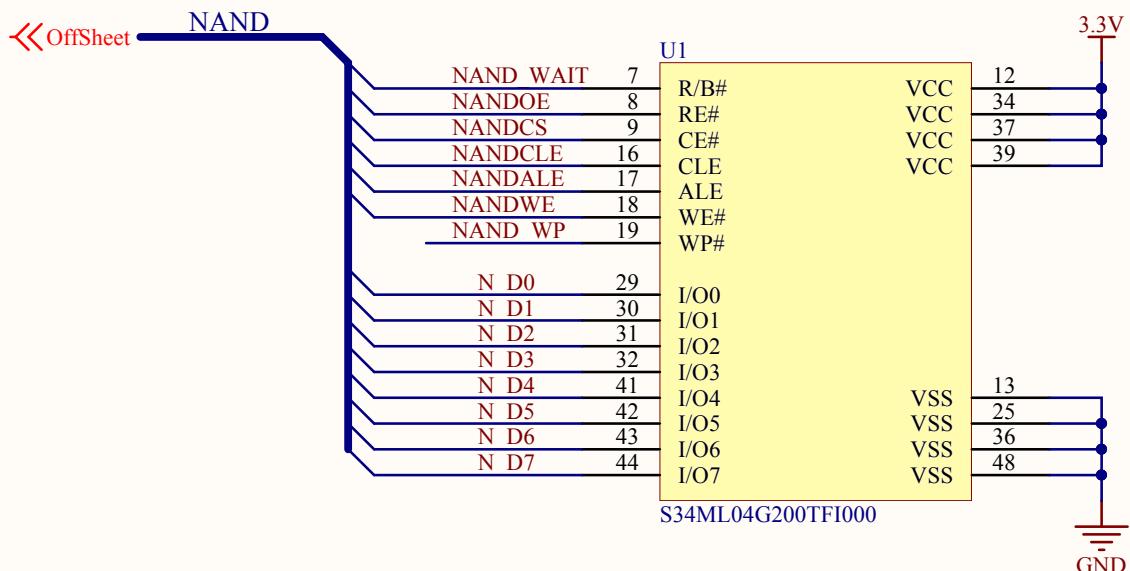
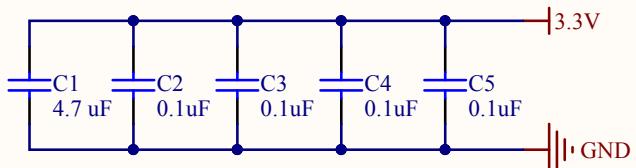


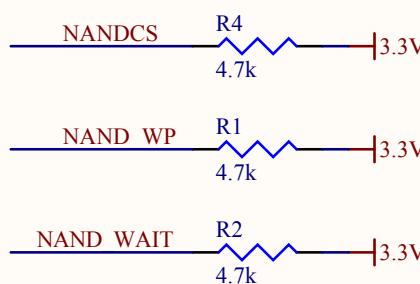
NAND



Decoupling



Config



Title

Size

A0

Number

Revision

Date: 1/7/2015

File: C:\Users...\NAND Flash.SchDoc

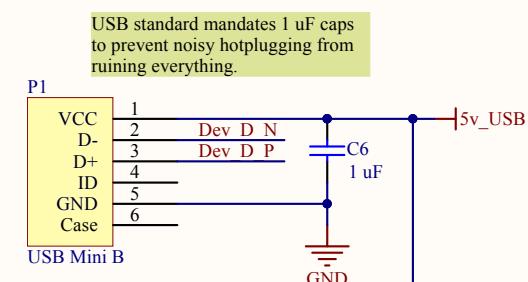
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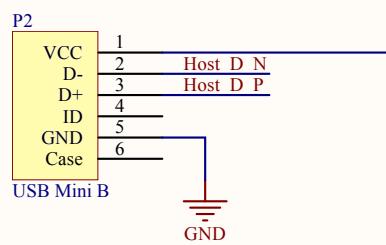
Power

