

Model Name: GA-H110M-WW

rev:1.0

SHEET

TITLE

01	COVER SHEET
02	BOM & PCB MODIFY HISTORY
03	BLOCK DIAGRAM
04	CPU_LGA1151-A
05	CPU_LGA1151-B-DDR4
06	CPU_LGA1151-C
07	CPU_LGA1150-D
08	DDR4 CHANNEL A
09	DDR4 CHANNEL B
10	PCH_CLK BUFFER
11	PCH_DMI,USB,PCIE
12	PCH_MISC
13	PCH SATA,PCIE,SATA_EXPRESS
14	PCH_PWR,GND
15	Dual BIOS
16	ITE 8628 LPC IO
17	HWM
18	FAN CTRL--SIO
19	PCI EXPRESS*16 SLOT
20	PCI EXPRESS*1 SLOT
21	SATA
22	ISL95858_856 PWM
23	ISL95858_856 MOS_VCORE
24	ISL95858_856 MOS_VCCGT
25	VCCSA_VCCIO_VCCPLL
26	RT8237_DDR_VDDQ
27	RT8068_VPP

SHEET

TITLE

28	RT8237_PCH_VCC1_0_PCH
29	DISCRETE POWER
30	ATX POWER , A_-PROCHOT
31	KB_MS_USB
32	RTD2168 - DP to VGA - IC
33	RTD2168 - DP to VGA - Conn
34	R_USB30
35	REALTEK - RTL8111G
36	USB20_LAN CONNECTOR-RTL8111G
37	Realtek ALC887
38	REAR AUDIO JACK
39	F_USB30
40	F_USB20
41	COM , LPT , TPM
42	F_PANEL
43	EMI/ESD
44	IT8892E/JX
45	PCI SLOT
46	POWER MAP
47	TABLE LIST
48	NTC MAP
49	
50	
51	

Gigabyte Technology

Title		
Cover Sheet		
Size	Document Number	Rev
Custom	GA-H110M-WW	1.0
Date:	Thursday, July 07, 2016	Sheet 1 of 49

Model Name: GA-H110M-WW

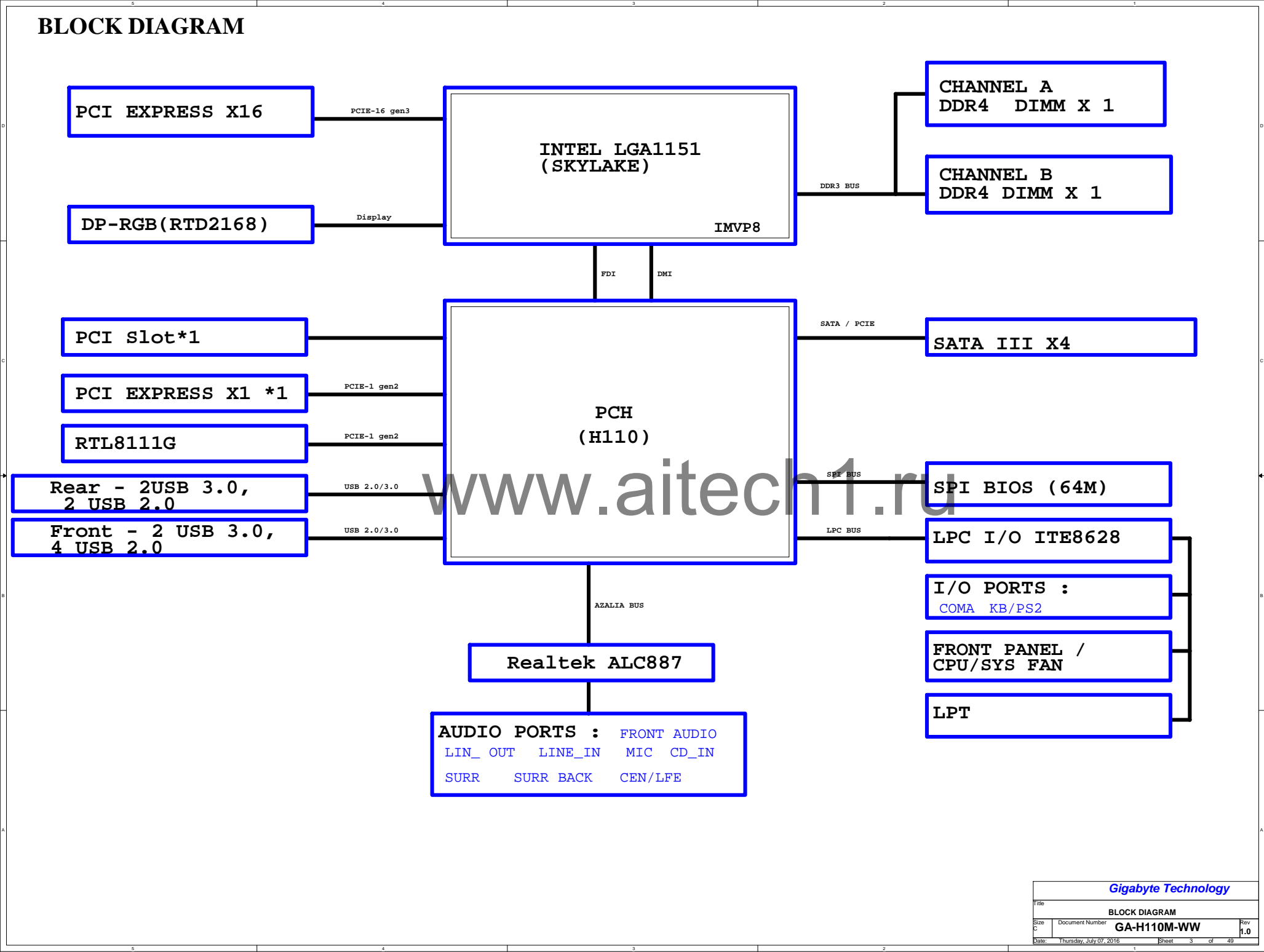
rev:1.0 Circuit or PCB layout change

Component value change history

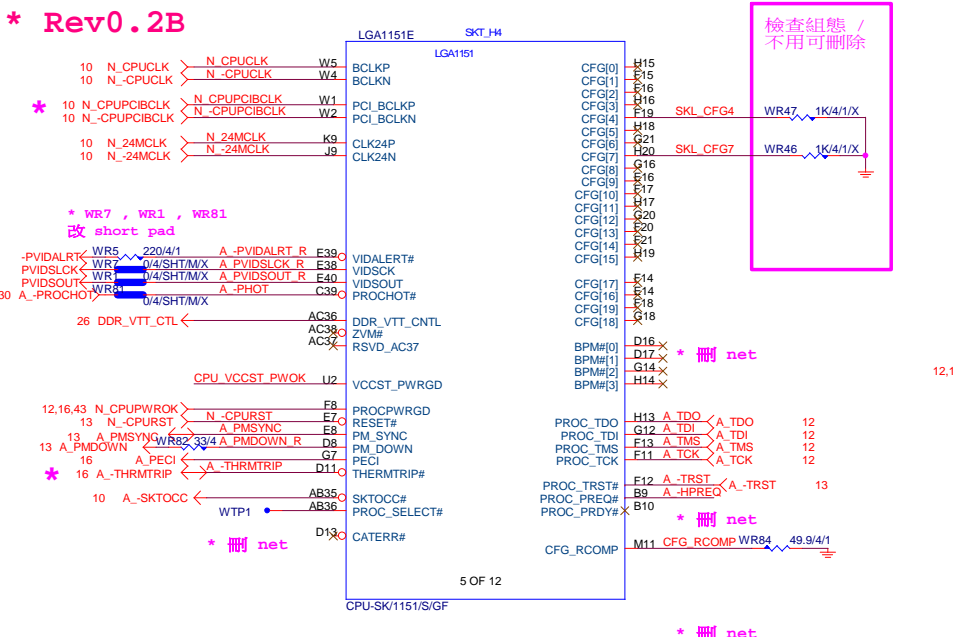
2016/07/04

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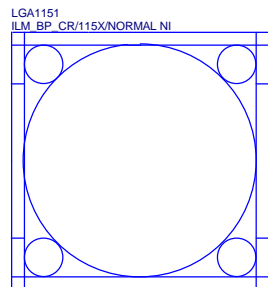
BLOCK DIAGRAM



