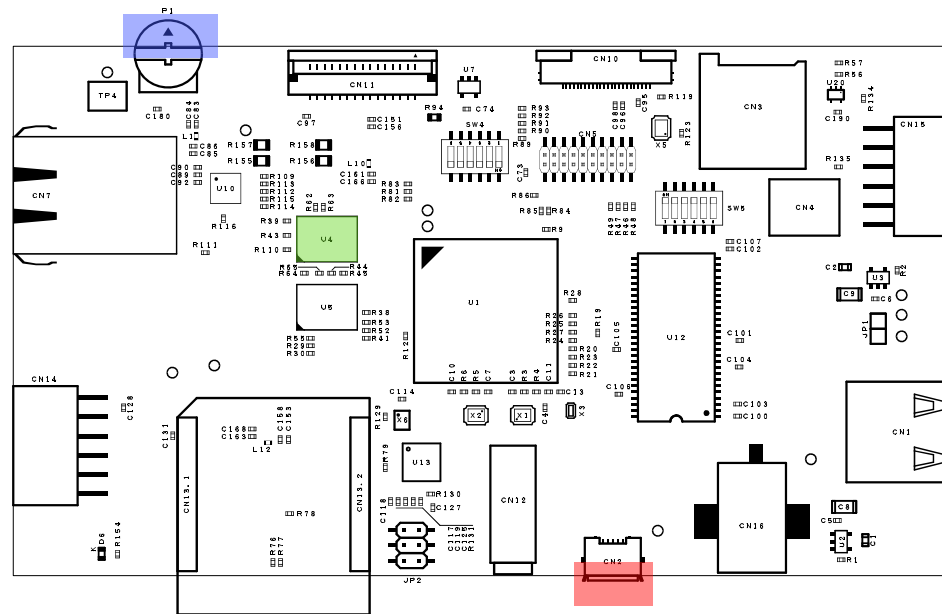
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	SCALE	PROJECT	Project Name			DRAWN BY	PATRICK S.	DATE	2020.12.01
	1:1	REMARKS	(Bottom view)			APPROVED BY	TONY P.	DATE	2020.12.01
 M3design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET	
	REN001.1802	V1.0			Bottom Silkscreen	2020.12.01	A4	12 OF 16	



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS


	SCALE	PROJECT	Project Name				DRAWN BY	PATRICK S.	DATE	2020.12.01
	1:1	REMARKS	(Bottom view)				APPROVED BY	TONY P.	DATE	2020.12.01
 M3design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON	SIZE	SHEET		
	REN0001.1802	V1.0			Bottom SolderPaste	2020.12.01	A4	13 OF 16		

