

GA-8GEM800 Schematics

Revision:1.0

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SHEET	TITLE
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[illegible]

GIGABYTE			
Title			
COVER SHEET			
Size Custom	Document Number		Rev
	GA-8GEM800		1.0
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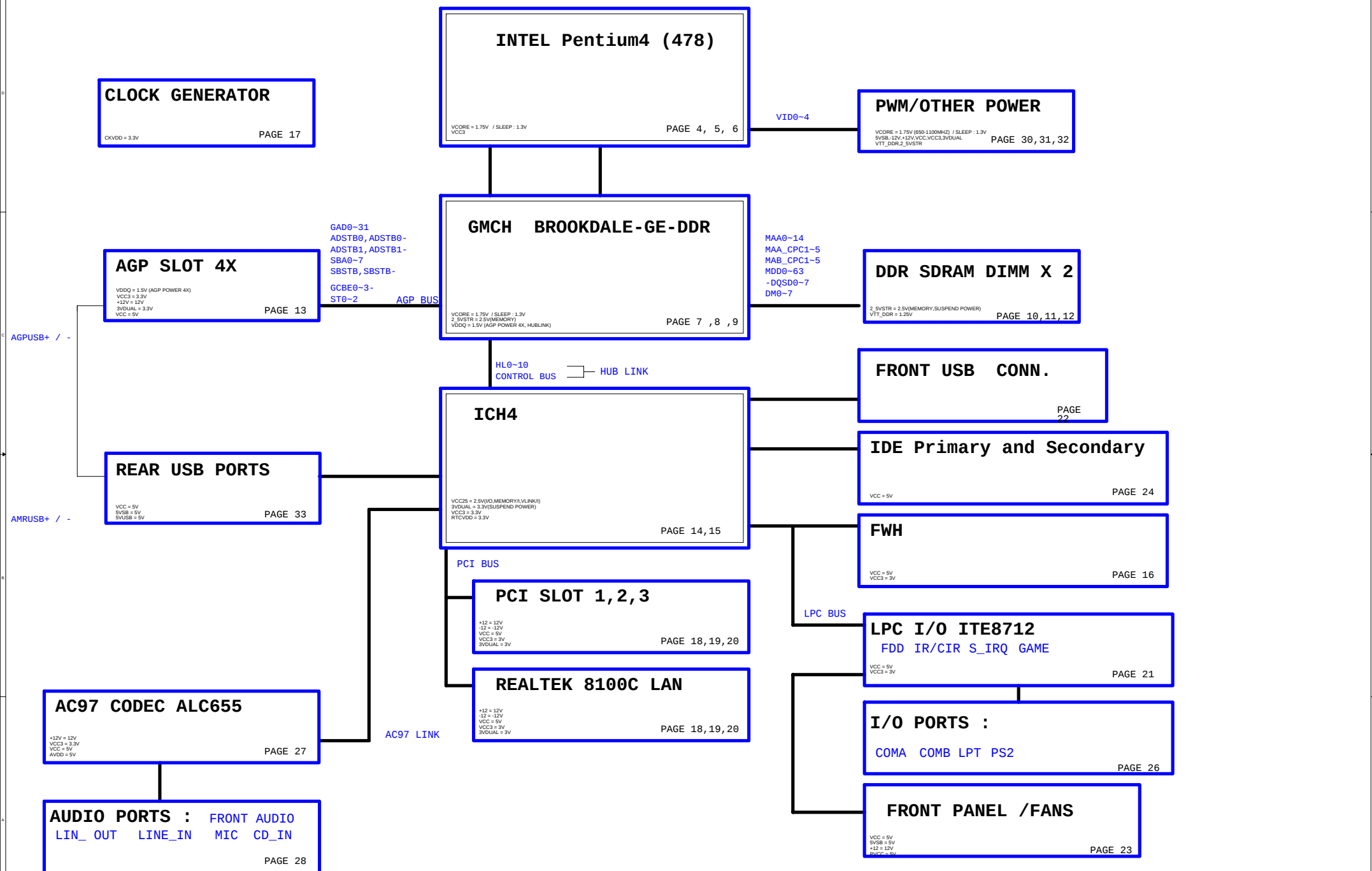
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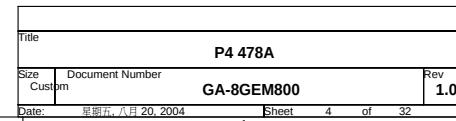
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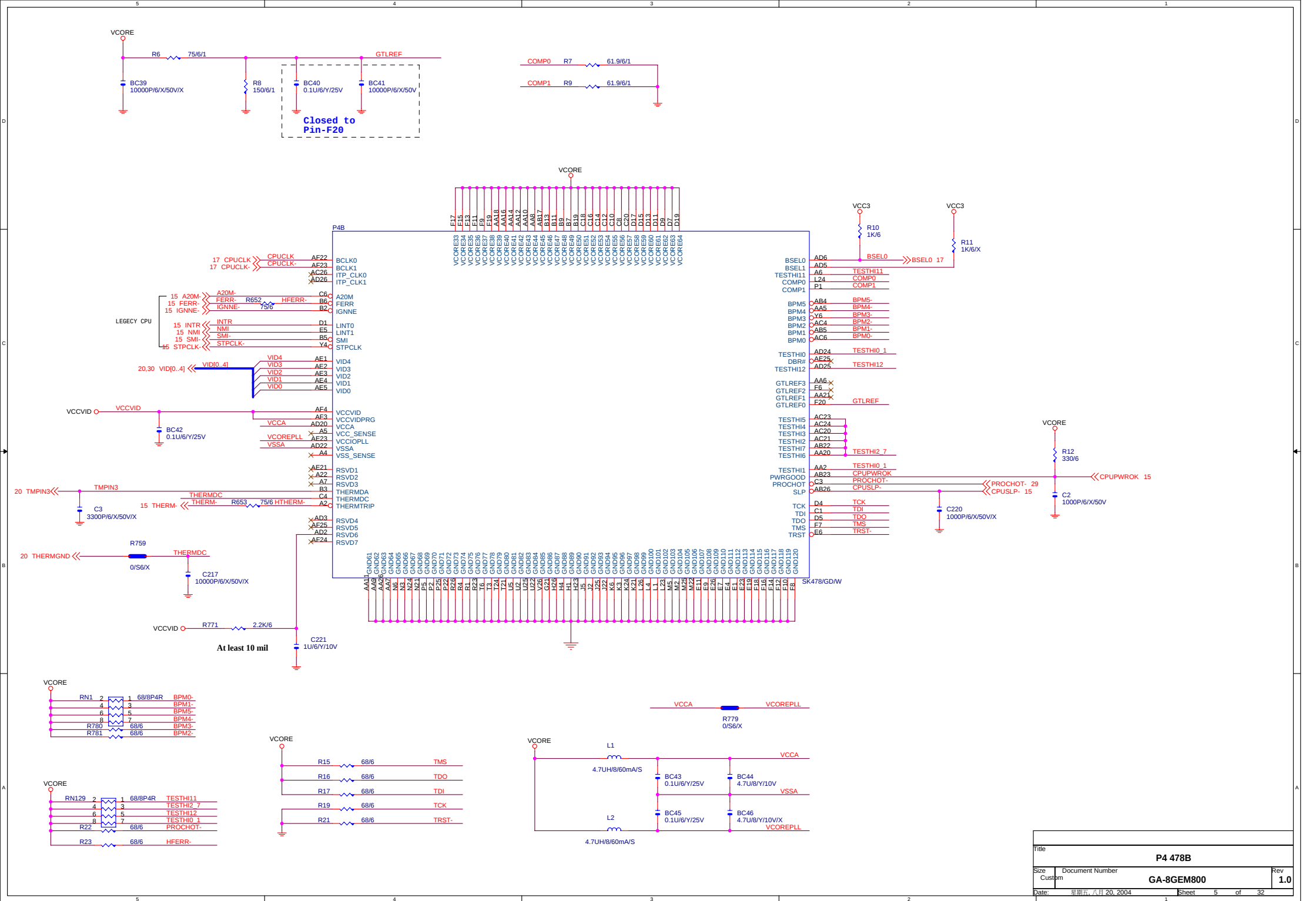
鴻達,慶生,統盟

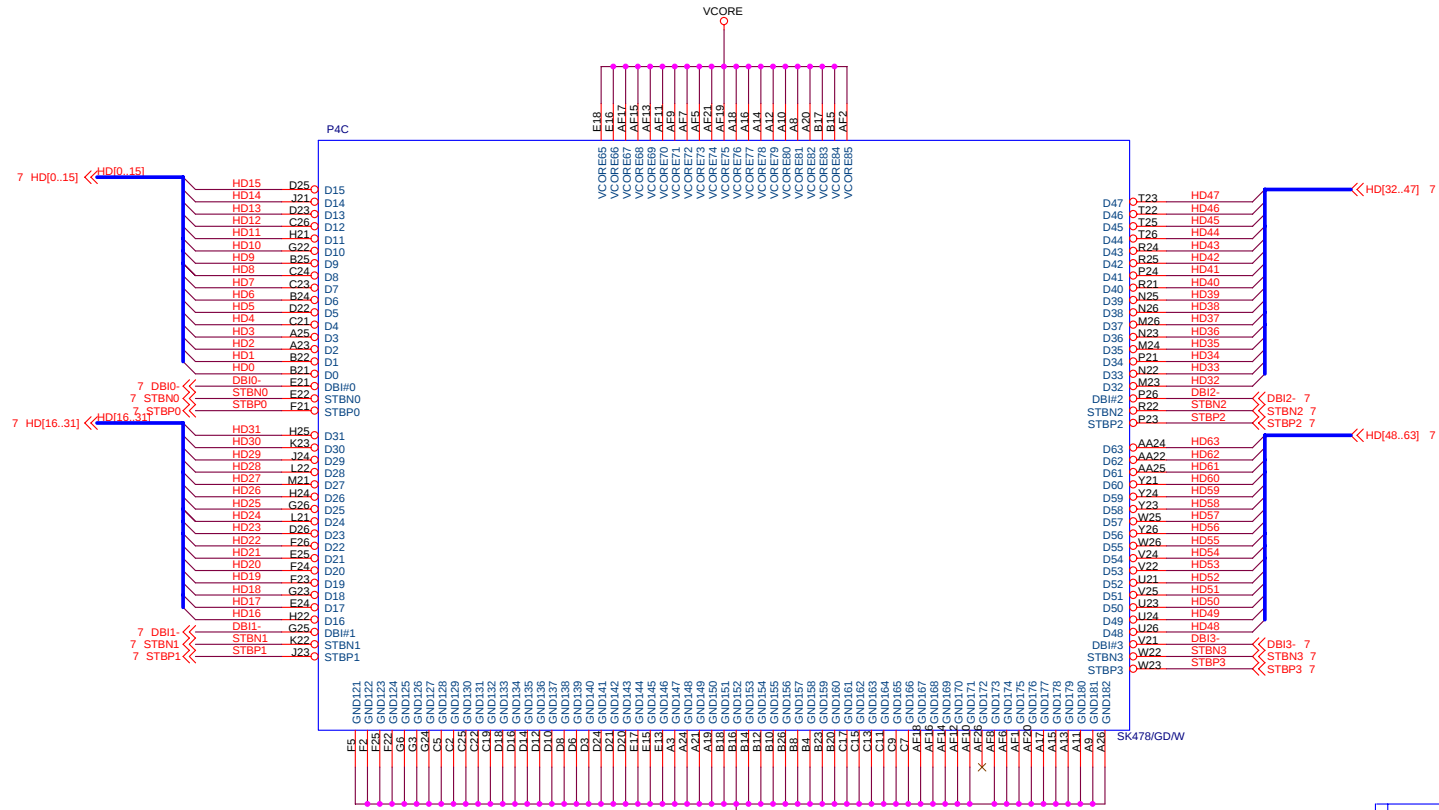
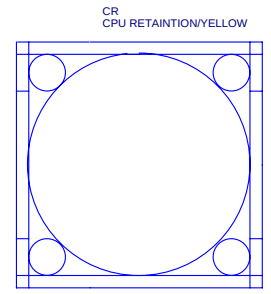
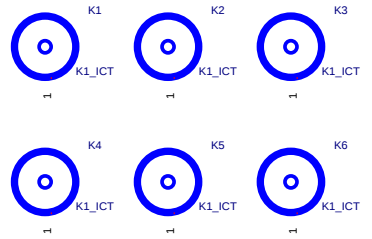
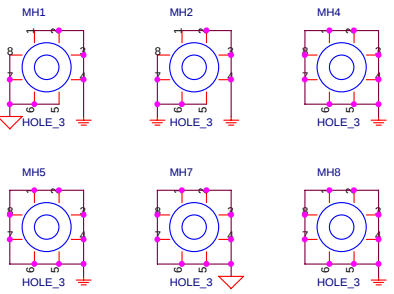
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BLOCK DIAGRAM