* Rev0.2B



* 改DDR4 net



Need check the new CPU ME



8 MODT A[0..1] \longleftrightarrow MODT A[0..1]

9 MODT B[0..1] \leftrightarrow MODT B[0..1]

8 MDA[0..63] \longleftrightarrow MDA[0..63]

9 $\text{MDB}[0..63] \longleftrightarrow \text{MDB}[0..63]$

8 M_DQSA[0..7] \longleftrightarrow M_DQSA[0..7]

8 M-DQSA[0..7] \longleftrightarrow M-DQSA[0..7]

8 MAAA[0..16] \longleftrightarrow MAAA[0..16]

9 MAAB[0..16] \longleftrightarrow MAAB[0..16]

9 M_DQSB[0..7] \longleftrightarrow M_DQSB[0..7]

9 M_-DQSB[0..7] \longleftrightarrow M_-DQSB[0..7]

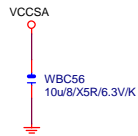
DDR CHANNEL
B

2 OF 12

Gigabyte Technology

Title	CPU LGA1151-B
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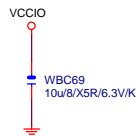
Size Custom	Document Number GA-H110M-WW	Rev 1.0
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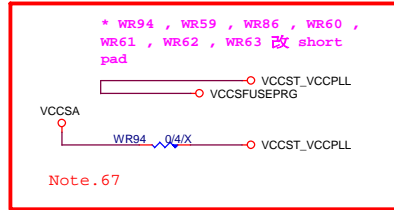
* 刪 WBC50 電容

* WBC51 , WBC52
VDDQ 改 VCCSA

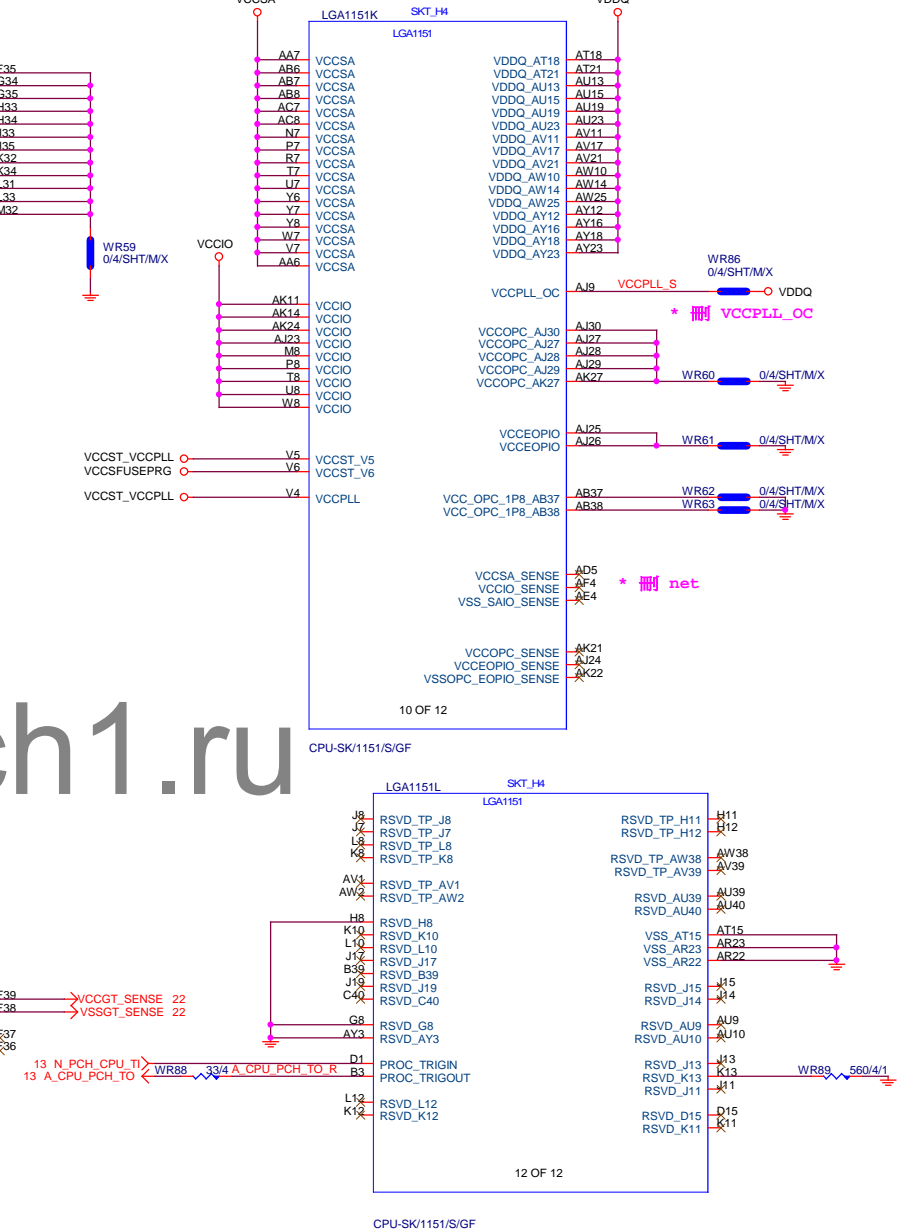
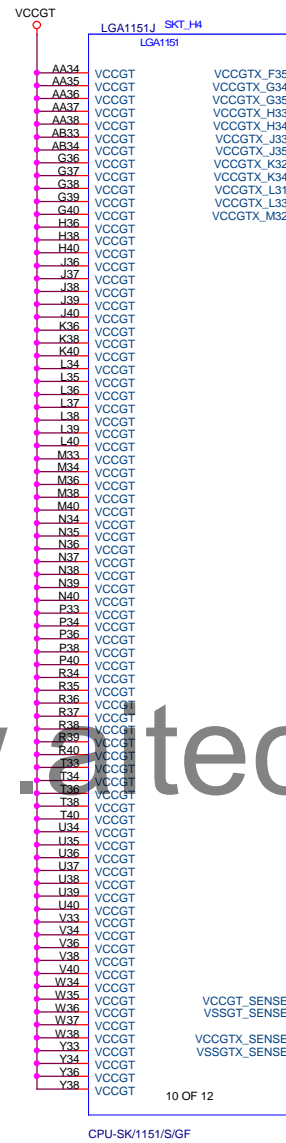
* 刪 WBC124 , WBC125 , WBC126 , WBC127 電容