Reset

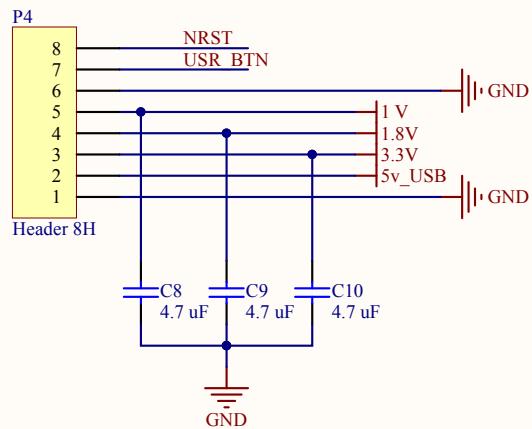
A



B



C

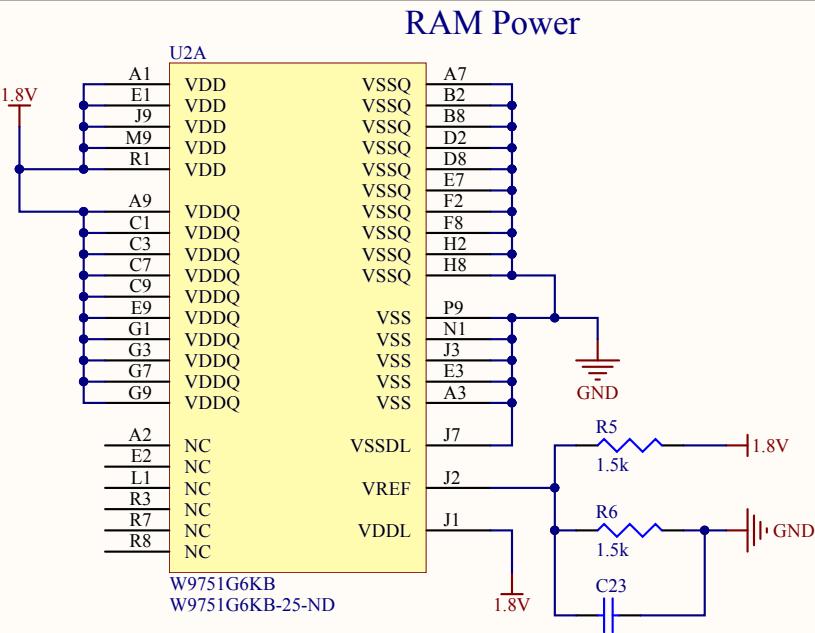
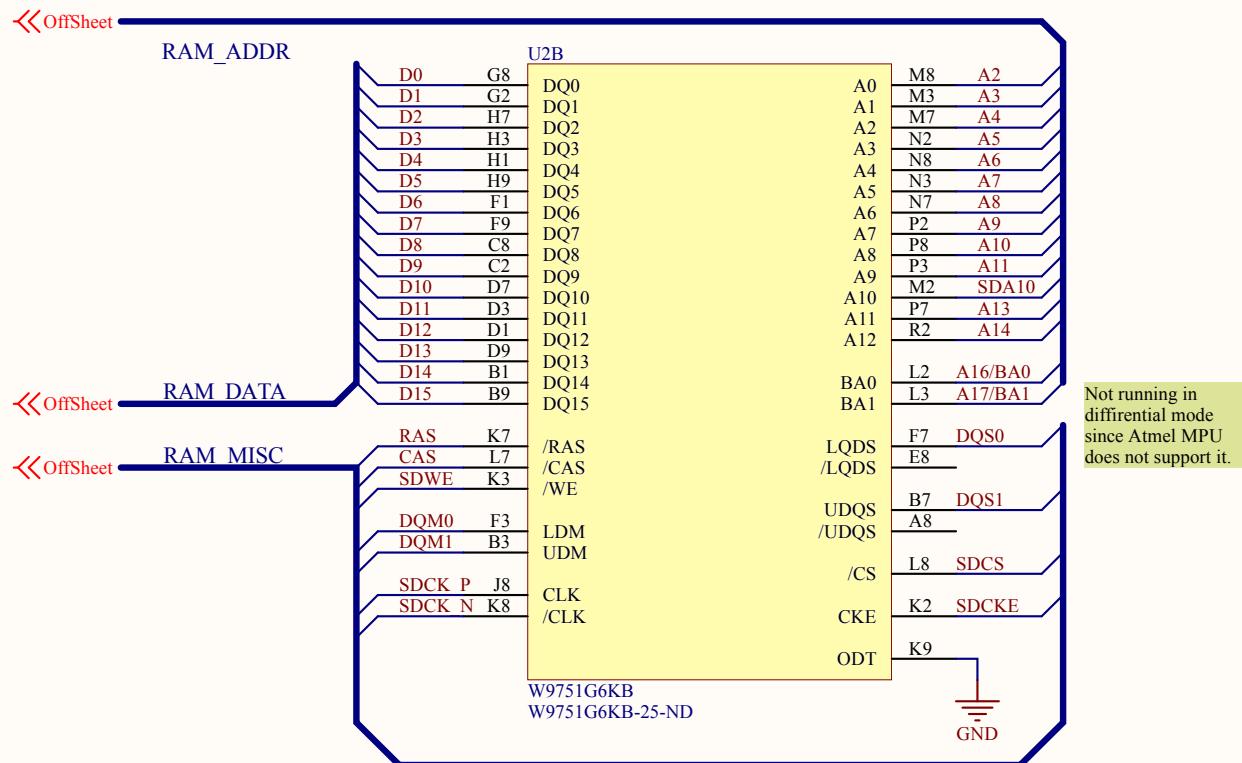