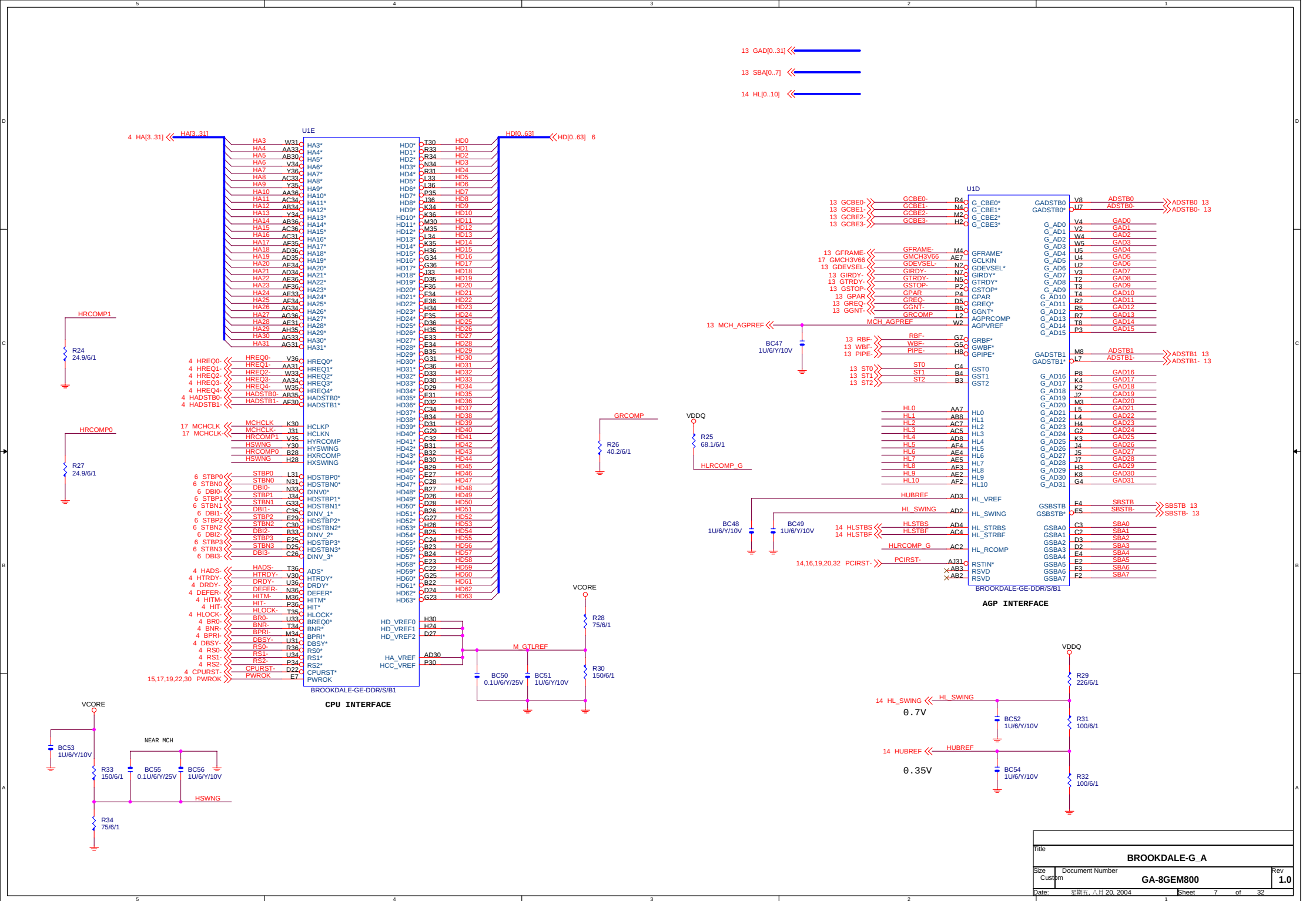


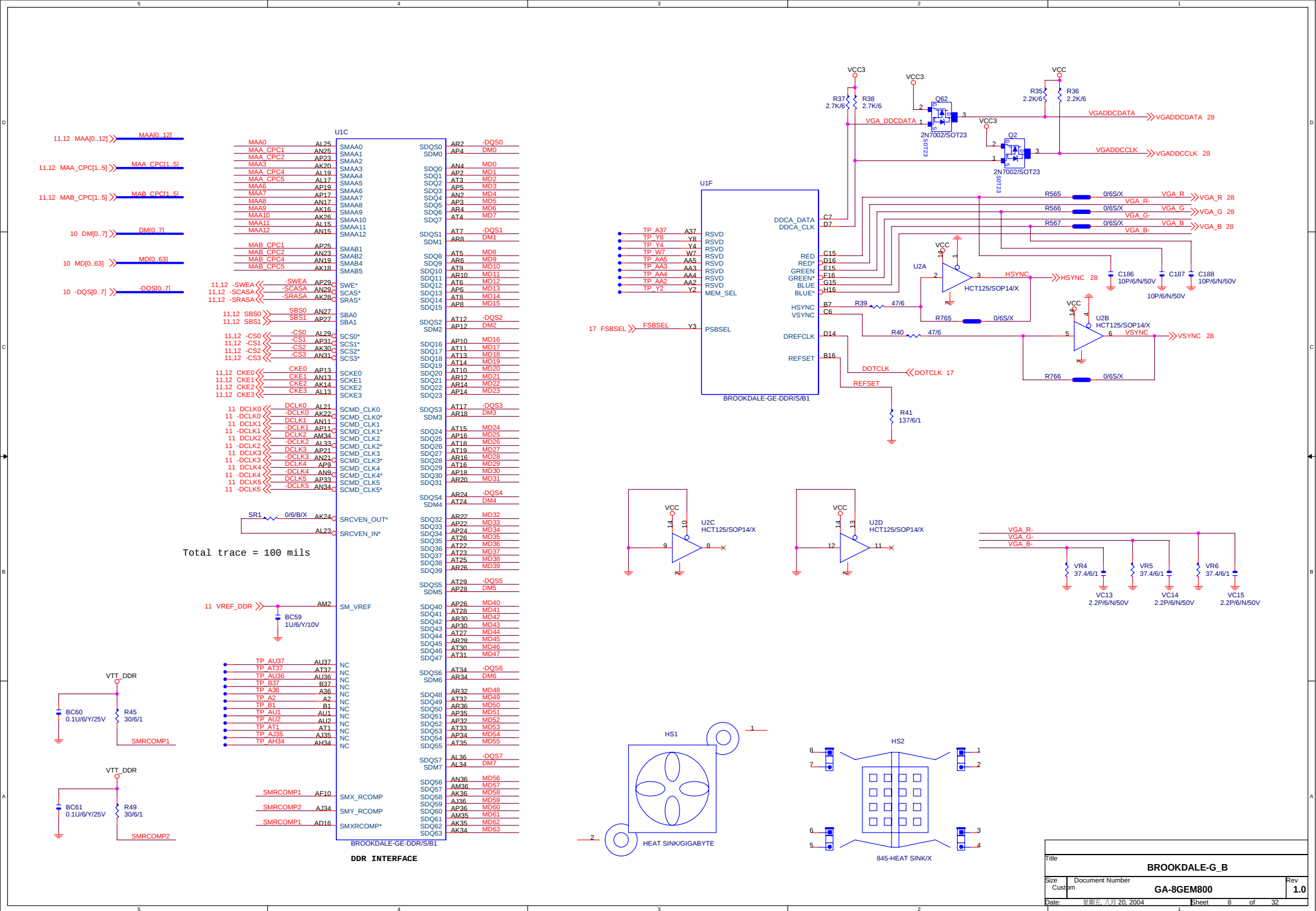


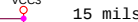
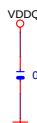




Title			P4 478C		
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Title				
BROOKDALE-G_C				
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11.12 MD_[0..63] << <<MD[0..63] 8

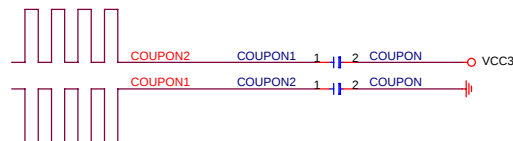
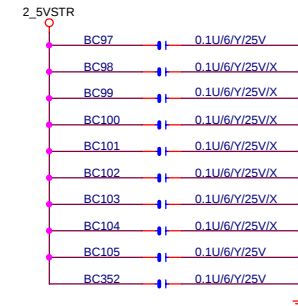
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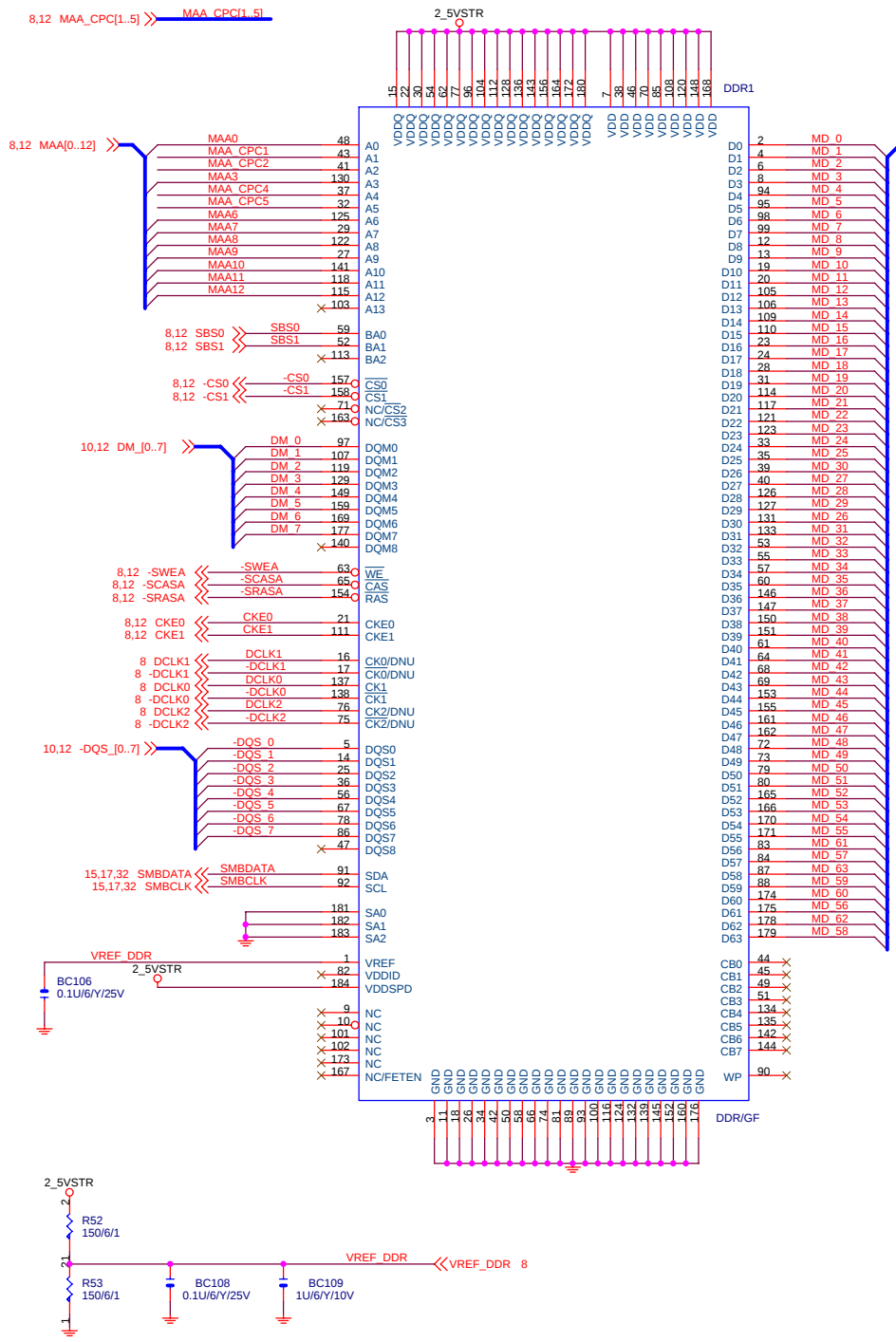
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DM 0	RN3	1	2 0/8P4R/X	DM0
-DQS 0		3	4	-DQS0
MD 2		5	6	MD2
MD 6		7	8	MD6
MD 0	RN5	1	2 0/8P4R/X	MD0
MD 4		3	4	MD4
MD 5		5	6	MD5
MD 1		7	8	MD1
MD 12	RN6	1	2 0/8P4R/X	MD12
MD 13		3	4	MD13
-DQS 1		5	6	-DQS1
DM 1		7	8	DM1
MD 14	RN7	1	2 0/8P4R/X	MD14
MD 15		3	4	MD15
MD 10		5	6	MD10
MD 11		7	8	MD11
-DQS 2	RN9	1	2 0/8P4R/X	-DQS2
DM 2		3	4	DM2
MD 18		5	6	MD18
MD 22		7	8	MD22
MD 29	RN11	1	2 0/8P4R/X	MD29
MD 25		3	4	MD25
-DQS 3		5	6	-DQS3
DM 3		7	8	DM3
MD 26	RN12	1	2 0/8P4R/X	MD26
MD 30		3	4	MD30
MD 27		5	6	MD27
MD 31		7	8	MD31
MD 32	RN13	1	2 0/8P4R/X	MD32
MD 36		3	4	MD36
MD 33		5	6	MD33
MD 37		7	8	MD37
MD 39	RN14	1	2 0/8P4R/X	MD39
MD 35		3	4	MD35
MD 40		5	6	MD40
MD 44		7	8	MD44
-DQS 4	RN15	1	2 0/8P4R/X	-DQS4
DM 4		3	4	DM4
MD 34		5	6	MD34
MD 38		7	8	MD38
MD 45	RN16	1	2 0/8P4R/X	MD45
MD 41		3	4	MD41
DM 5		5	6	DM5
-DQS 5		7	8	-DQS5
MD 48	RN17	1	2 0/8P4R/X	MD48
MD 49		3	4	MD49
MD 52		5	6	MD52
MD 53		7	8	MD53
MD 50	RN18	1	2 0/8P4R/X	MD50
MD 51		3	4	MD51
MD 60		5	6	MD60
MD 61		7	8	MD61
DM 6	RN19	1	2 0/8P4R/X	DM6
-DQS 6		3	4	-DQS6
MD 54		5	6	MD54
MD 55		7	8	MD55
MD 56	RN20	1	2 0/8P4R/X	MD56
MD 57		3	4	MD57
DM 7		5	6	DM7
-DQS 7		7	8	-DQS7
MD 59	RN21	7	8 0/8P4R/X	MD59
MD 63		5	6	MD63
MD 58		3	4	MD58
MD 62		1	2	MD62