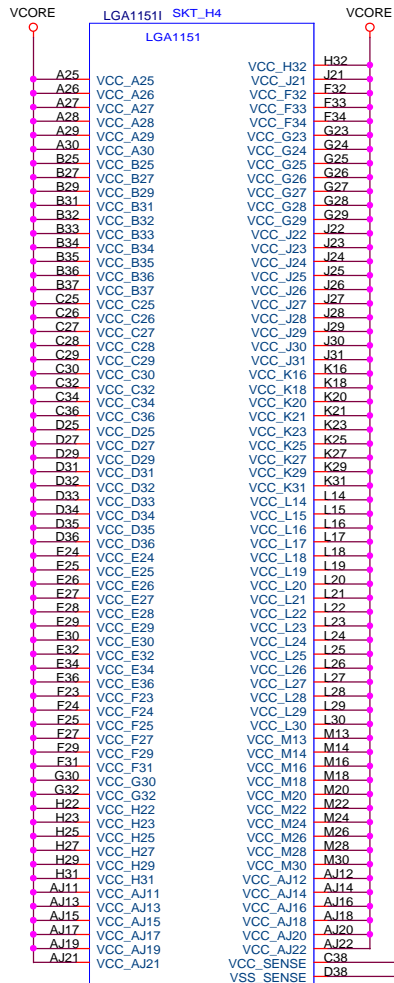


* 刪 VCCGT 電容



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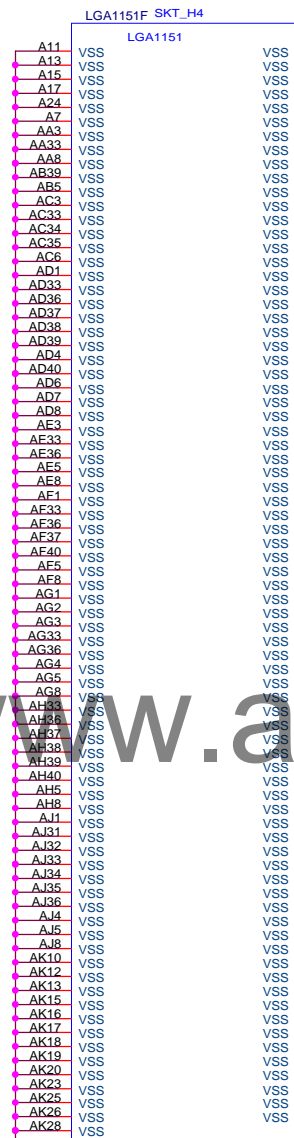




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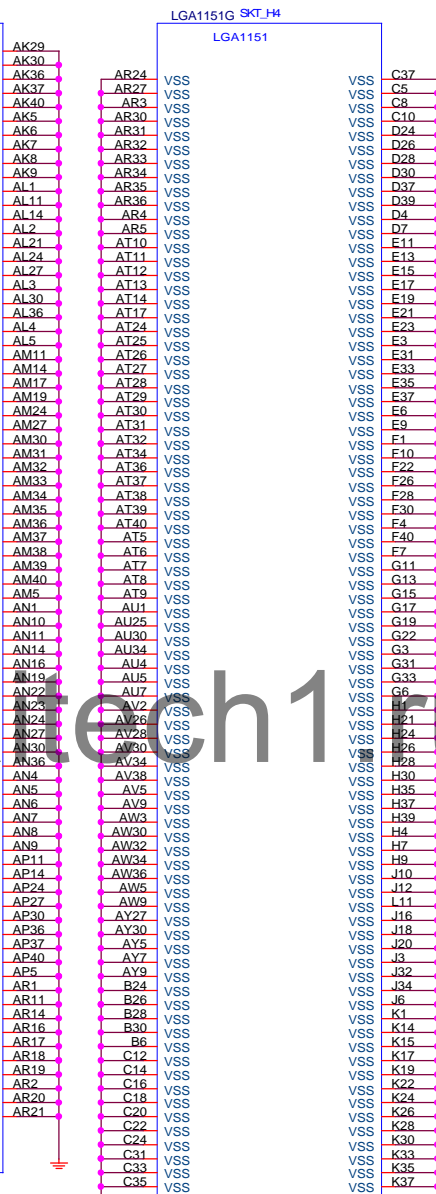
CPU-SK/1151/S/GF

* 刪 Vcore 電容



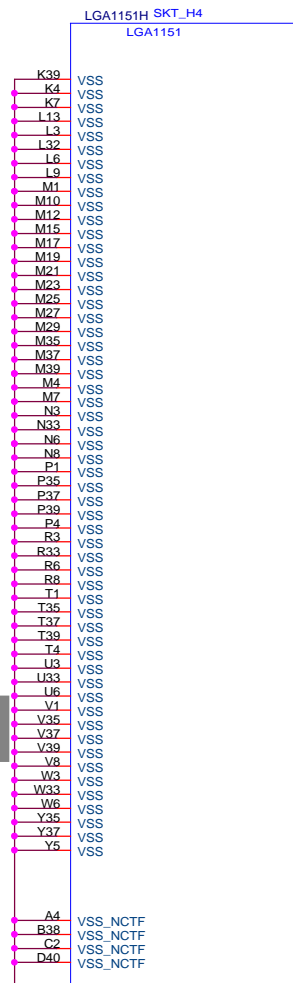
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CPU-SK/1151/S/GF



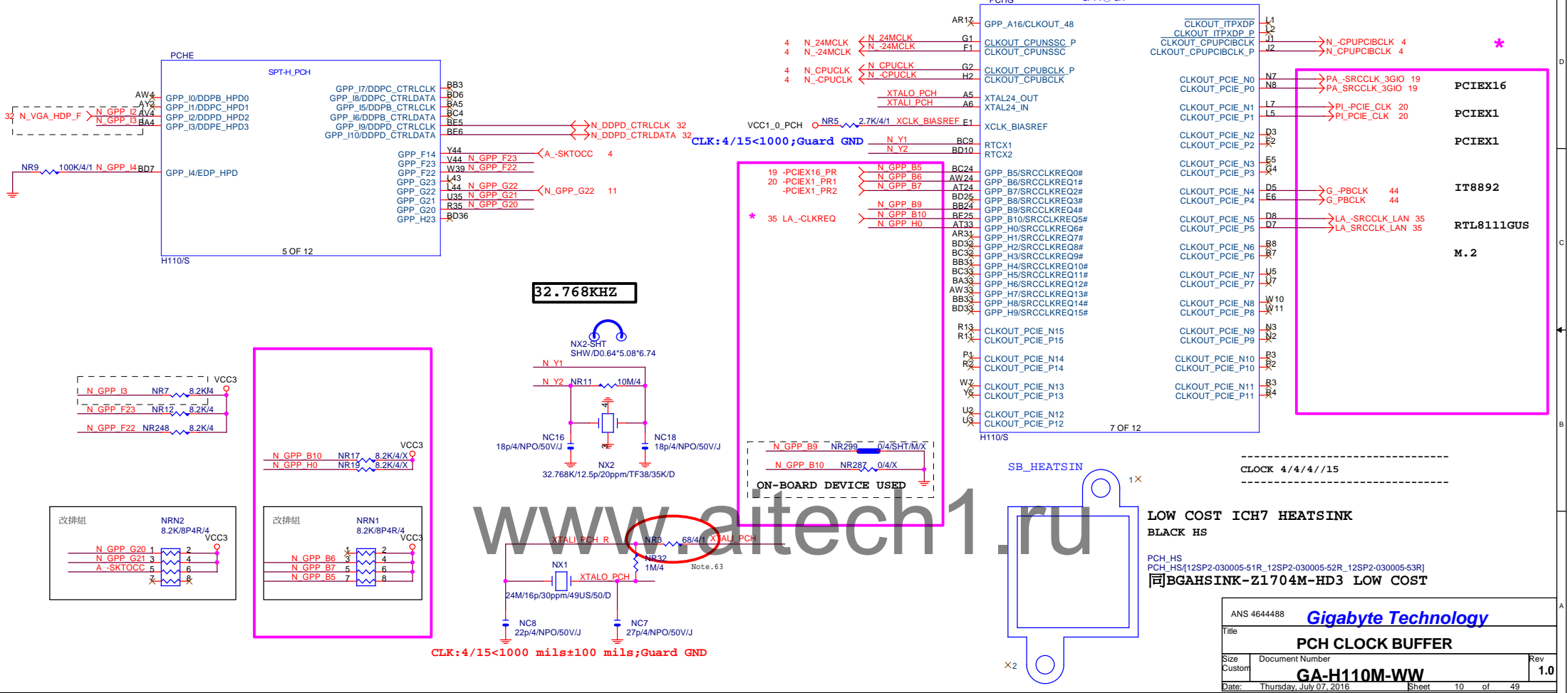
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CPU-SK/1151/S/GF