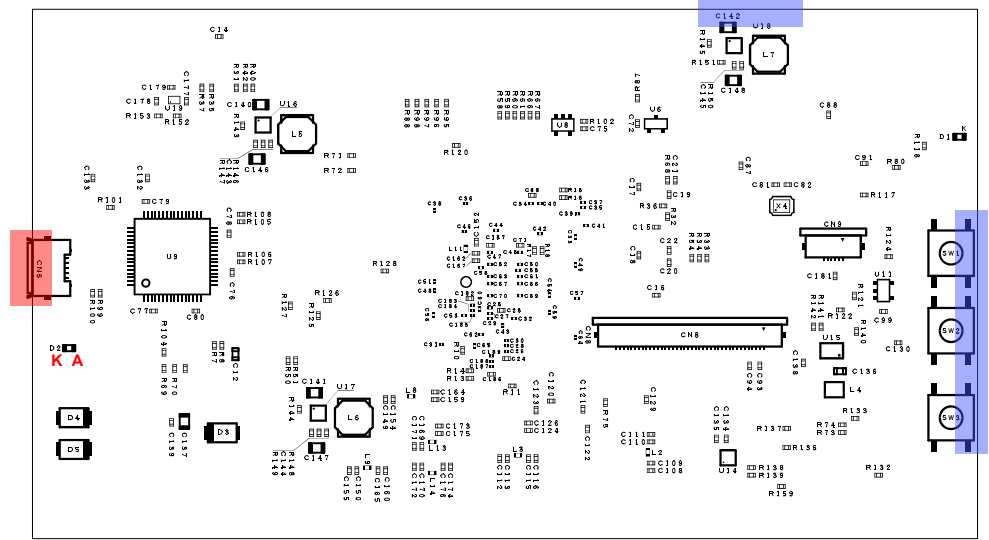


Forbidden area for breakout pips

Area where gap is needed between PCB and Panel Frame


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

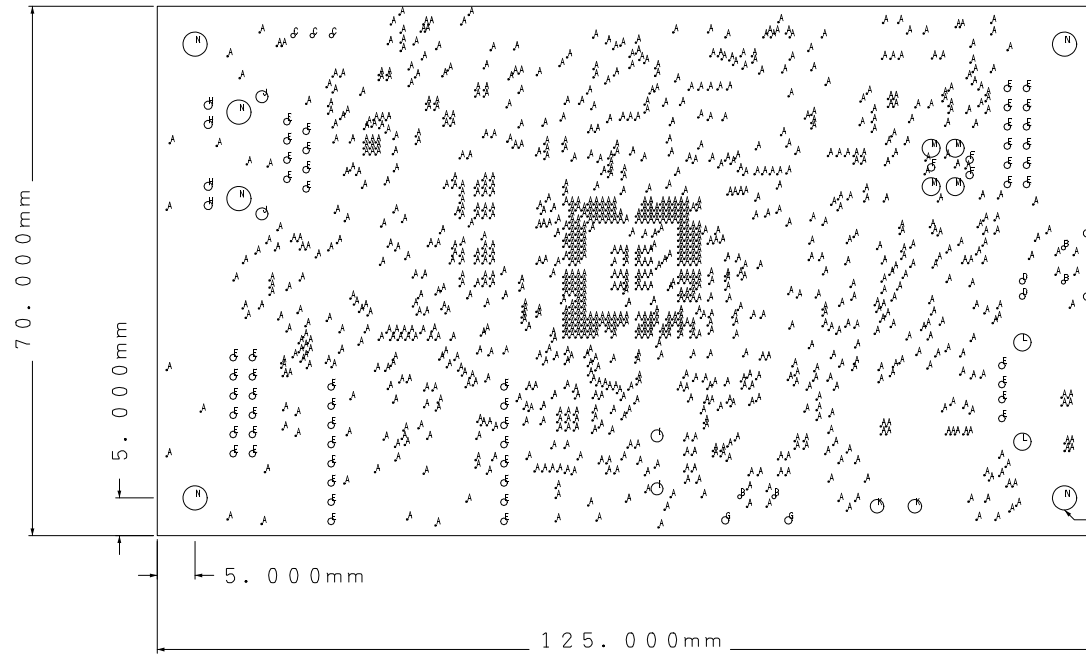
	SCALE	PROJECT	M13-RZ/A2M-EK			DRAWN BY	PATRICK S.	DATE	2020.12.01
	1:1	REMARKS	Remarks			APPROVED BY	TONY P.	DATE	2020.12.01
	REFERENCE	VERSION	REV.		LAYER		UPDATED ON	SIZE	SHEET
	REN0001.1802	V1.0			Top Component Location		2020.12.01	A4	14 OF 16



■ Forbidden area for breakout pips
■ Area where gap is needed between PCB and Panel Frame

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

	SCALE	PROJECT	Project Name				DRAWN BY	PATRICK S.	DATE	2020.12.01
	1:1	REMARKS	(Bottom view)				APPROVED BY	TONY P.	DATE	2020.12.01
 M3design	REFERENCE	VERSION	REV.		LAYER	UPDATED ON		SIZE	SHEET	
	REN0001.1802	V1.0			Bottom Components Location	2020.12.01		A4	15 OF 16	



D i a m . : 3 . 2 0 0 m m (X 4)

Hole shape	Hole diameter	From-To	Plating	Symbol	Total
Round hole	0.200	Through	Plated	A	1152
Round hole	0.550	Through	Plated	B	4
Round hole	0.600	Through	Plated	C	3
Round hole	0.800	Through	Plated	D	2
Round hole	0.900	Through	Plated	E	52
Round hole	1.000	Through	Non plated	F	3
Round hole	1.000	Through	Plated	G	4
Round hole	1.100	Through	Plated	H	4
Round hole	1.800	Through	Non plated	I	2
Round hole	1.600	Through	Plated	J	2
Round hole	1.800	Through	Non plated	K	2
Round hole	2.300	Through	Plated	L	2
Round hole	2.375	Through	Non plated	M	4
Round hole	3.200	Through	Non plated	N	6

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1:1	REMARKS	Remarks	APPROVED BY	TONY P.	DATE	2020.12.01



M3design

REFERENCE	VERSION	REV.	LAYER	UPDATED ON	SIZE	SHEET
REN001.1802	V1.0		Drill & Dimension	2020.12.01	A4	16 OF 16