MD 20	RN2	1	2 0/8P4R/X	MD20
MD 16		3	4	MD16
MD 17		5	6	MD17
MD 21		7	8	MD21
MD 42	RN4	1	2 0/8P4R/X	MD42
MD 46		3	4	MD46
MD 43		5	6	MD43
MD 47		7	8	MD47

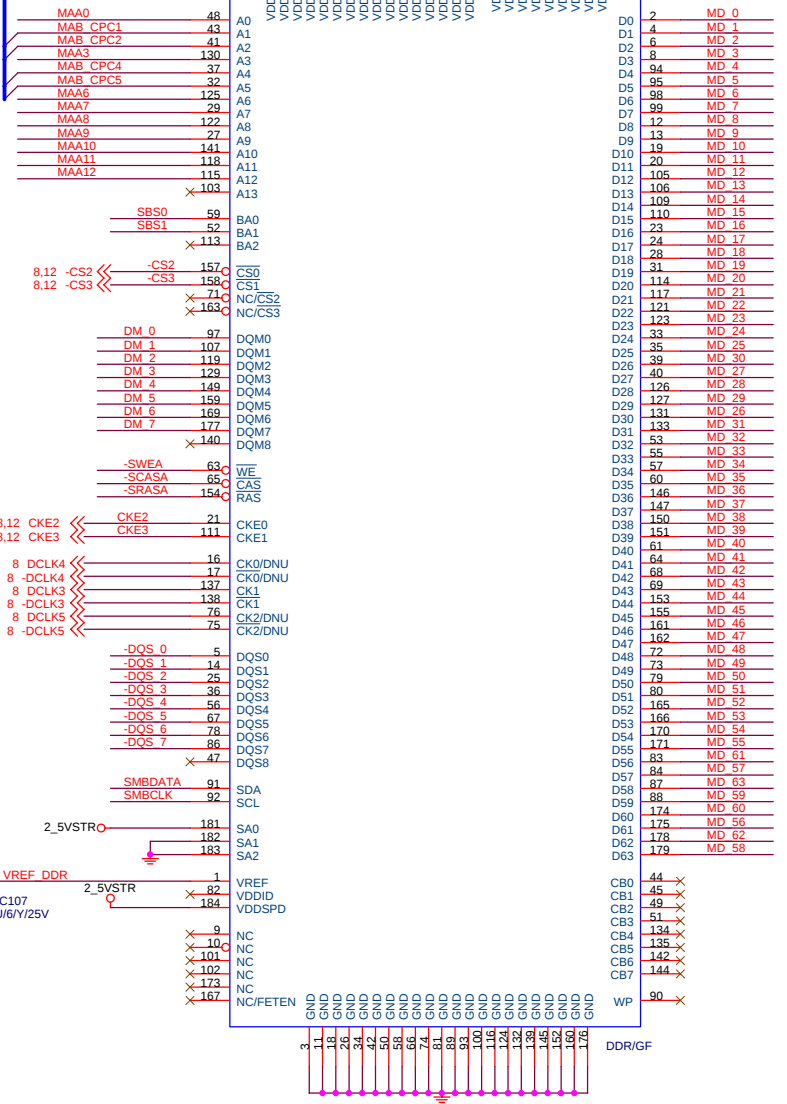
MD 7	RN8	1	2 0/8P4R/X	MD7
MD 3		3	4	MD3
MD 8		5	6	MD8
MD 9		7	8	MD9
MD 19	RN10	1	2 0/8P4R/X	MD19
MD 23		3	4	MD23
MD 24		5	6	MD24
MD 28		7	8	MD28



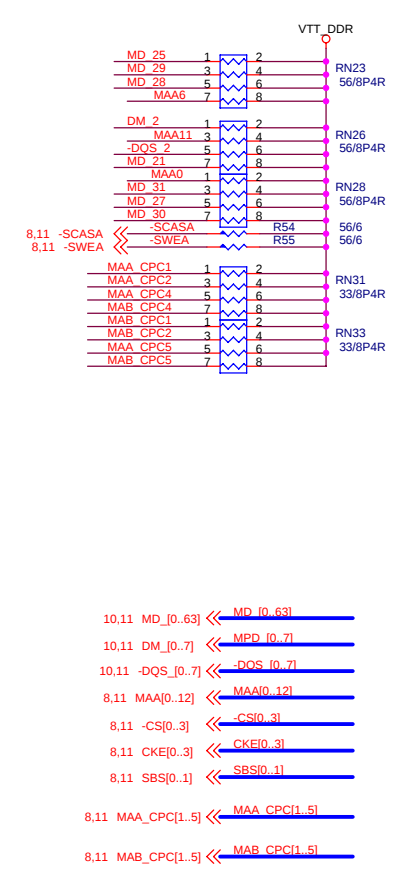
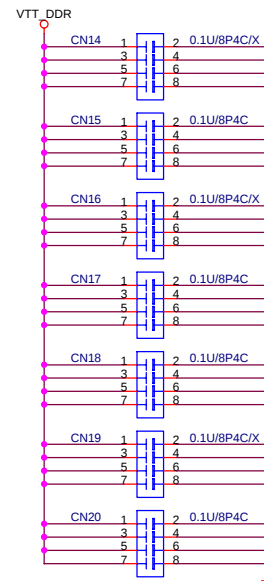