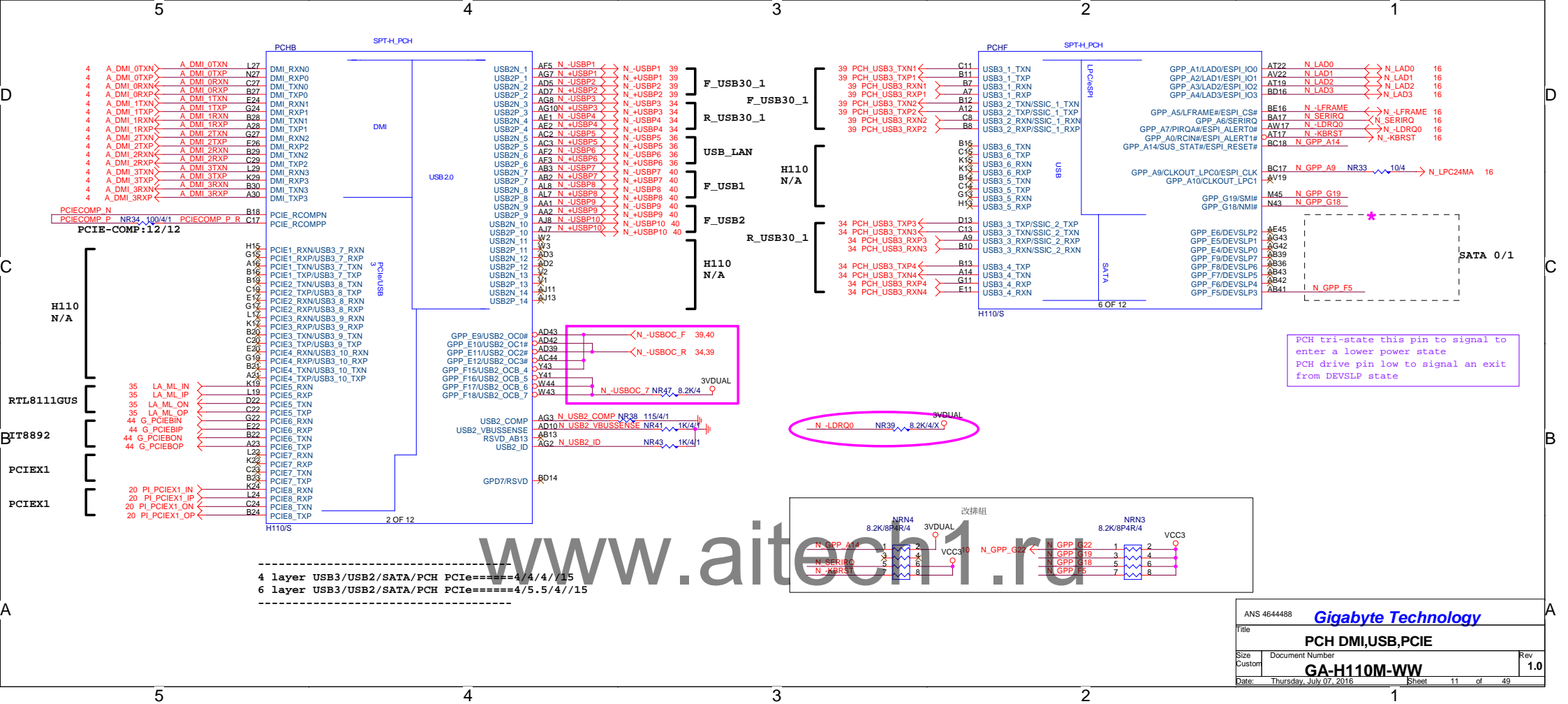


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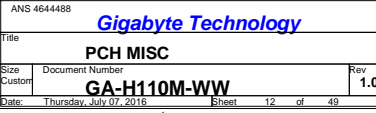
CPU-SK/1151/S/GF



ANS 4644488		Gigabyte Technology	
Title			
PCH CLOCK BUFFER			
Size Custom	Document Number		Rev 1.0
GA-H110M-WW			
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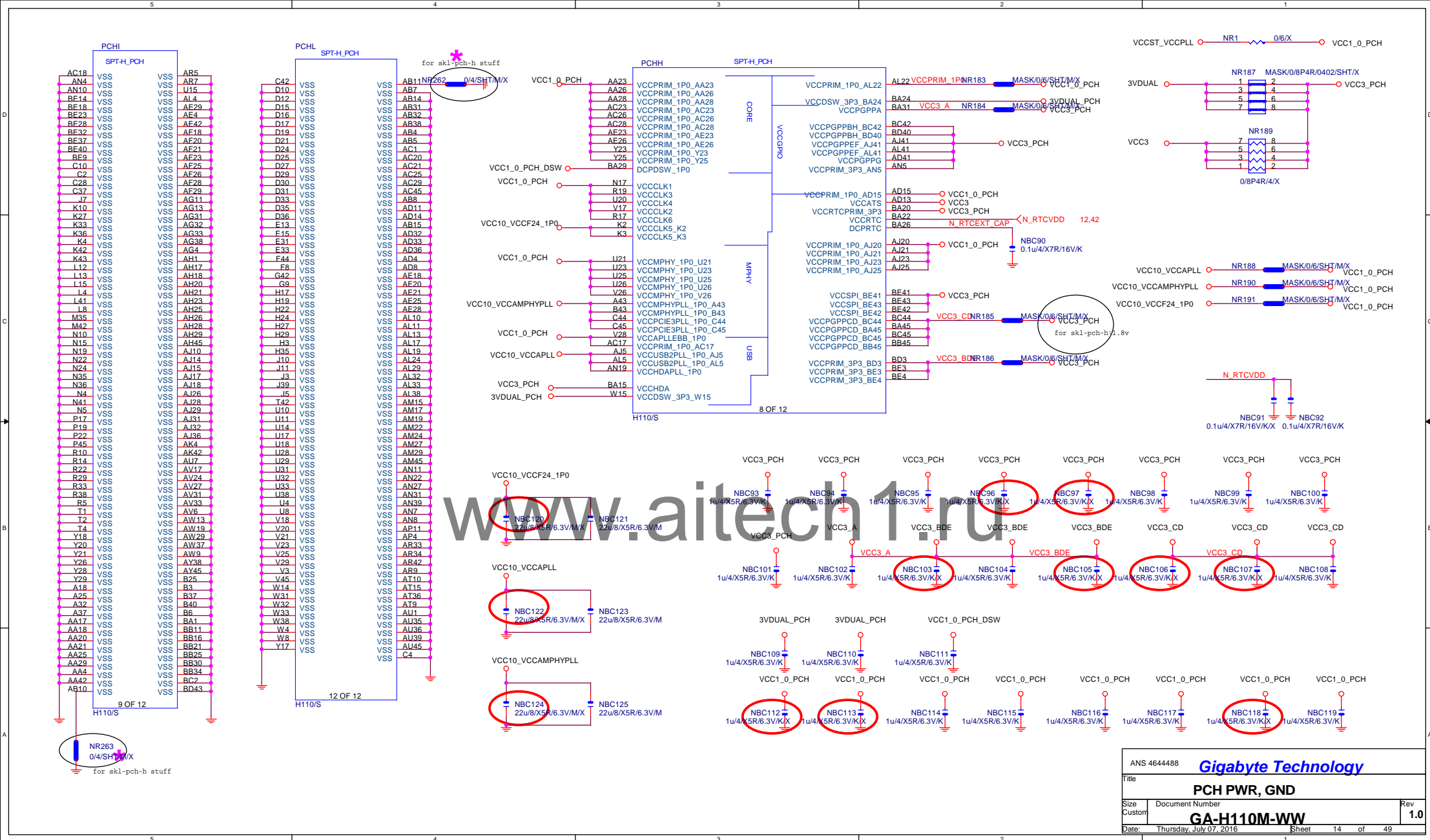