D

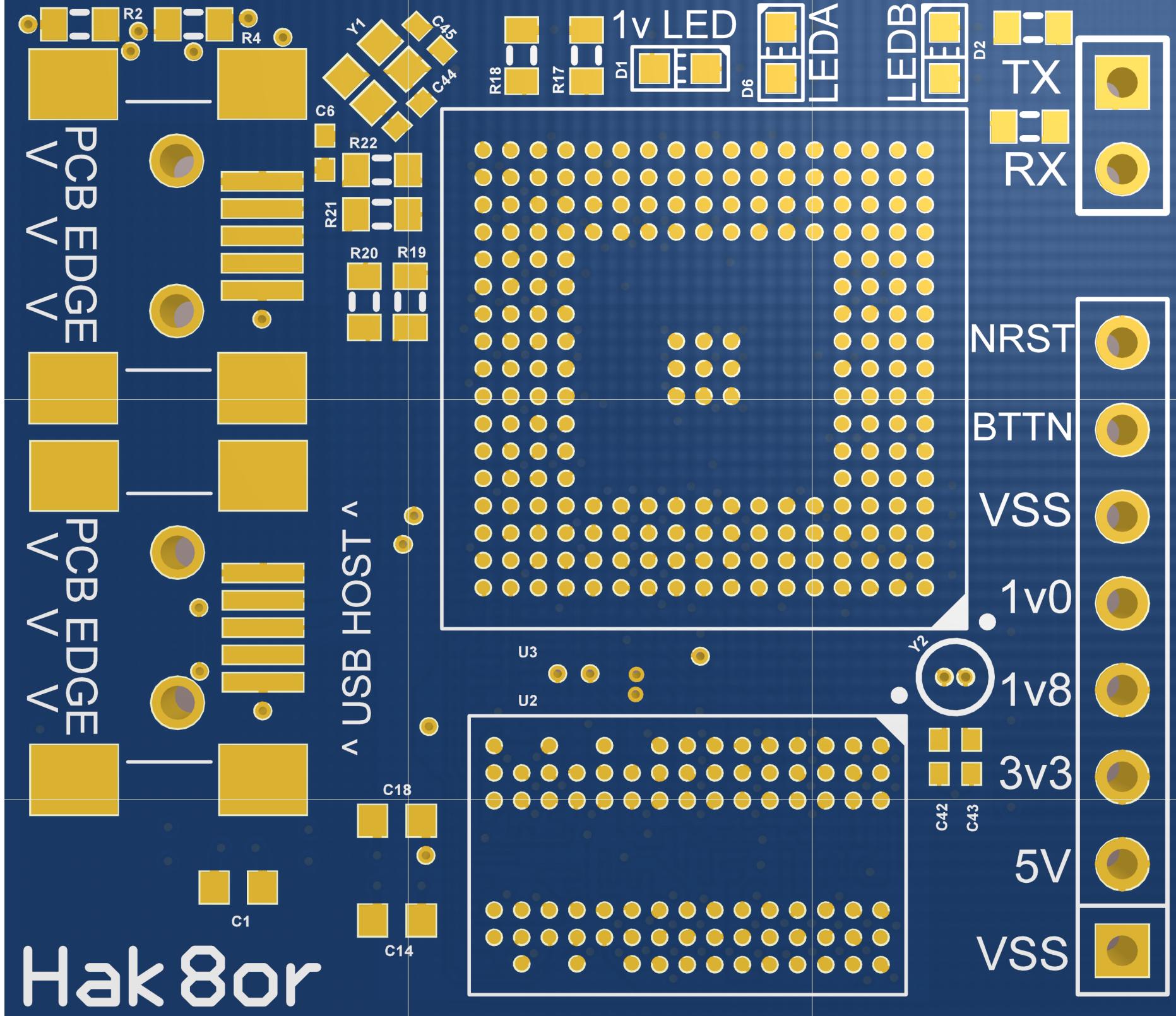
Device	Voltage	Max	Design for >=
ARM MPU	1.0 V	103 mA Load	200 mA
RAM	1.8 V	200 mA Load	300 mA
NAND	3.3 V	030 mA Load	060 mA