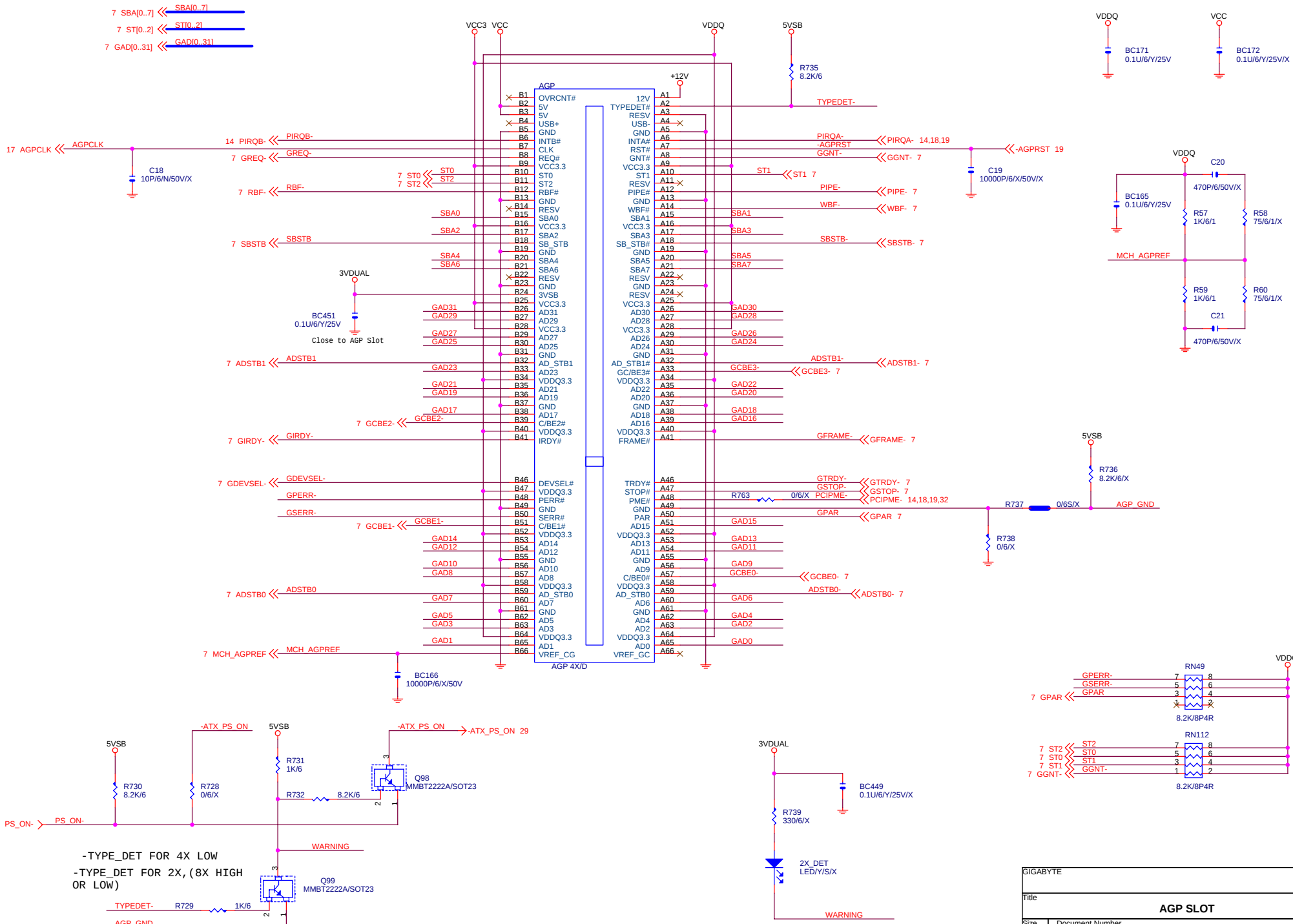
<< MD[0.63] 10.12

8.12 MAB_CPC[1.5] >> MAB_CPC[1.5]

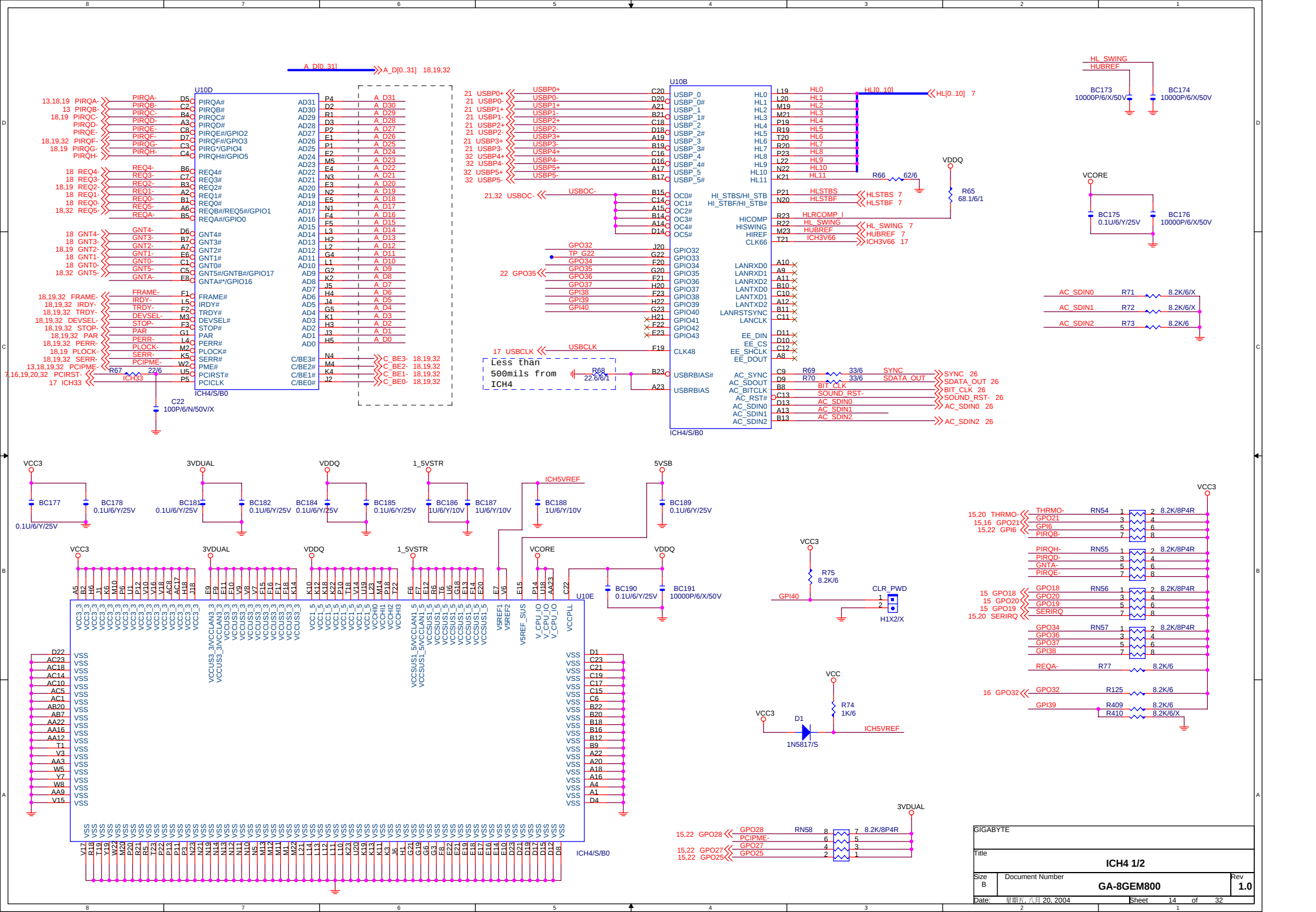


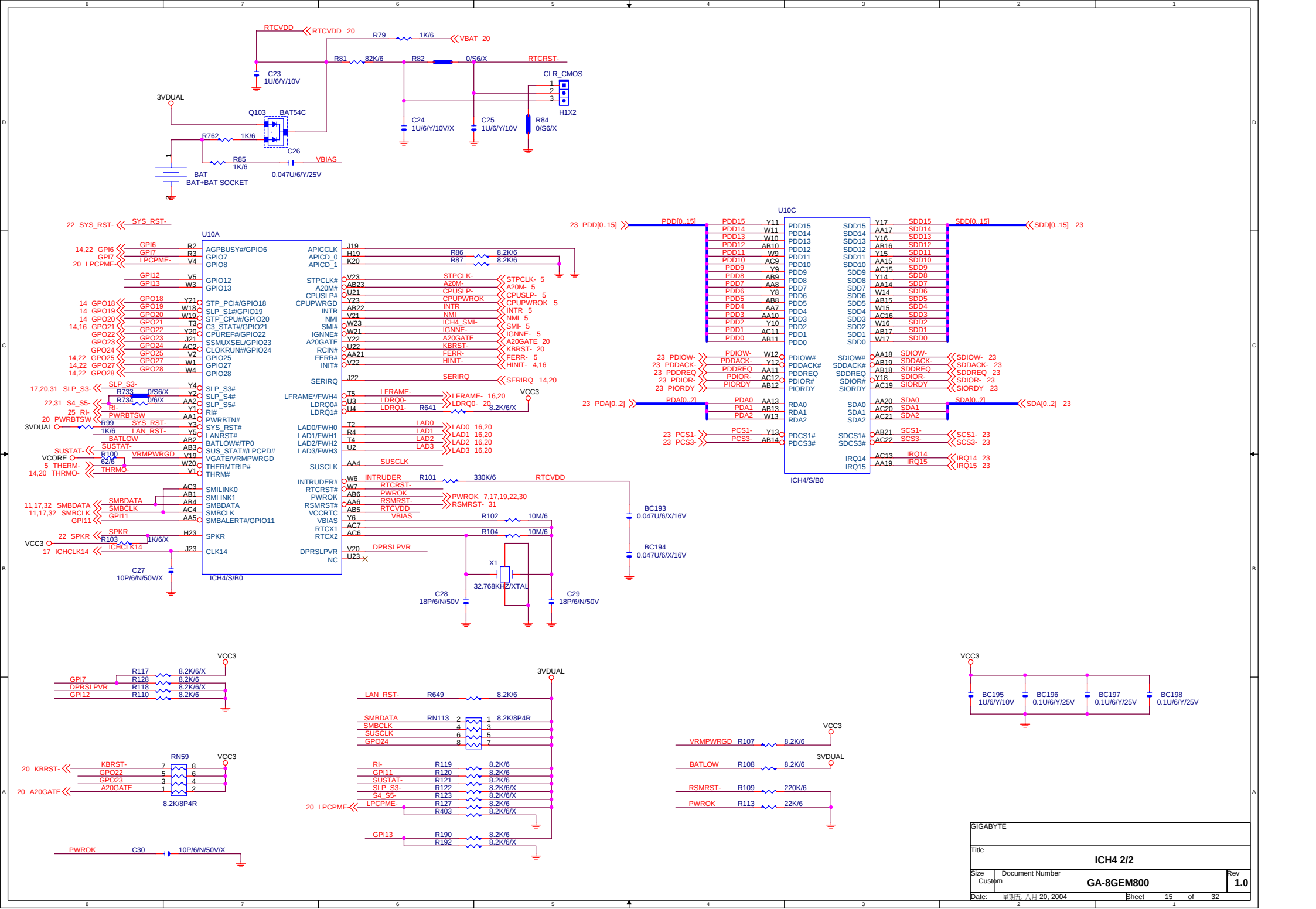
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DDR1,2		
Size B	Document Number	Rev
	GA-8GEM800	1.0
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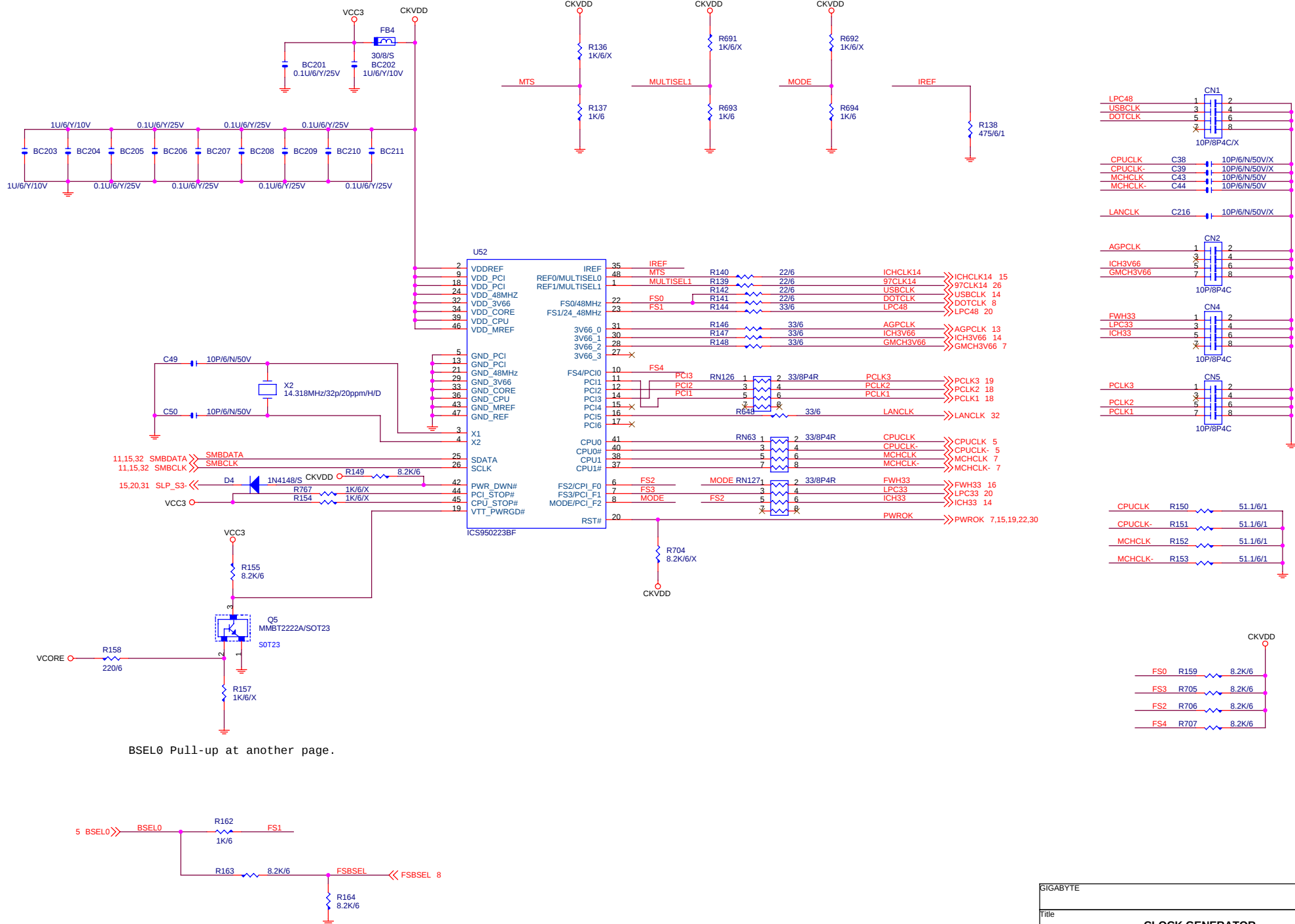