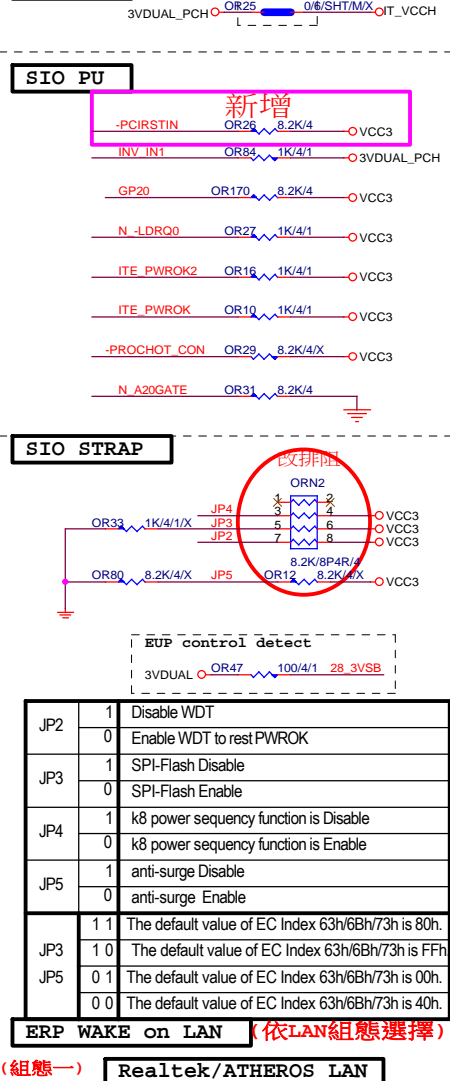
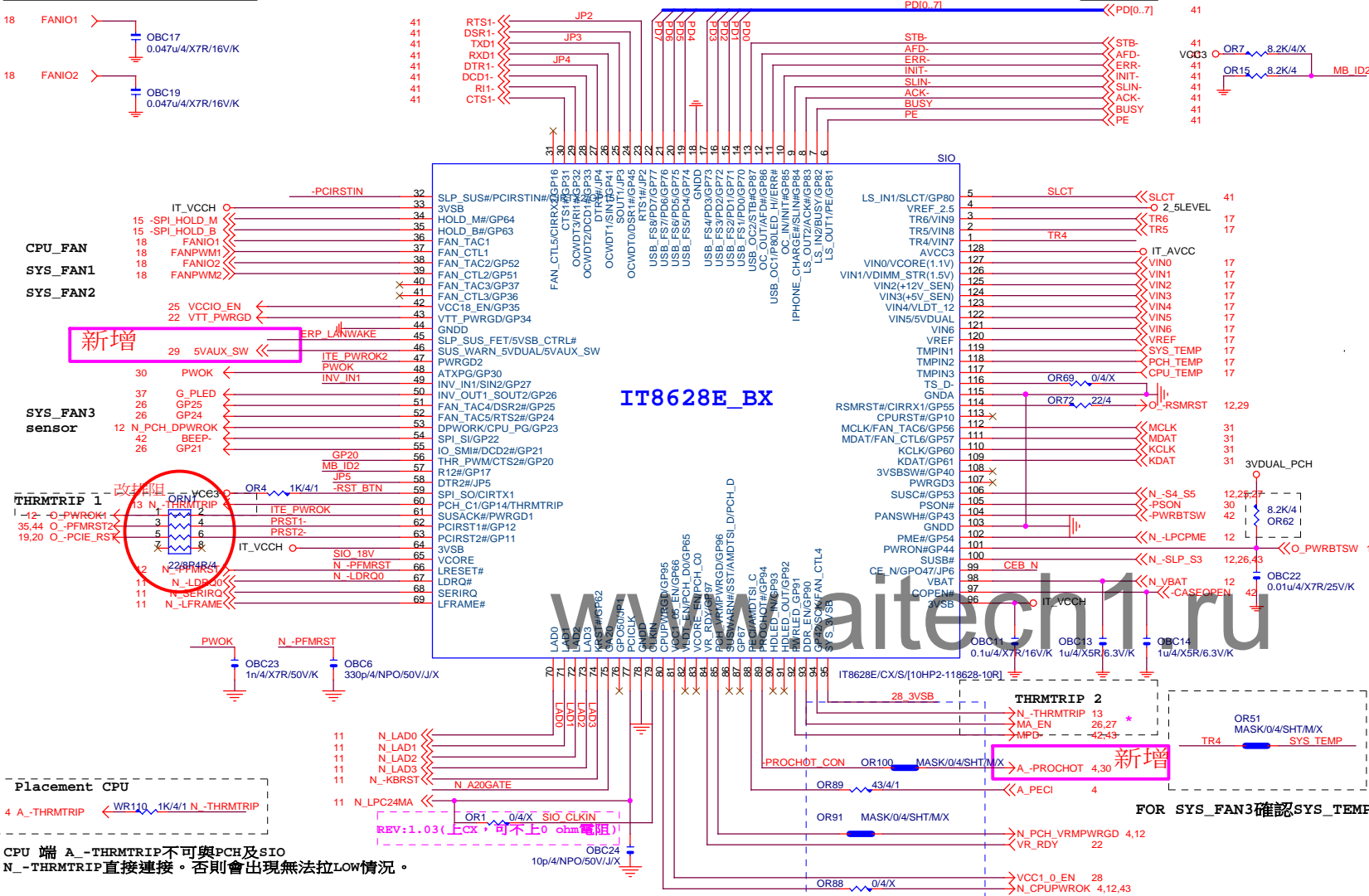
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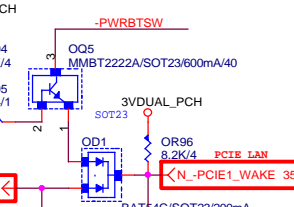
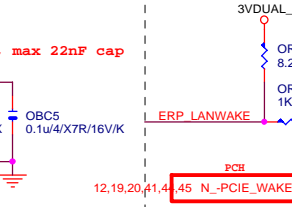
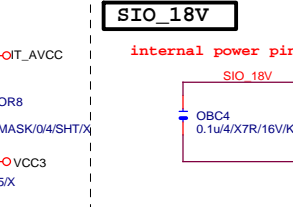
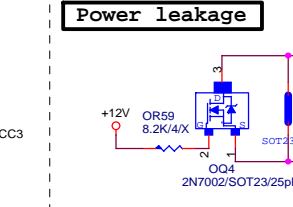
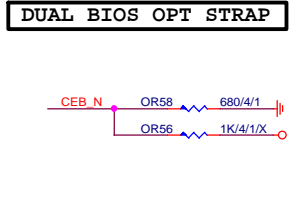
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FAN TABLE	
CPU_FAN	FAN_CTL1 FAN_TAC1
SYS_FAN1	FAN_CTL2 FAN_TAC2
SYS_FAN2	FAN_CTL3 FAN_TAC3
SYS_FAN3	FAN_CTL5 FAN_TAC5
OPT_FAN or SYS_FAN4	N/A
THRMTRIP1	YES PIN60
THRMTRIP2	YES PIN94

IT8620E GPIO問題匯整	
PIN 50	GP26-第一次接上POWER時 會拉 Lo
PIN 90/91	DEFAULT為HDLed FUNCTION, GP93 BYPASS TO GP92 高溫時 GP92 會被拉Lo(ITE BUG)
PIN 108	GP40--- POWER ON 時會拉 Lo
PIN 111/112	MOUSE 跟FAN6 FUNCTION 擇一使用,不然會互相干擾
PIN 22	PIN22, 需高於3V, 若低於 將部分CON PORT及FET裝置 端漏給會異常動作。



Gigabyte Technology	
Title	
ITE 8628 LPC IO	
Size B	Document Number
GA-H110M-WW	
Date: Thursday, July 07, 2016	Rev 1.0