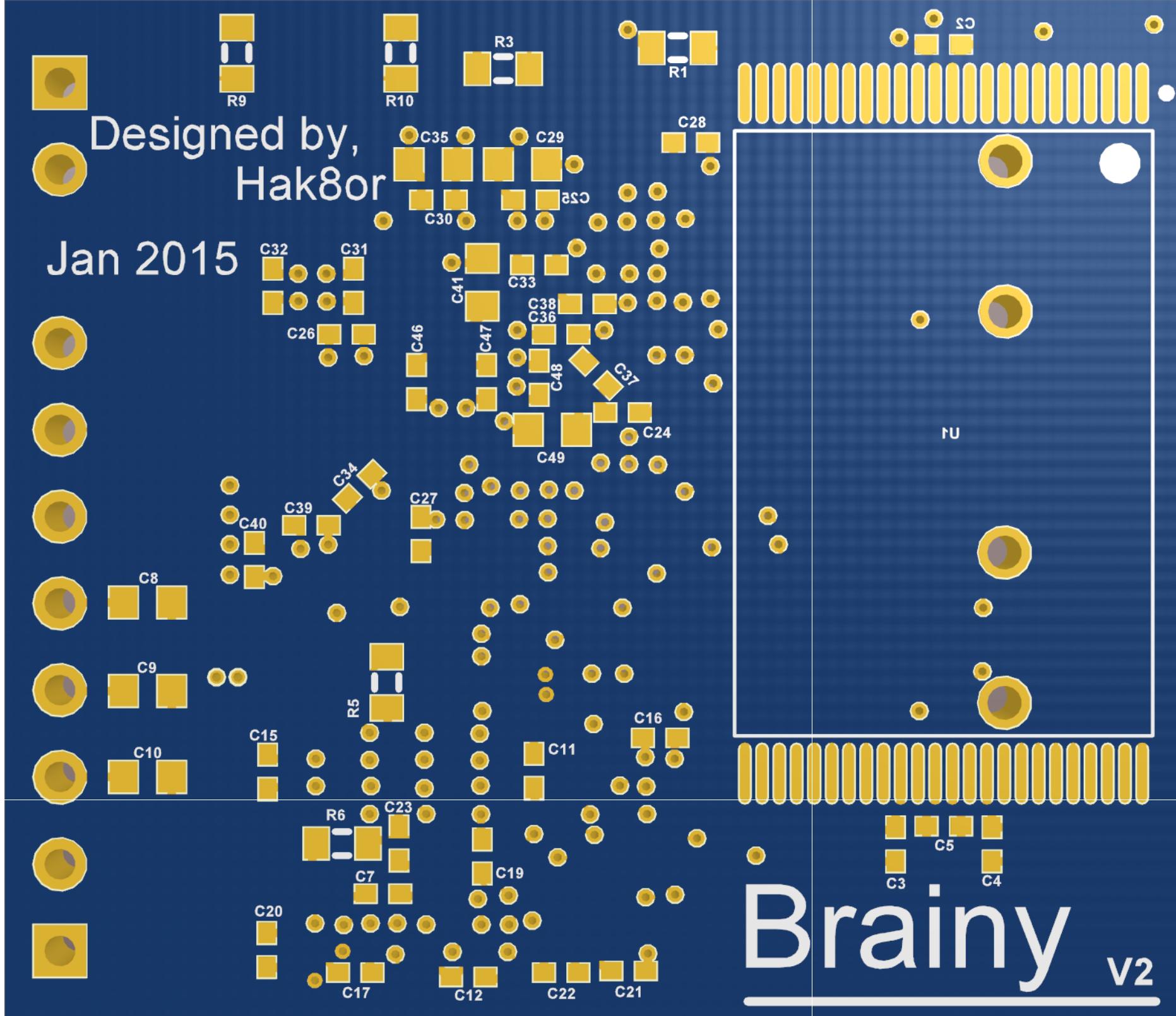
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Size	Number	Revision
A		
Date: 1/7/2015	Sheet of	
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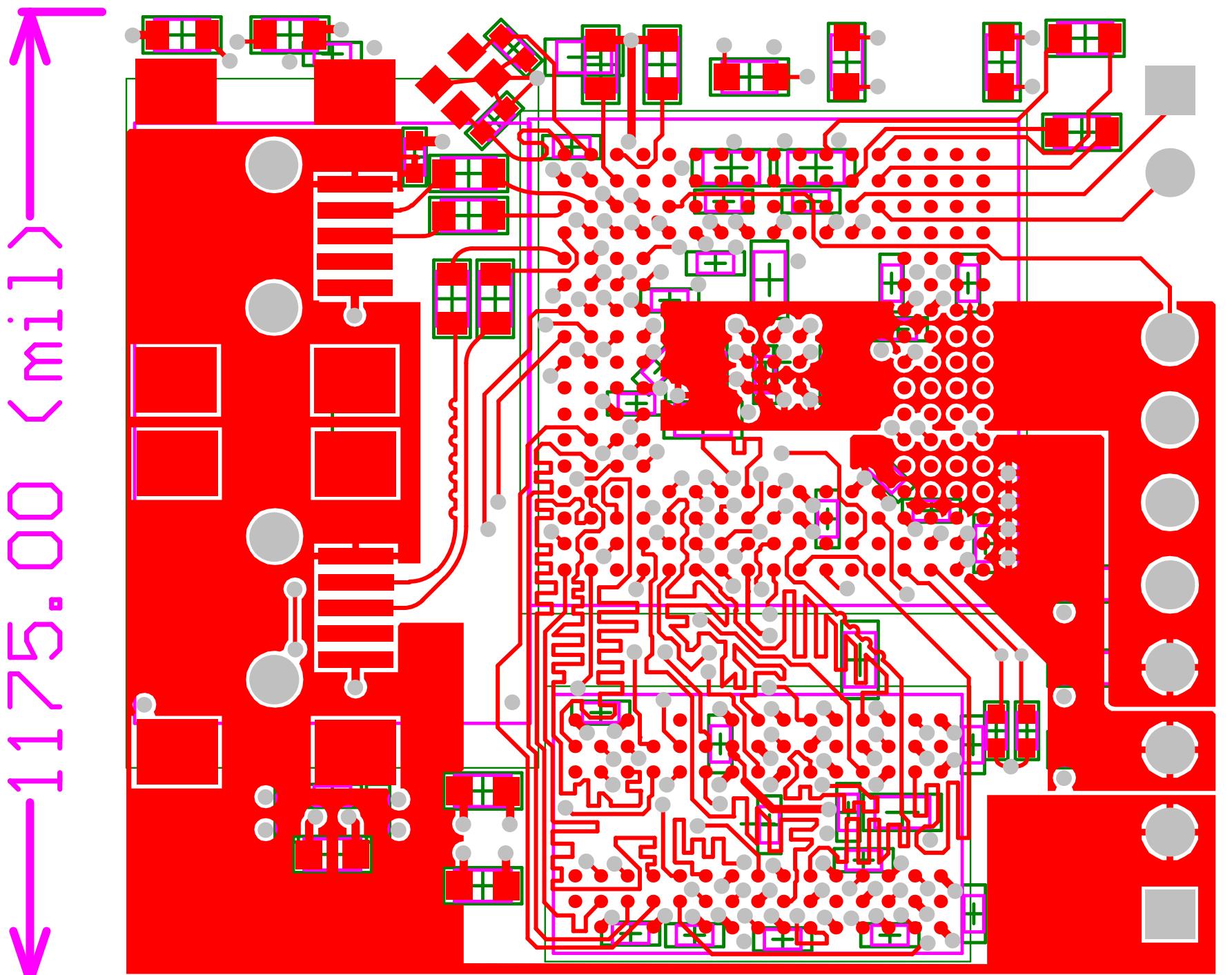
RAM