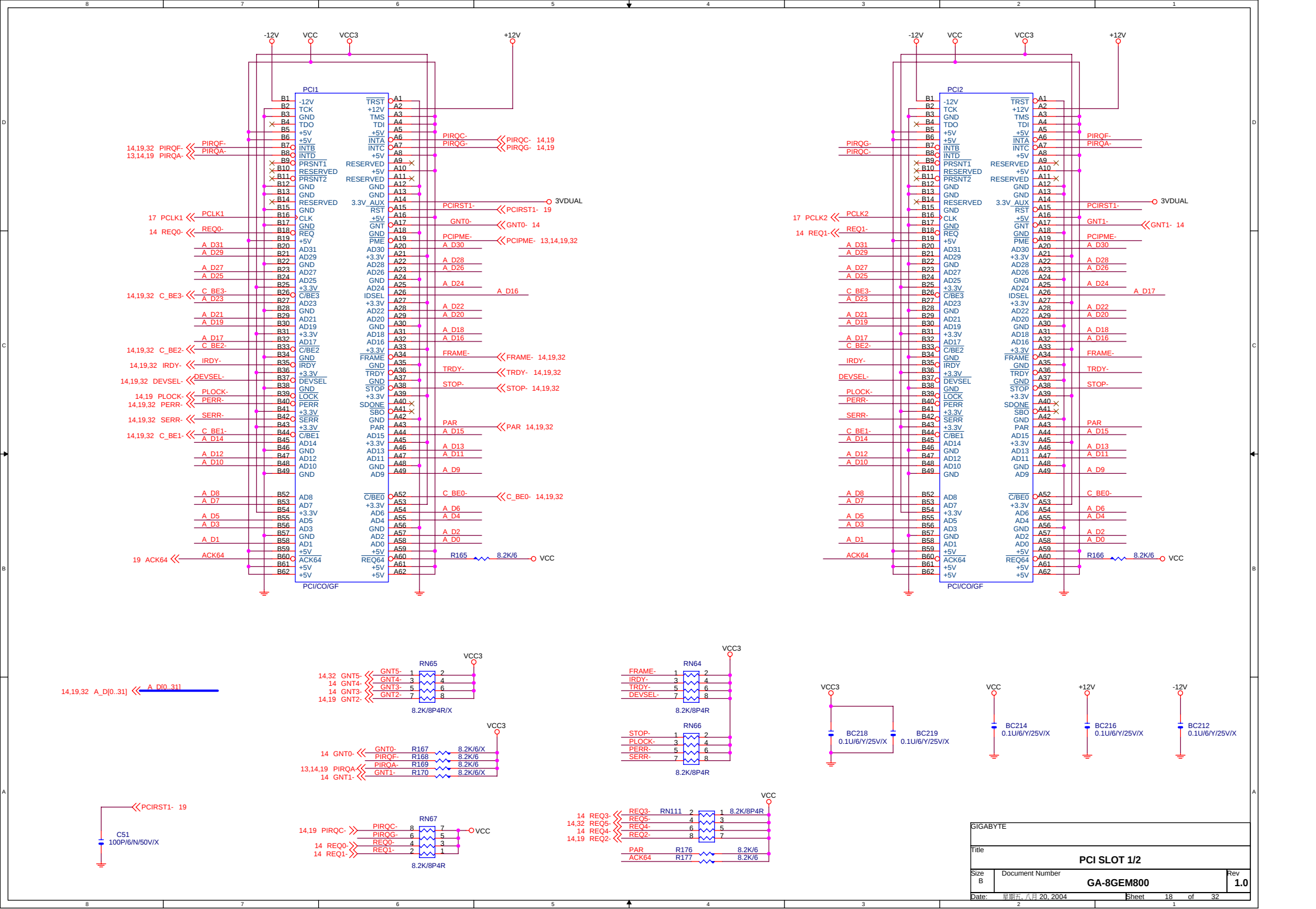


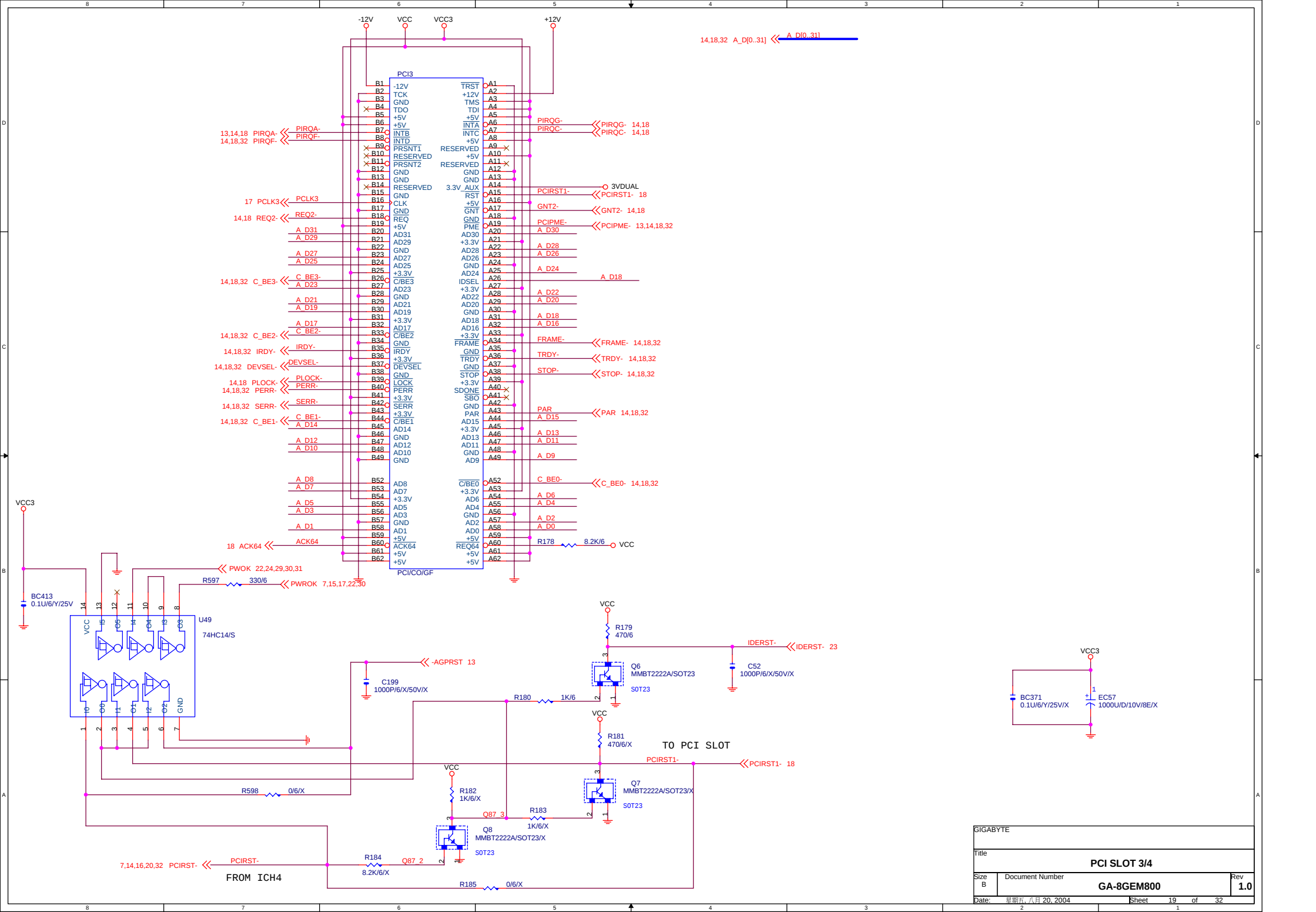
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Title			
AGP SLOT			
Size	Document Number	Rev	
Custom	GA-8GEM800	1.0	
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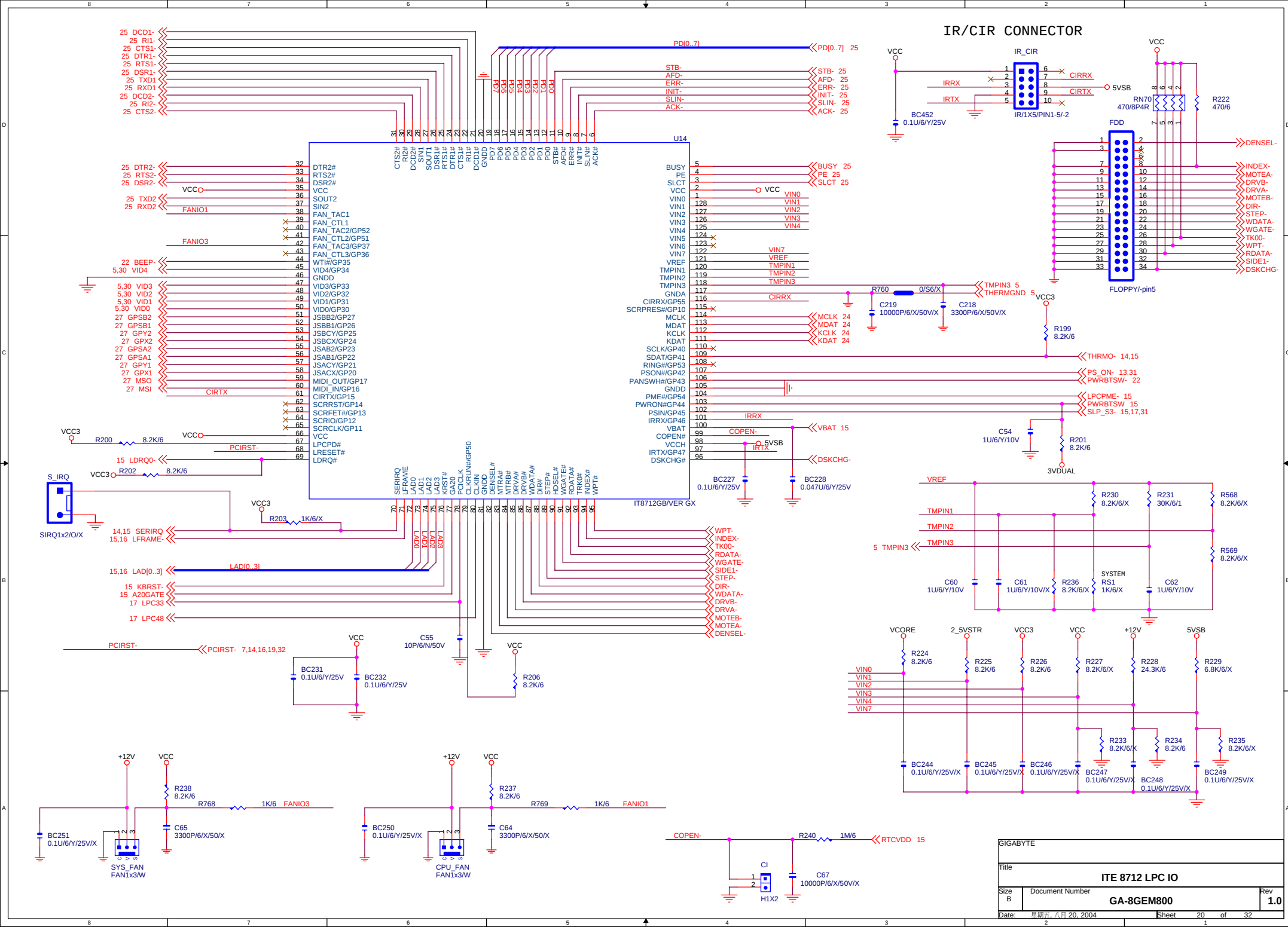