REV 1.04

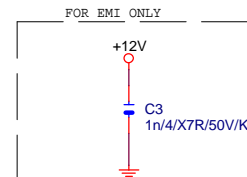


CLOSE VCORE
 MOSFET
 CLOSE VCCGT
 MOSFET
 126~133 degree

Connect to PWM

Connect to PWM

The division voltage of VIN2 & VIN3 must be around 2.9V



VIN2 must +12V input
VIN3 must VCC input

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Title	HWM,KB/MS, FAN CTRL
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Size	Document Number
Custom	CA

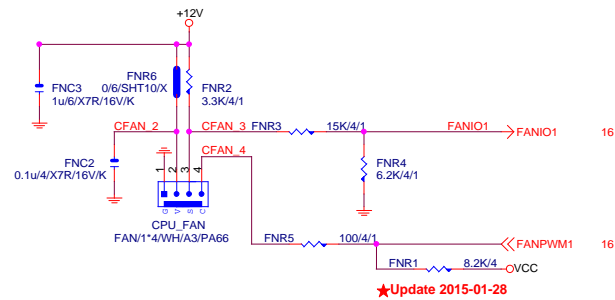
GA-H110M-WW

Rev	
1.0	

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CPU SMART FAN

Rev: 0.53

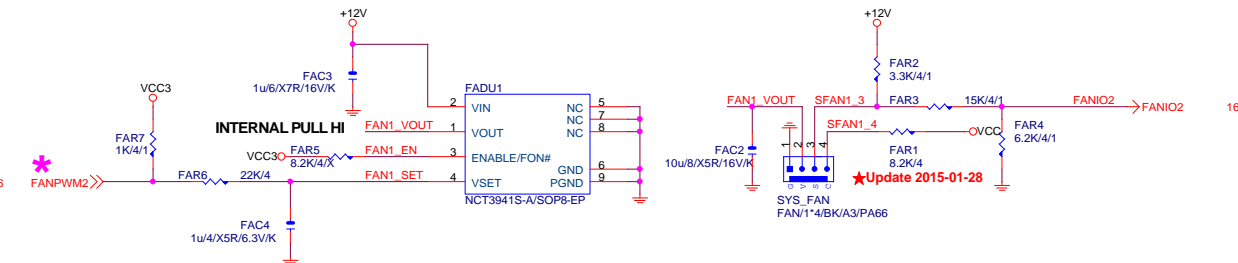


SYSTEM FAN1

Linear SYS_FAN

Enable Function (NCT3941S)
Full Turn On Function (NCT3941S-A)

A.

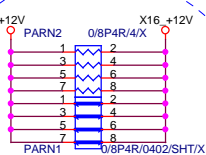


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Title			FAN CTRL
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Custom	GA-H110M-WW	1.0	
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Rev 0.2

+12V_protect
short-wire test

PA_EXP_RXP0_15] >> PA_EXP_RXP0[0..15] 4
 PA_EXP_RXN0_15] >> PA_EXP_RXN0[0..15] 4
 PA_EXP_TXP0_15] >> PA_EXP_TXP0[0..15] 4
 PA_EXP_TXN0_15] >> PA_EXP_TXN0[0..15] 4

PA_EXP_TXP0	PAC5	0.22u/4/X5R/6.3V/K	PA_EXP_TXP0 C
PA_EXP_TXN0	PAC4	0.22u/4/X5R/6.3V/K	PA_EXP_TXN0 C
PA_EXP_TXP1	PAC6	0.22u/4/X5R/6.3V/K	PA_EXP_TXP1 C
PA_EXP_TXN1	PAC7	0.22u/4/X5R/6.3V/K	PA_EXP_TXN1 C
PA_EXP_TXP2	PAC8	0.22u/4/X5R/6.3V/K	PA_EXP_TXP2 C
PA_EXP_TXN2	PAC9	0.22u/4/X5R/6.3V/K	PA_EXP_TXN2 C
PA_EXP_TXP3	PAC10	0.22u/4/X5R/6.3V/K	PA_EXP_TXP3 C
PA_EXP_TXN3	PAC11	0.22u/4/X5R/6.3V/K	PA_EXP_TXN3 C
PA_EXP_TXP4	PAC12	0.22u/4/X5R/6.3V/K	PA_EXP_TXP4 C
PA_EXP_TXN4	PAC13	0.22u/4/X5R/6.3V/K	PA_EXP_TXN4 C
PA_EXP_TXP5	PAC14	0.22u/4/X5R/6.3V/K	PA_EXP_TXP5 C
PA_EXP_TXN5	PAC15	0.22u/4/X5R/6.3V/K	PA_EXP_TXN5 C
PA_EXP_TXP6	PAC16	0.22u/4/X5R/6.3V/K	PA_EXP_TXP6 C
PA_EXP_TXN6	PAC17	0.22u/4/X5R/6.3V/K	PA_EXP_TXN6 C
PA_EXP_TXP7	PAC18	0.22u/4/X5R/6.3V/K	PA_EXP_TXP7 C
PA_EXP_TXN7	PAC19	0.22u/4/X5R/6.3V/K	PA_EXP_TXN7 C
PA_EXP_TXP8	PAC21	0.22u/4/X5R/6.3V/K	PA_EXP_TXP8 C
PA_EXP_TXN8	PAC20	0.22u/4/X5R/6.3V/K	PA_EXP_TXN8 C
PA_EXP_TXP9	PAC22	0.22u/4/X5R/6.3V/K	PA_EXP_TXP9 C
PA_EXP_TXN9	PAC23	0.22u/4/X5R/6.3V/K	PA_EXP_TXN9 C
PA_EXP_TXP10	PAC24	0.22u/4/X5R/6.3V/K	PA_EXP_TXP10 C
PA_EXP_TXN10	PAC25	0.22u/4/X5R/6.3V/K	PA_EXP_TXN10 C
PA_EXP_TXP11	PAC26	0.22u/4/X5R/6.3V/K	PA_EXP_TXP11 C
PA_EXP_TXN11	PAC27	0.22u/4/X5R/6.3V/K	PA_EXP_TXN11 C
PA_EXP_TXP12	PAC28	0.22u/4/X5R/6.3V/K	PA_EXP_TXP12 C
PA_EXP_TXN12	PAC29	0.22u/4/X5R/6.3V/K	PA_EXP_TXN12 C
PA_EXP_TXP13	PAC30	0.22u/4/X5R/6.3V/K	PA_EXP_TXP13 C
PA_EXP_TXN13	PAC31	0.22u/4/X5R/6.3V/K	PA_EXP_TXN13 C
PA_EXP_TXP14	PAC32	0.22u/4/X5R/6.3V/K	PA_EXP_TXP14 C
PA_EXP_TXN14	PAC33	0.22u/4/X5R/6.3V/K	PA_EXP_TXN14 C
PA_EXP_TXP15	PAC34	0.22u/4/X5R/6.3V/K	PA_EXP_TXP15 C
PA_EXP_TXN15	PAC35	0.22u/4/X5R/6.3V/K	PA_EXP_TXN15 C