Title		
Size	Number	Revision
A		
Date: 1/7/2015	Sheet of	
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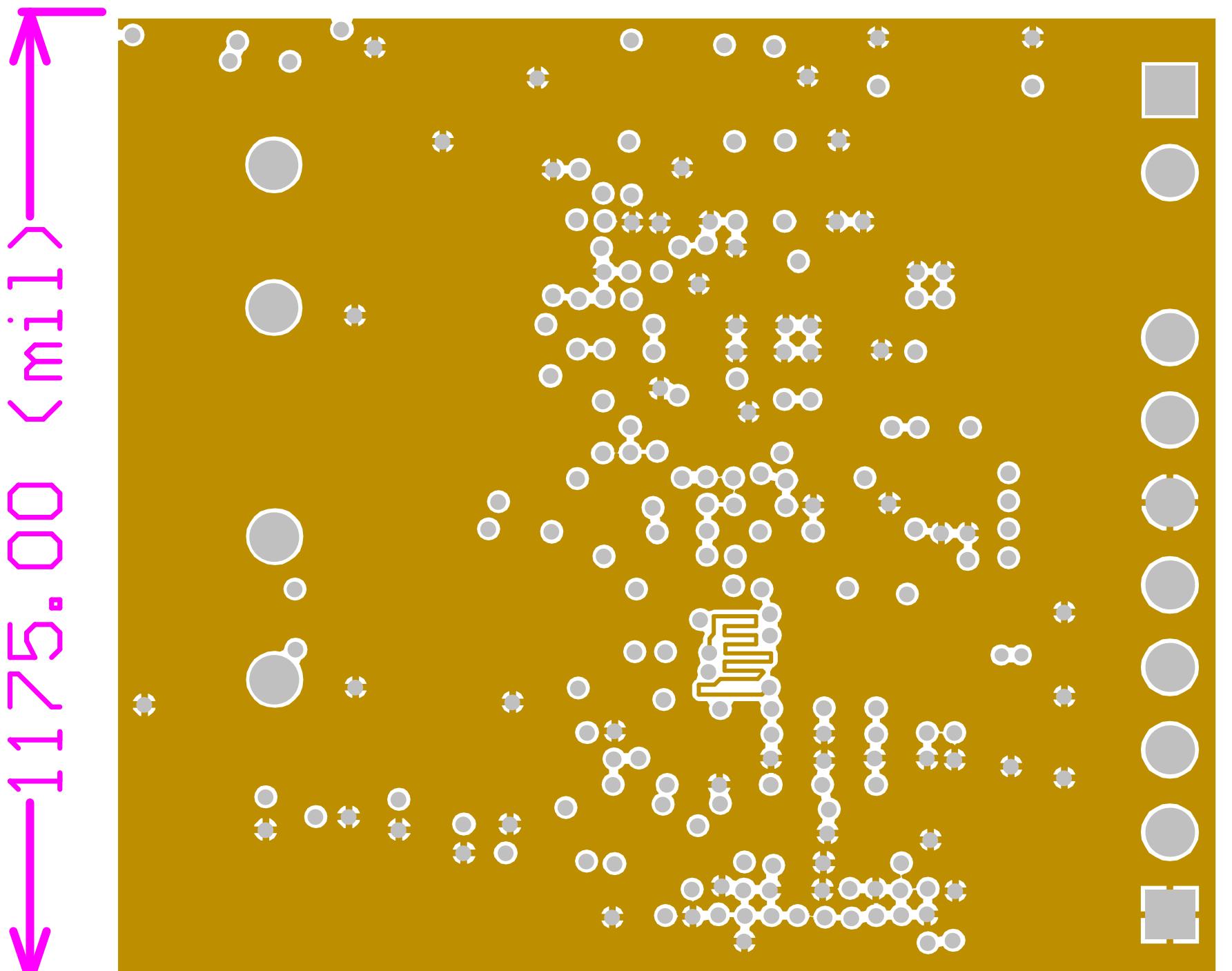