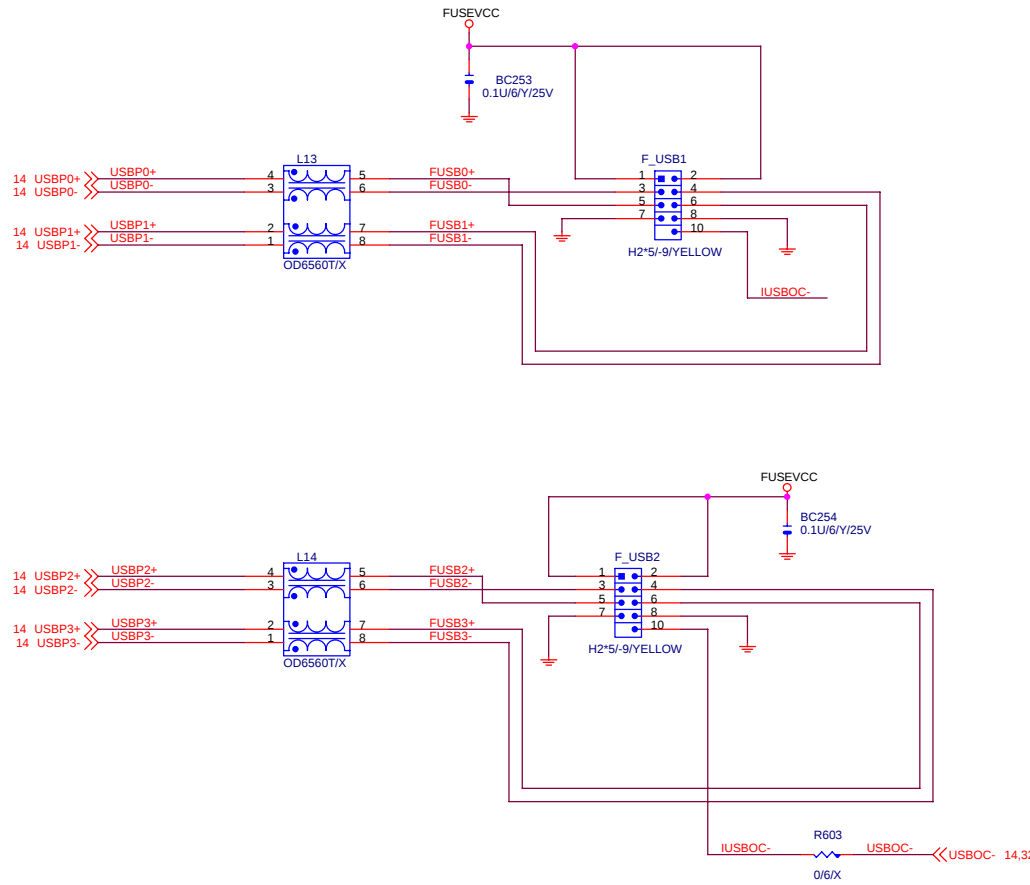


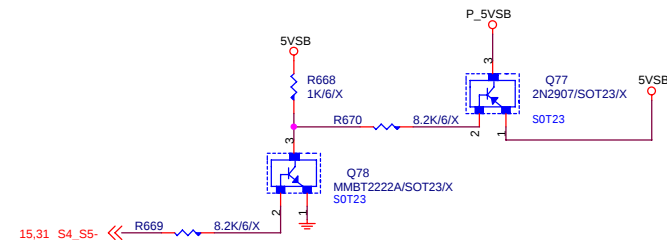
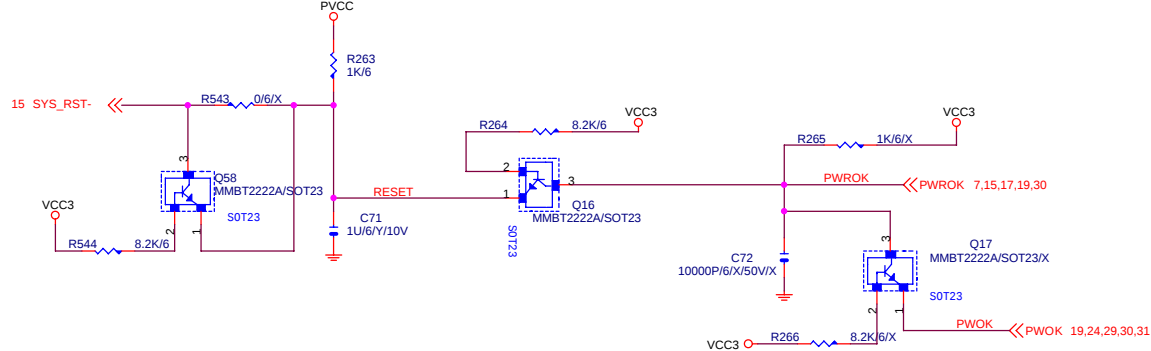




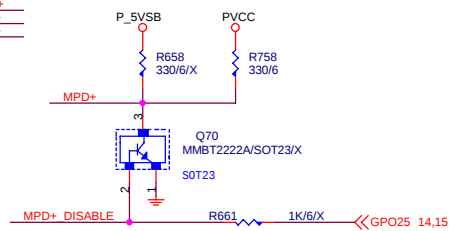
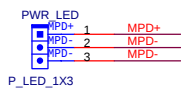


ICH4 USB2.0





3 PIN POWER LED



(GPO25 DEFAULT HI, RESUME WELL AND 可以PROGRAMMING BLINKING)

(GPO28 DEFAULT HIGH, RESUME WELL) States for green LED

LED States	ACPI States	GPO28
ON	S1, S3	0
OFF	S0, S5	1

States for a single-color power LED

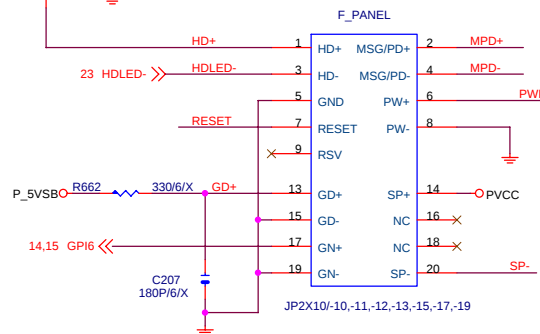
LED States	ACPI States	GPO25	GPO27	GPO35
OFF	S1, S3, S5	1	1	N01
Steady Green	S0	0	1	0
Blinking Green	S0(message waiting)	0	0	0

N01 GPO35 只需在 S1 PROGRAMMING LOW

States for a dual-color power LED

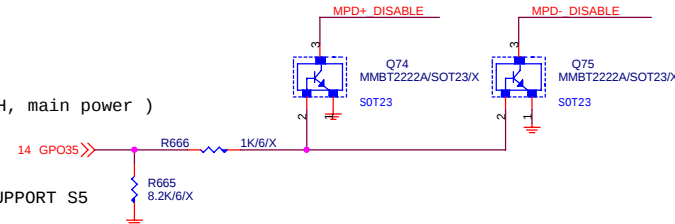
LED States	ACPI States	GPO25	GPO27	GPO35
OFF	S5	1	1	X
Steady Green	S0	0	1	0
Blinking Green	S0(message waiting)	0	0	0
Steady Yellow	S1, S3	1	0	N01
Blinking Yellow	S1, S3(message waiting)	1	0	N01

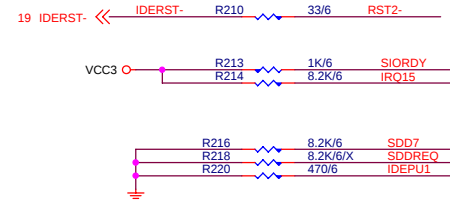
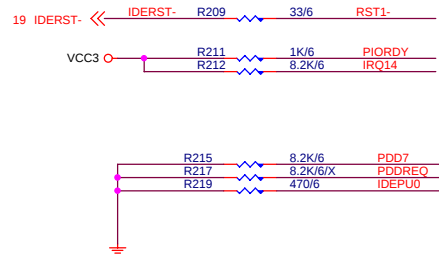
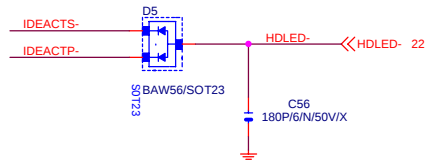
INTEL FRONT PANEL



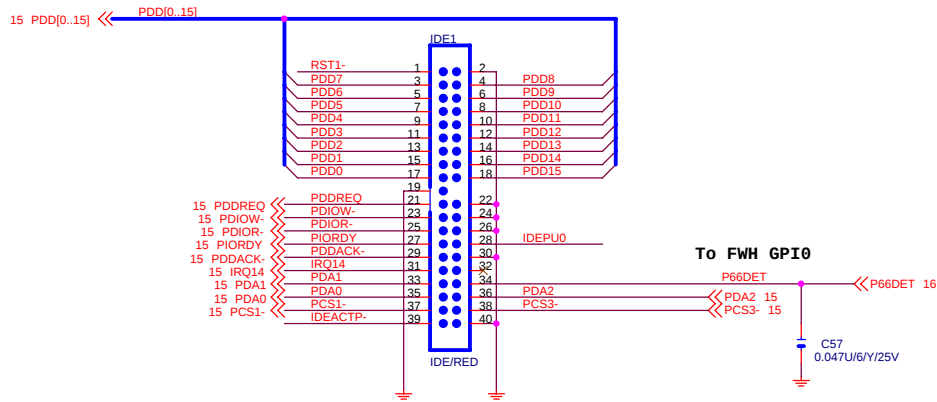
(DEFAULT HIGH, main power)