PCIE16:16/5/5/5/16

PCI-E REV:1.1--> 2.5GHZ

PCE-E X1(單向) BANDWIDTH=2.5GHz*(8b/10b)=2Gb/s=250MB/s

PCE-E X1(雙向) BANDWIDTH=2.5GHz*(8b/10b)X2=4Gb/s=500MB/s

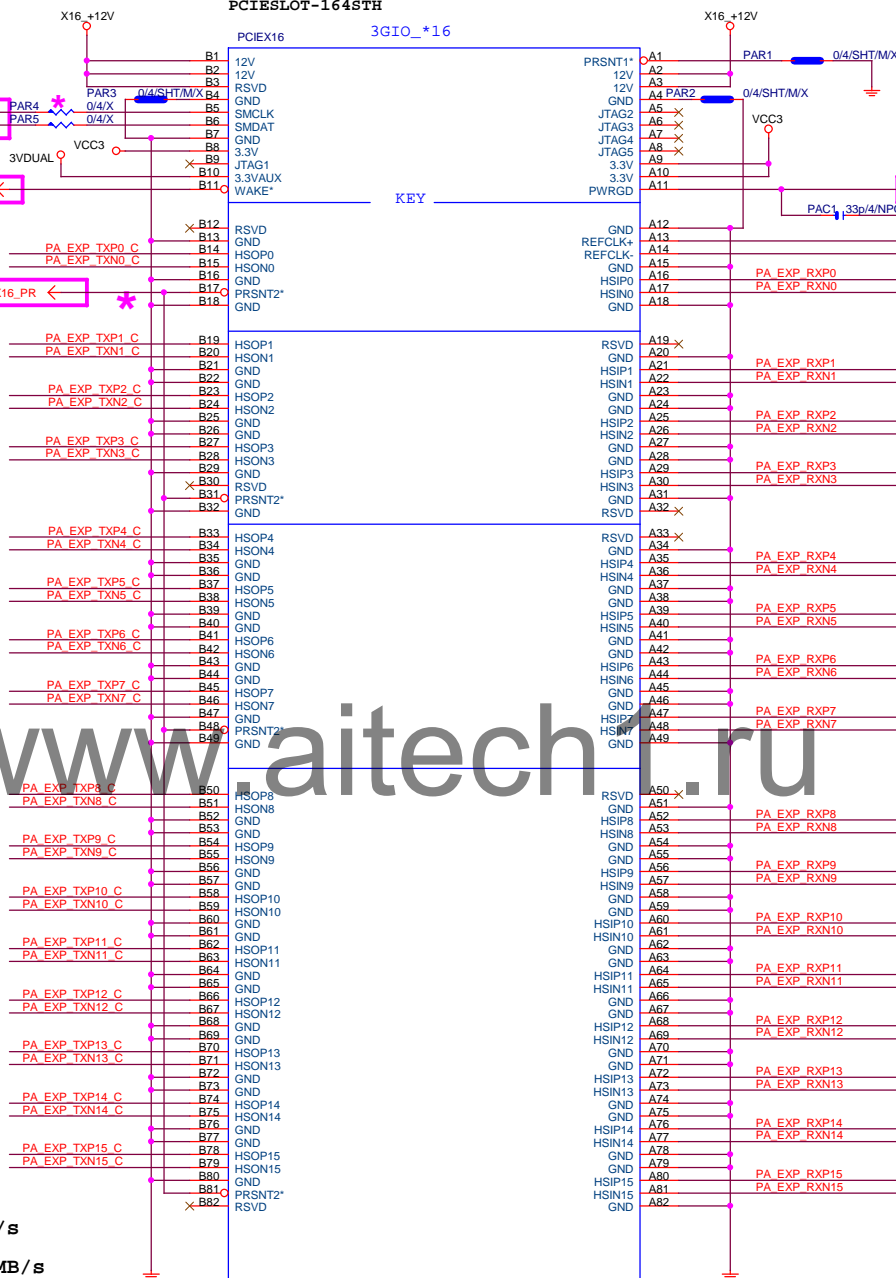
PCE-E X16(單向) BANDWIDTH=2.5GHz*(8b/10b)X16=32Gb/s=4GB/s

PCE-E X16(雙向) BANDWIDTH=2.5GHz*(8b/10b)X16X2=64Gb/s=8GB/s

PCI-E REV:2.0--> 5GHZ

PCIESLOT-1645TH

3GIO_*16

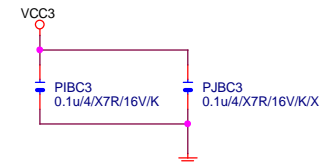


PCI-E/16X-164P/GY/LONG DOUBLE/HK*2

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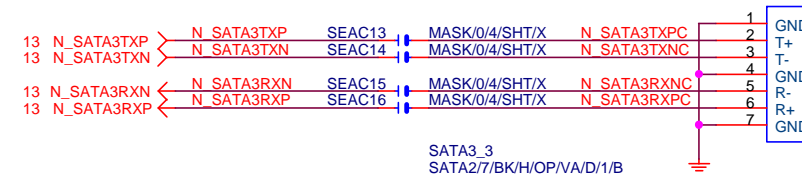
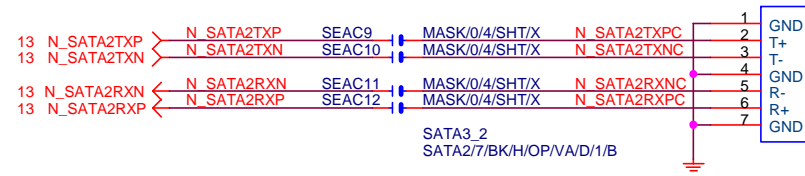
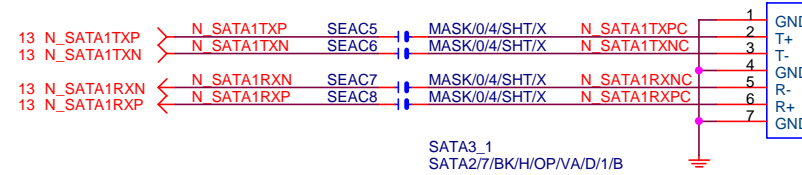
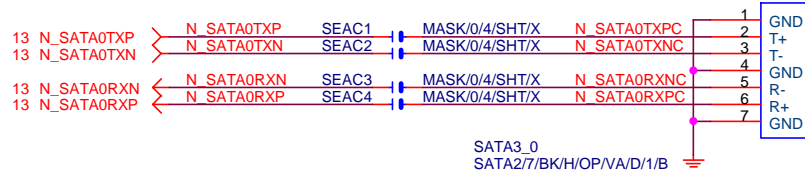
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Size			Document Number	
Custom			GA-H110M-WW	
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			2	1

Rev 1.0



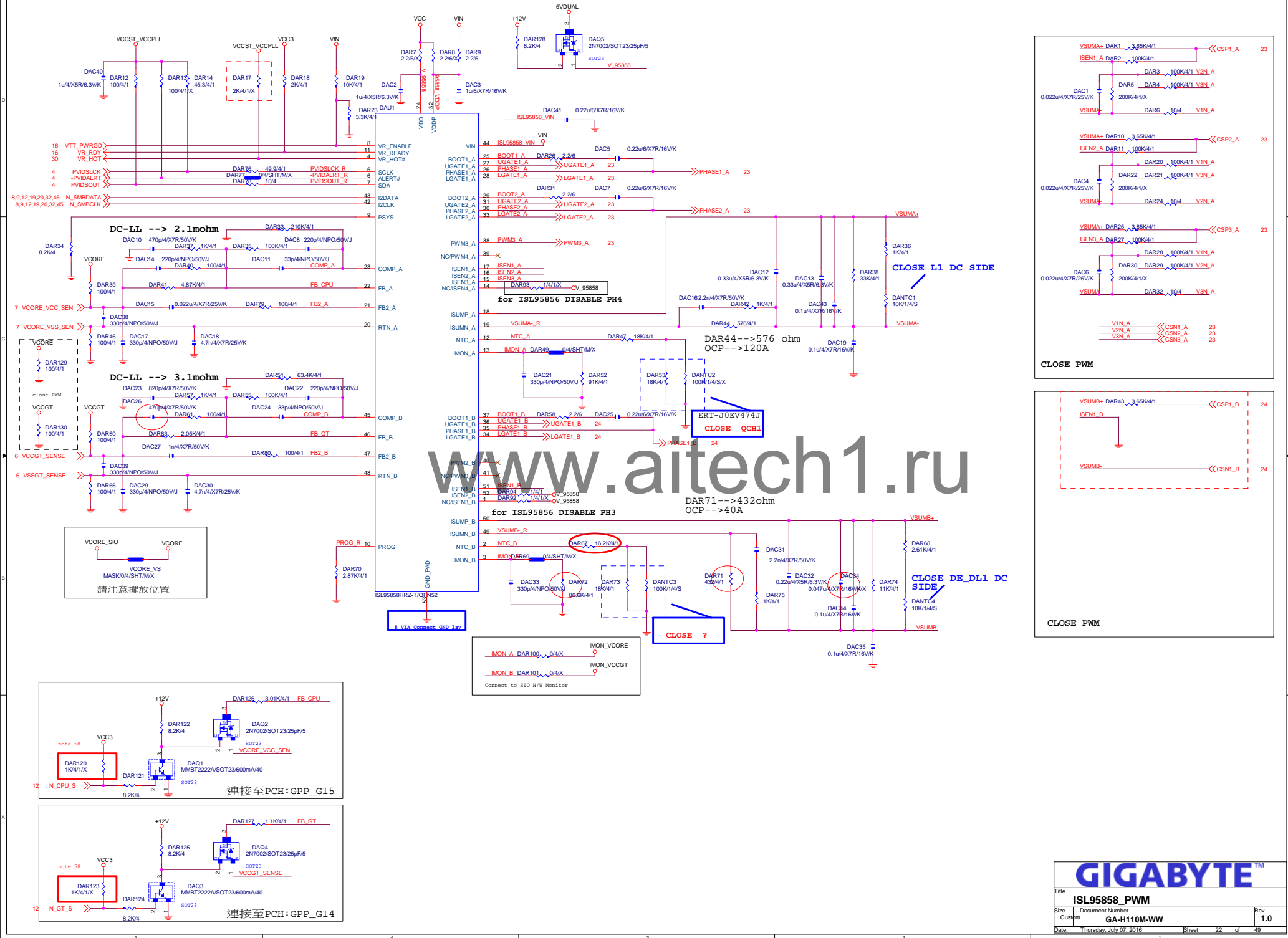
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Rev 0.6