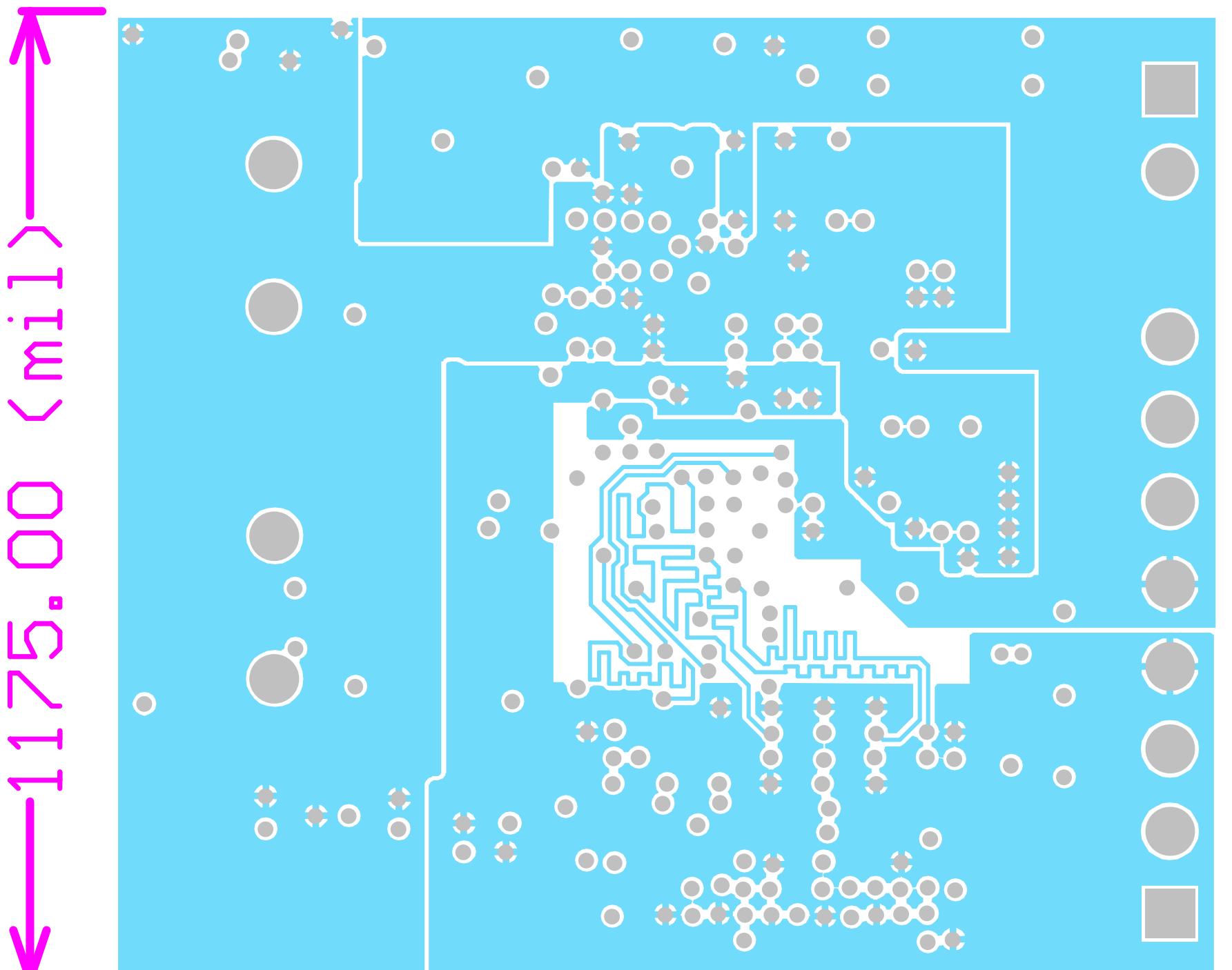


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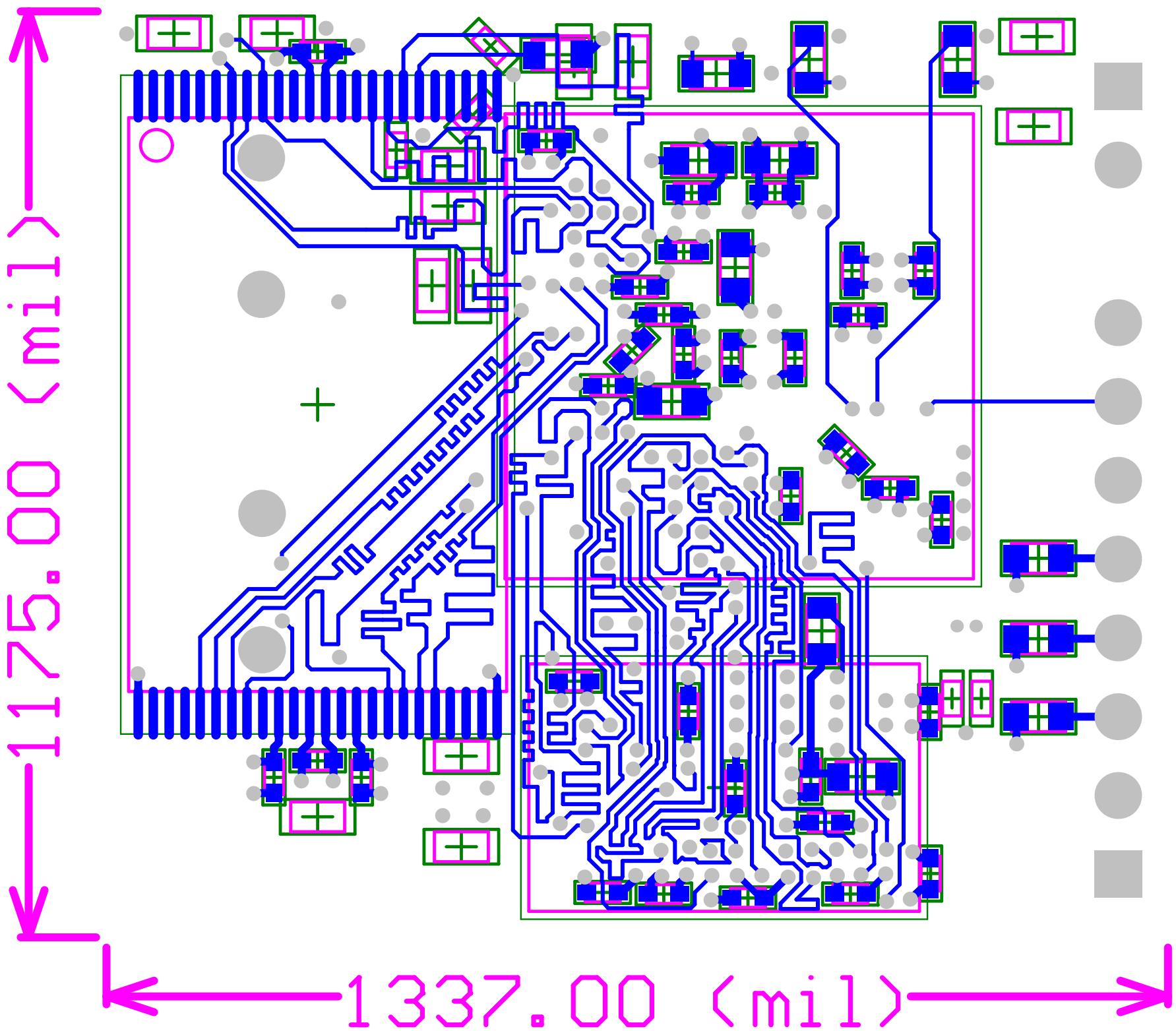