IF GPO35 有 SUPPORT S5 LOW, S0 HIGH 則不需使用此CIRCUIT

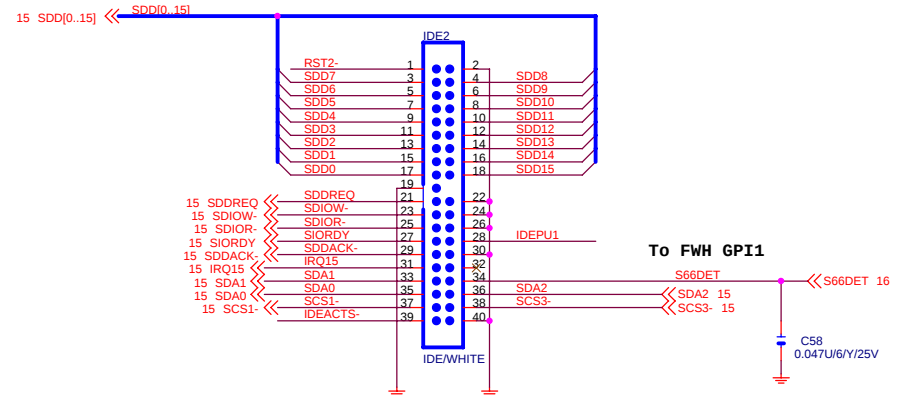


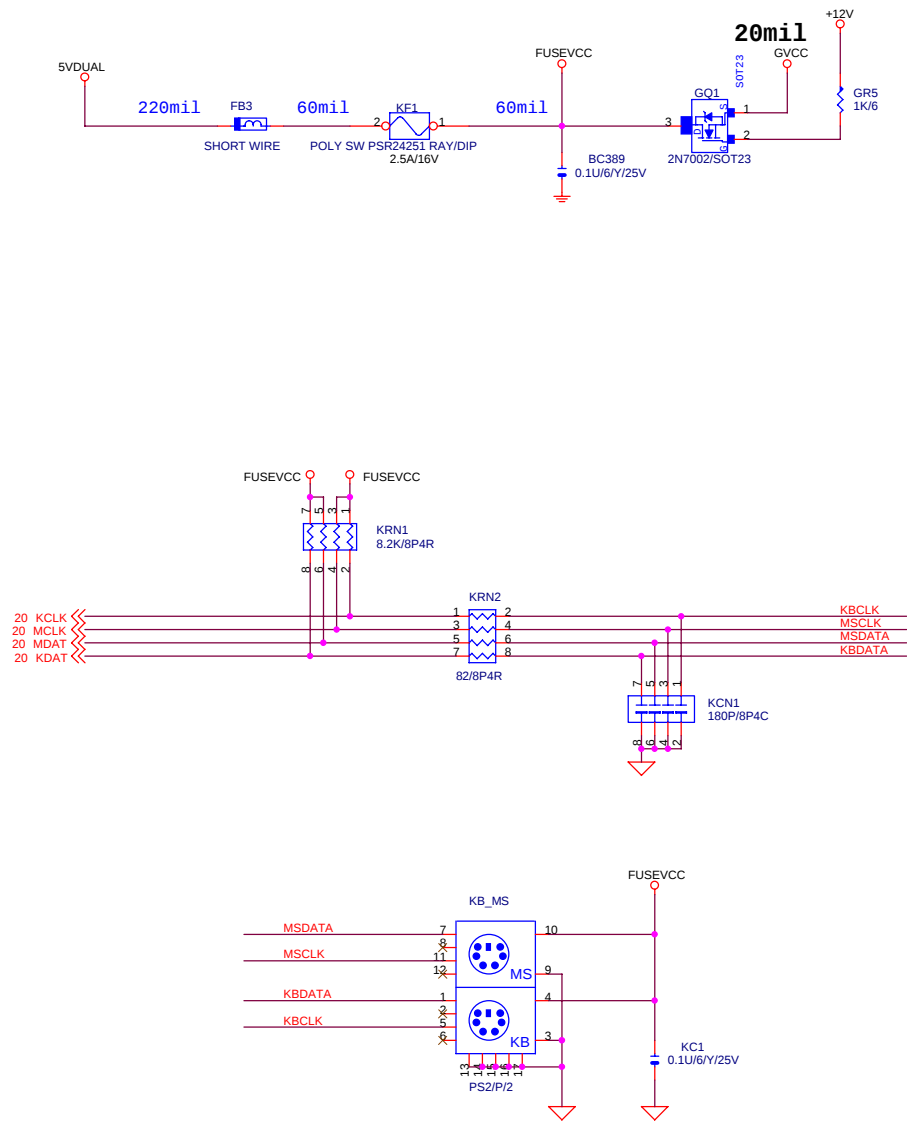


PRIMARY IDE CONNECTOR



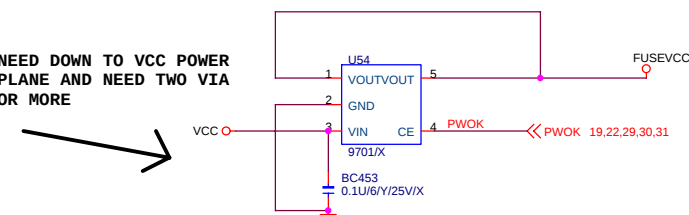
SECONDARY IDE CONNECTOR





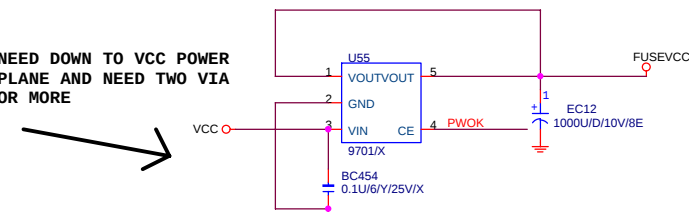
NEAR F_USB1 CONNECTOR

NEED DOWN TO VCC POWER PLANE AND NEED TWO VIA OR MORE



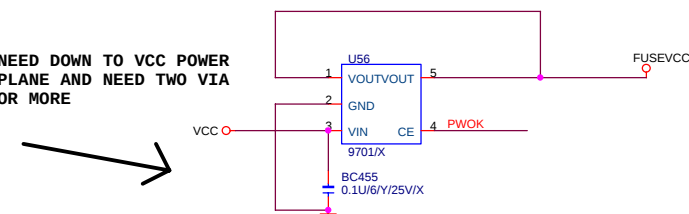
NEAR F_USB2 CONNECTOR

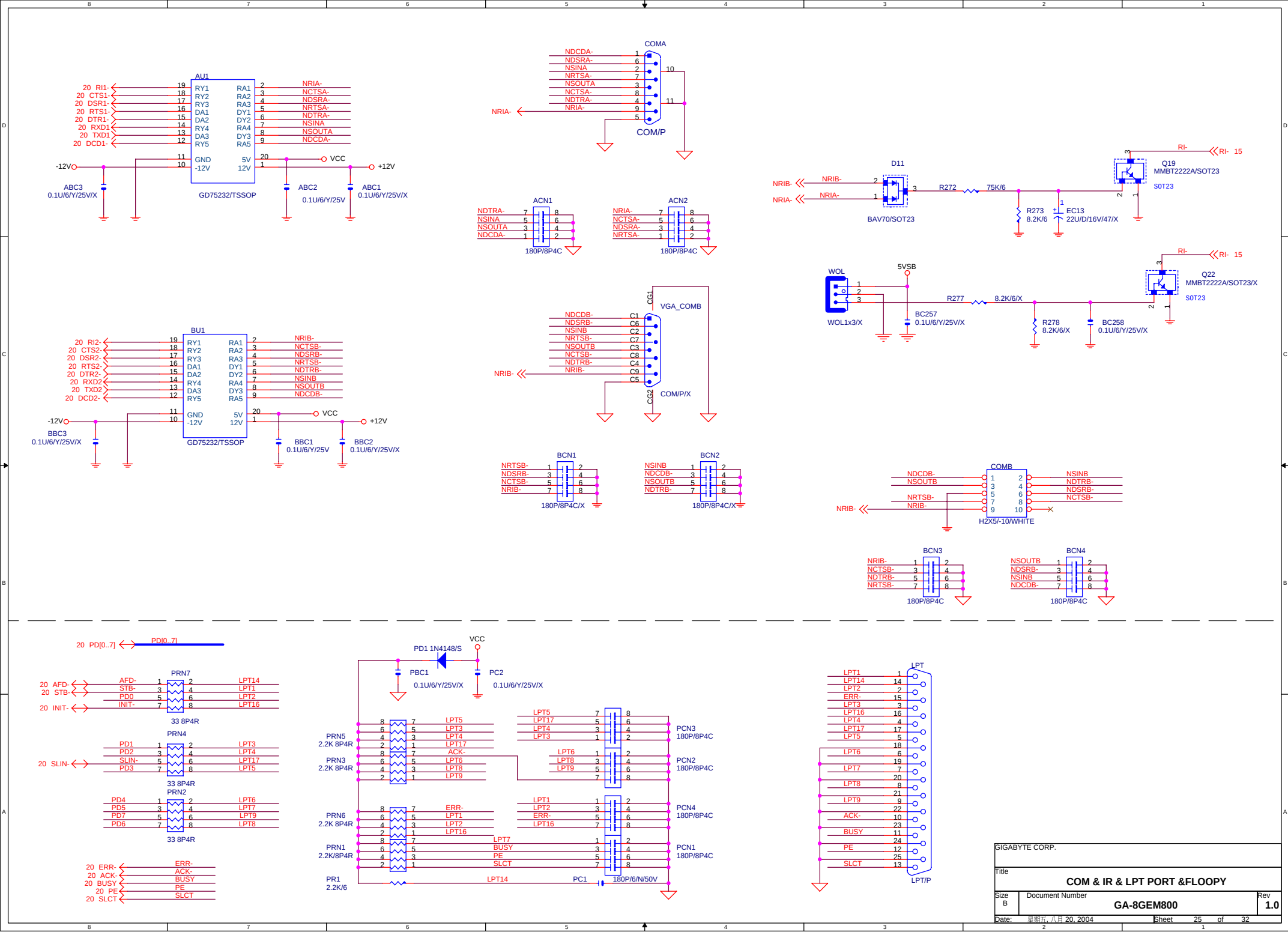
NEED DOWN TO VCC POWER PLANE AND NEED TWO VIA OR MORE

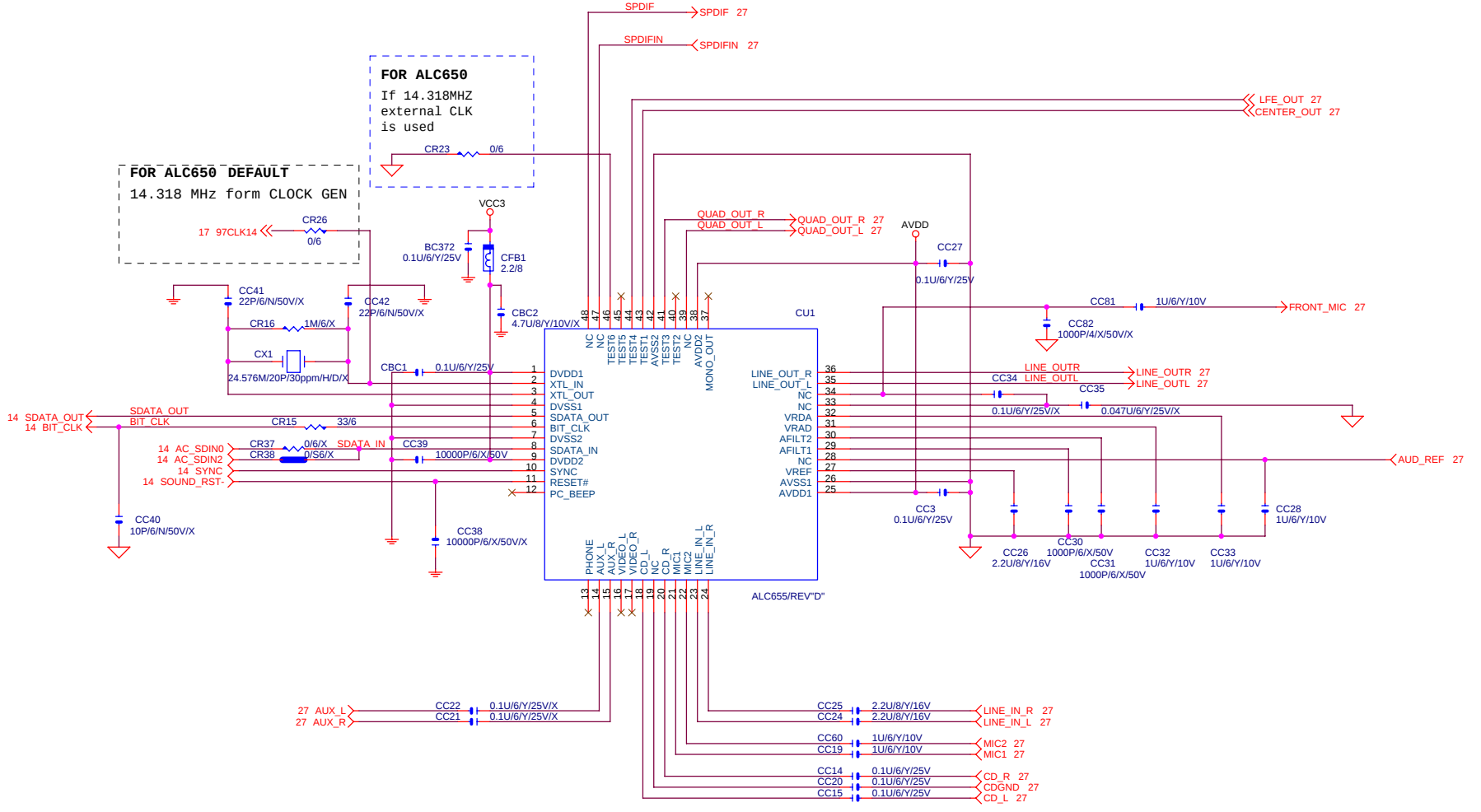


NEAR USB_LAN CONNECTOR

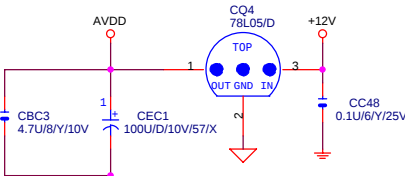
NEED DOWN TO VCC POWER PLANE AND NEED TWO VIA OR MORE