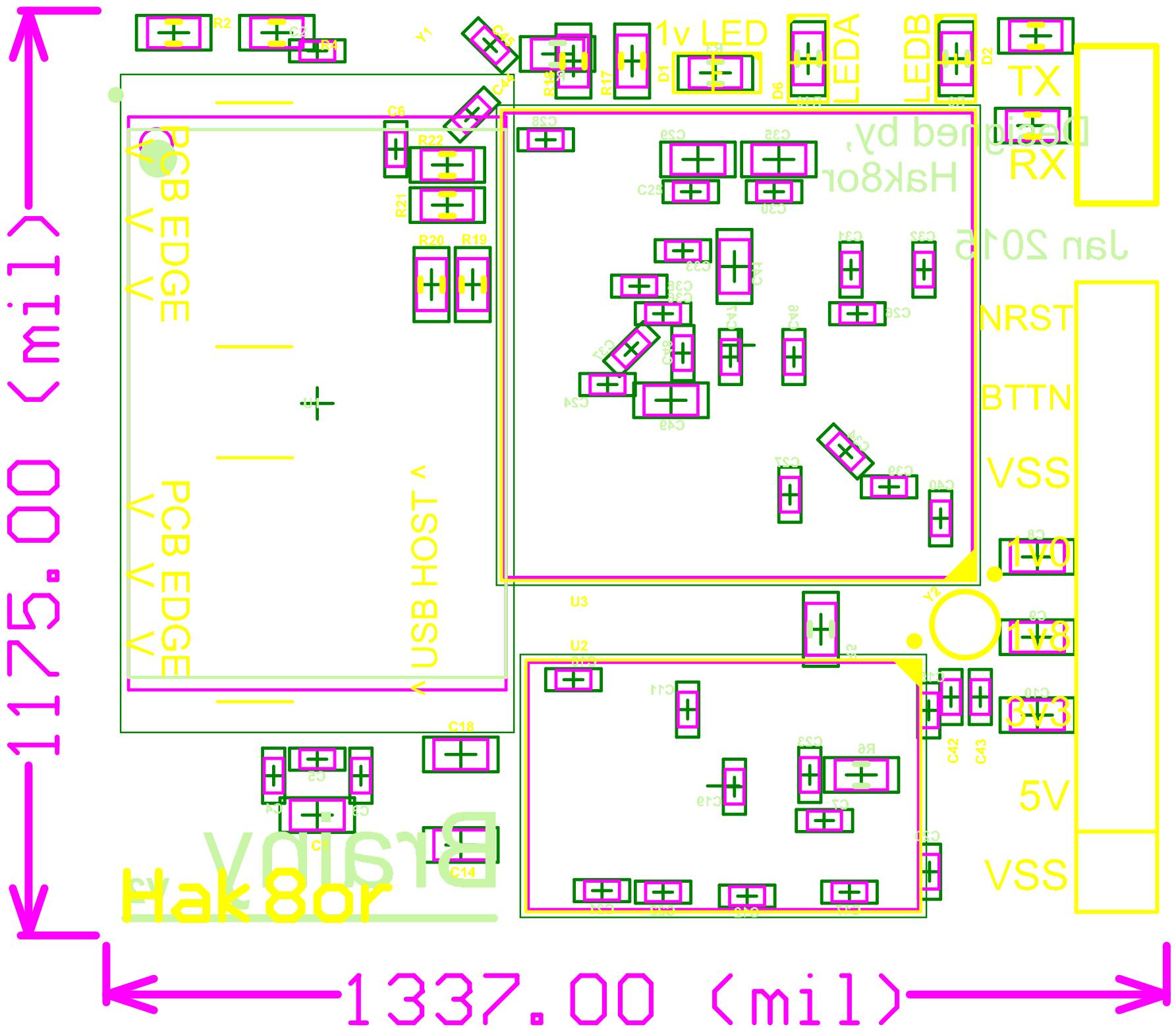
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Board Stack Report

Stack Up		Layer Stack			
Layer	Board Layer Stack	Name	Material	Thickness	Constant
1	Top Paste				
2	Top Overlay				
3	Top Solder	Solder Resist	0.40mil	3.5	
4	Top Layer	Copper	1.40mil		
5	Dielectric 1	FR-408	6.70mil	3.67	
6	Mid-Layer 1	Copper	0.70mil		
7	Dielectric2	FR-408	47.00mil	3.67	
8	Mid-Layer 2	Copper	0.70mil		
9	Dielectric3	FR-408	6.70mil	3.67	
10	Bottom Layer	Copper	1.40mil		
11	Bottom Solder	Solder Resist	0.40mil	3.5	
12	Bottom Overlay				
13	Bottom Paste				
	Height : 65.40mil				

Item #	Quantity	Designator	Description	Footprint	Comment	Supplier Subtotal 1	Supplier Unit Price 1
1	10	C1, C8, C9, C10, C14, C18, C29, C35, C41, C49	CAP CER 4.7UF 6.3V 10% X7R 0603	1608[0603]	CL10B475KQ8NQNC	0.74	0.074
2	33	C2, C3, C4, C5, C7, C11, C12, C15, C16, C17, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C30, C31, C32, C33, C34, C36, C37, C38, C39, C40, C46, C47, C48	Cap Ceramic 0.1uF 6.3V X7R 10% SMD 0402	0402	CL05B104KQ5NNNC		
3	1	C6	Cap Ceramic 1uF 6.3V X5R 10% SMD 0402	0402	CL05A105KQ5NNNC	0.1	0.1
4	2	C42, C43	CAP CER 22PF 50V 5% NP0 0402	0402	CL05C220JB5NNNC	0.2	0.1
5	2	C44, C45	CAP CER 15PF 50V 5% NP0 0402	0402	CL05C150JB5NNNC	0.2	0.1
6	3	D1, D2, D6	OSRAM - LED, SMD, RED, 180MCD, 633NM	LSQ976-Z	LSQ976-Z		
7	2	P1, P2	USB Mini B connector	USB Mini B	USB Mini B		
8	1	P3	Header, 2-Pin	HDR1X2	Serial		
9	1	P4	Header, 8-Pin, Right Angle_Silkscreen_fixed	Header_8_Right	Header 8H		
10	5	R1, R2, R4, R17, R18	RES 4.7K OHM 1/10W 5% 0603	J1-0603	RMCF0603J4K70	0.5	0.1
11	1	R3	RES SMD 100 OHM 5% 1/10W 0603	J1-0603	RC0603JR-07100RL	0.1	0.1
12	2	R5, R6	RES SMD 1.5K OHM 1% 1/8W 0603	J1-0603	MCT06030C1501FP500		
13	2	R7, R8	RES SMD 27 OHM 5% 1/10W 0603	J1-0603	DNP	0.2	0.1
14	2	R9, R10	RES 200 OHM 1/10W 5% 0603 SMD	J1-0603	MCR03ERTJ201	0.2	0.1
15	4	R19, R20, R21, R22	RES SMD 27 OHM 5% 1/10W 0603	J1-0603	MCR03ERTJ270	0.4	0.1
16	1	U1	IC FLASH 4GBIT 25NS 48TSOP 8bit IO	TSSOP50P2000X120-48N	S34ML04G200TFI000	3.95	3.95
17	1	U2	IC DDR2 SDRAM 512M 2.5NS 84WBGA	BGA84C80P9X15_800X1250X120	W9751G6KB	3.43	3.43
18	1	U3	400 MHZ Microprocessor Atmel	BGA217C80P17X17_1500X1500X140	AT91SAM9N12	10.91	10.91
19	1	Y1	CRYSTAL 16MHZ 8PF SMD	CRYSTAL 16MHZ 8PF SMD	CX2016DB16000D0FLJCC	0.9	0.9
20	1	Y2	CRYSTAL 32.768KHZ 12.5PF THRU	32.768 Crystal Th-Hole	CFS206	0.24	0.24