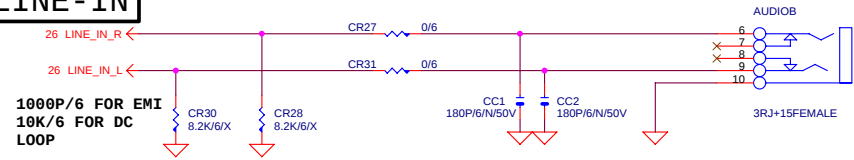
AVDD



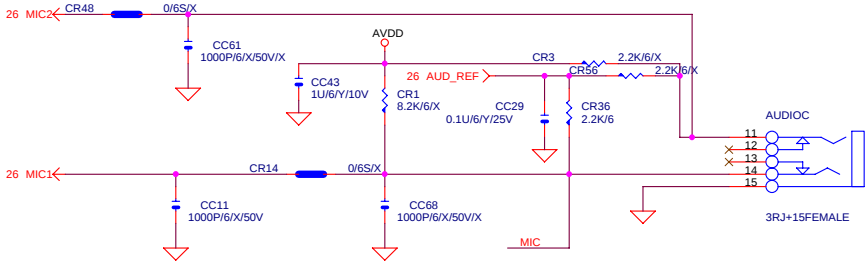
C0-LAYOUT

GIGABYTE CORP.			
Title			
AC97			
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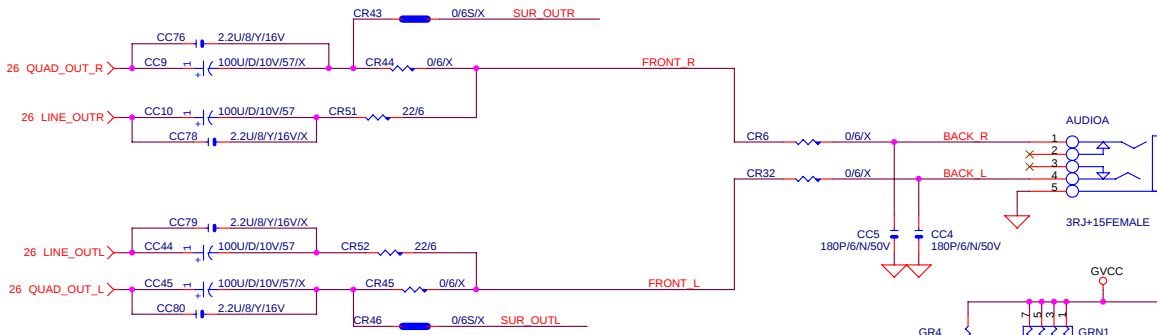
LINE-IN



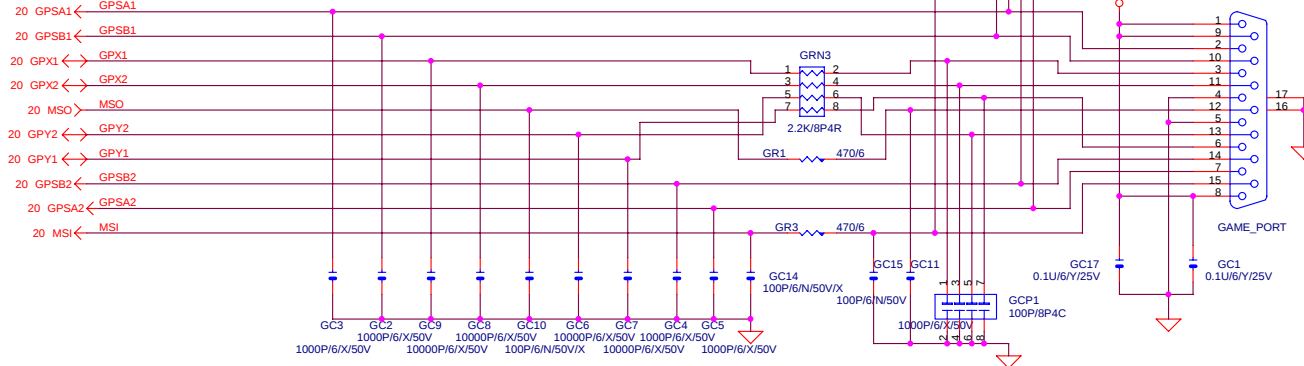
MIC



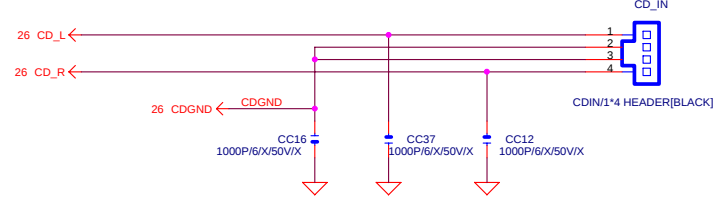
LINE OUT



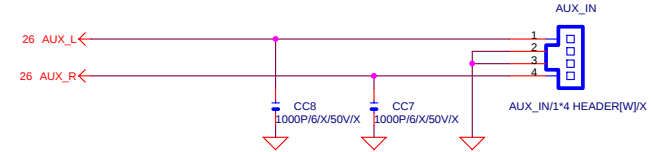
GAME_PORT



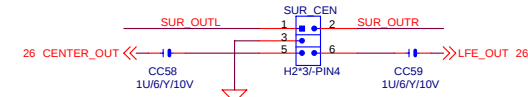
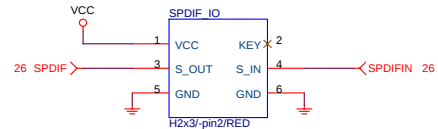
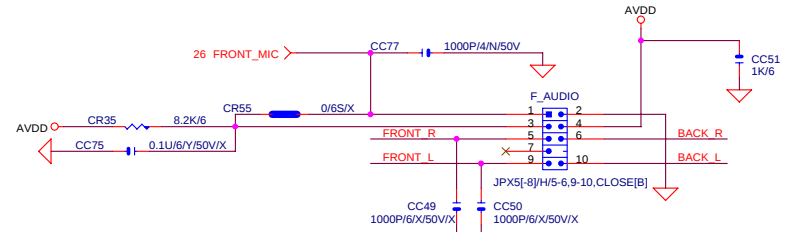
CDIN



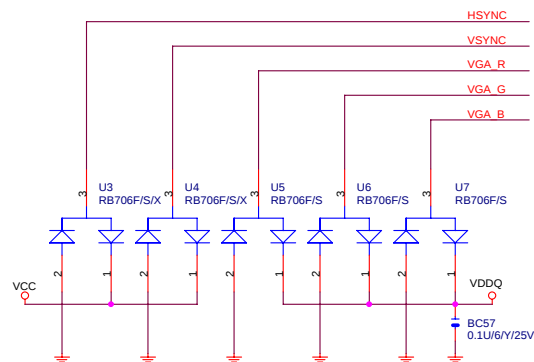
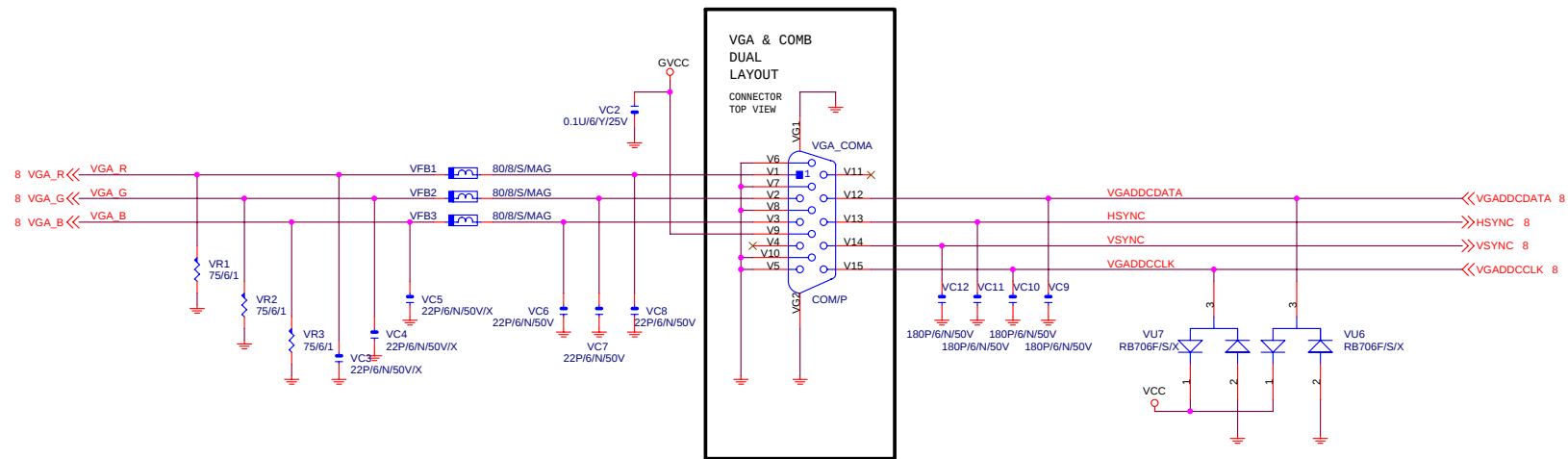
AUX_IN



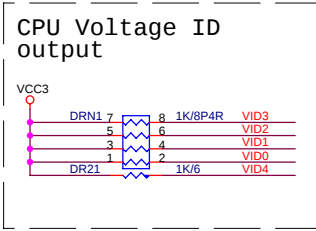
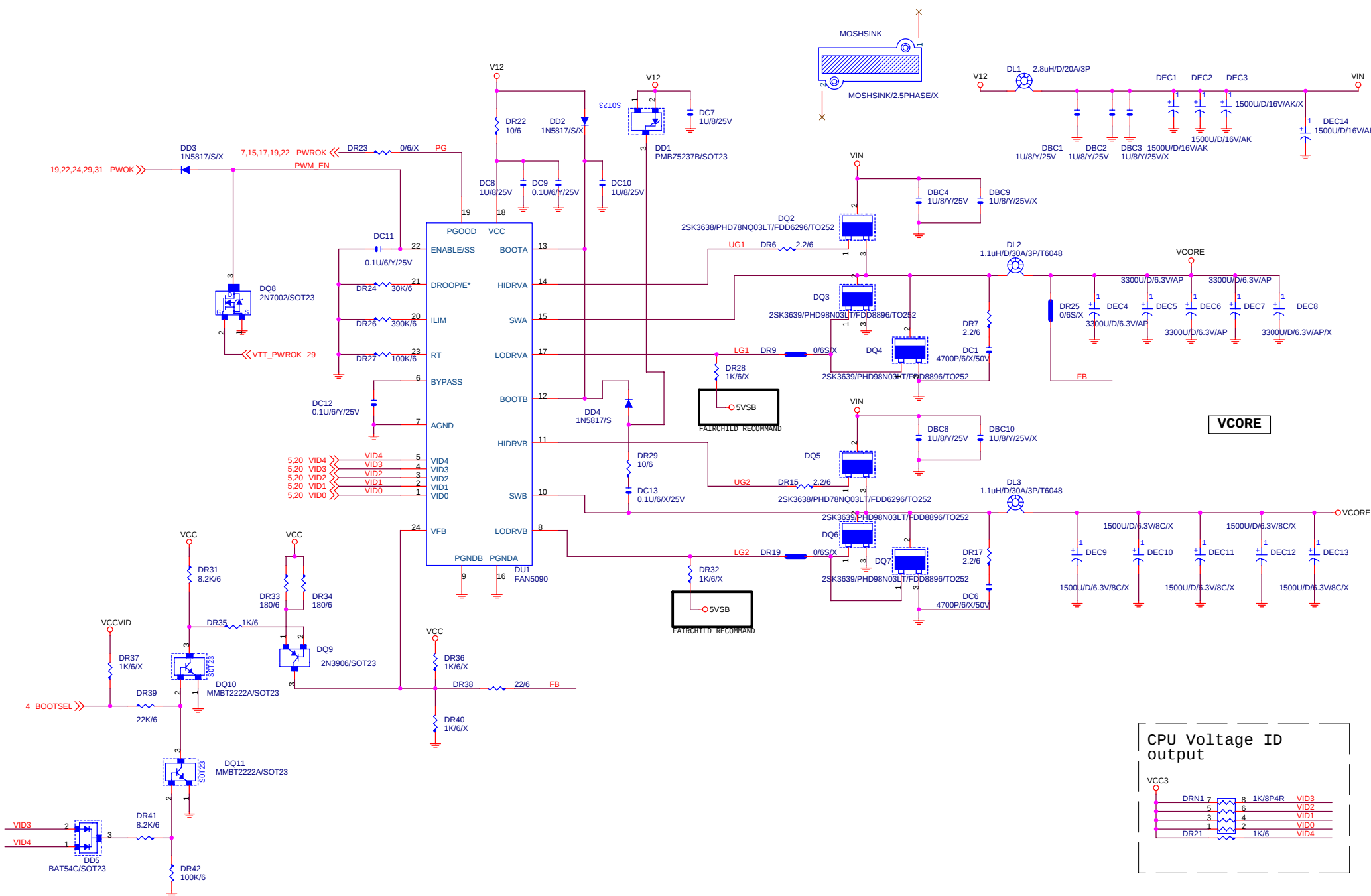
INTEL FRONT AUDIO



GIGABYTE CORP.			
Title			
PHONE JACK, GAME PORT			
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