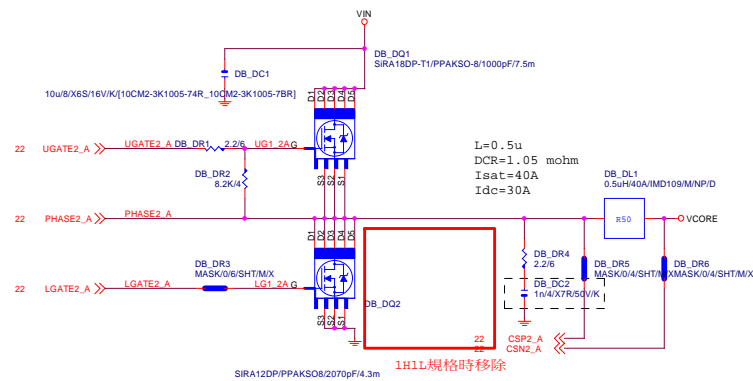
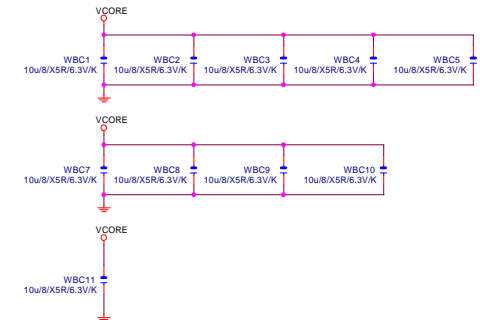
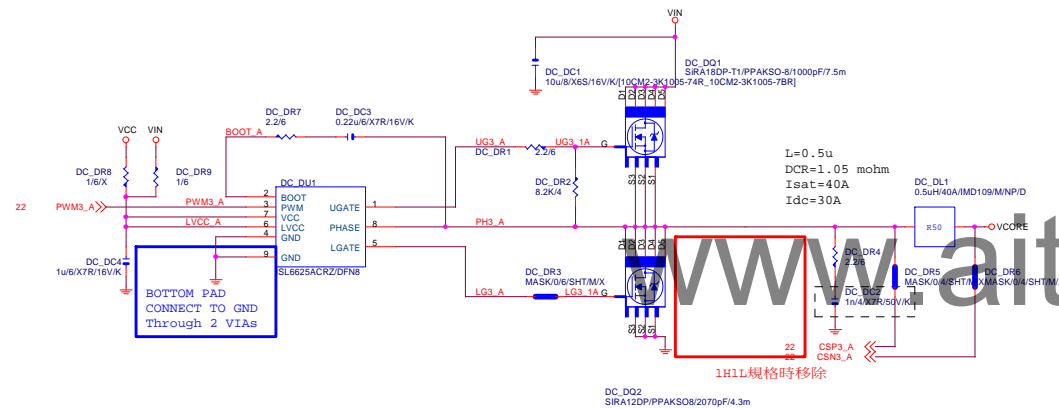


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Gigabyte Technology			
Title			
SATA EXPRESS			
Size	Document Number		Rev
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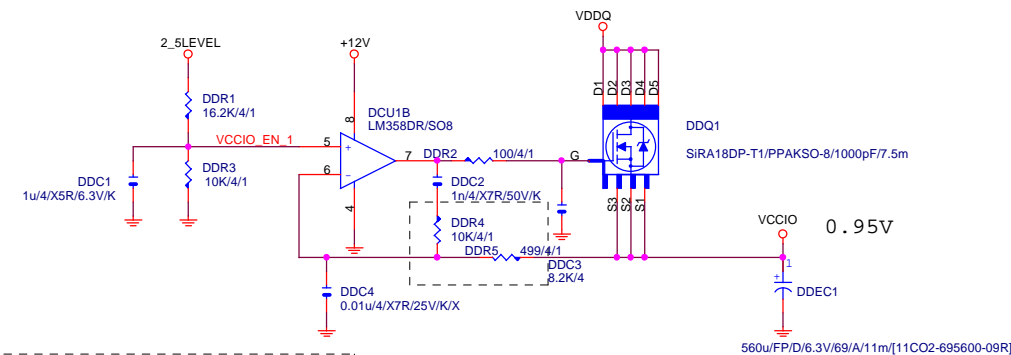
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Title			
ISL95858_MOS			
Size	Document Number	Rev	
Custom	GA-H110M-WW	1.0	
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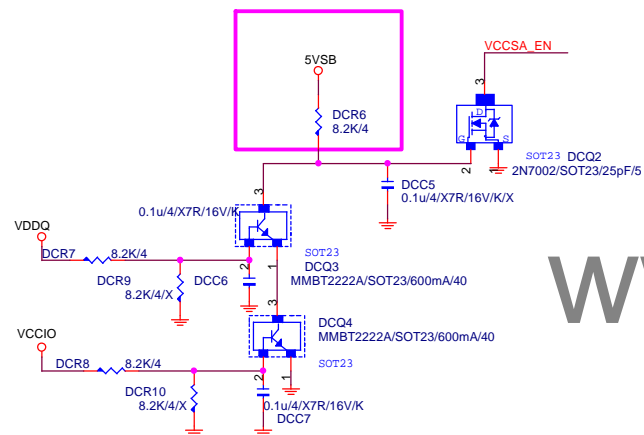
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Size	Document Number	Rev	
Custom	GA-H110M-WW	1.0	
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REV:0.4



VCCIO_EN_1 DDR10 0/4/SHT/M/X VCCIO_EN 16

Connect to IT8620



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VCCST_VCCPLL

GIGABYTE™

Title
VCCSA VCCIO

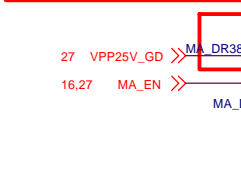
Size	Document Number
Custom	GA-H110M-WW

Rev	1.0
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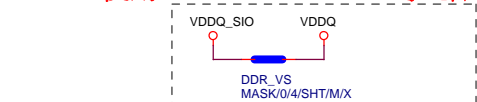
Date: Thursday, July 07, 2016

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DDR4

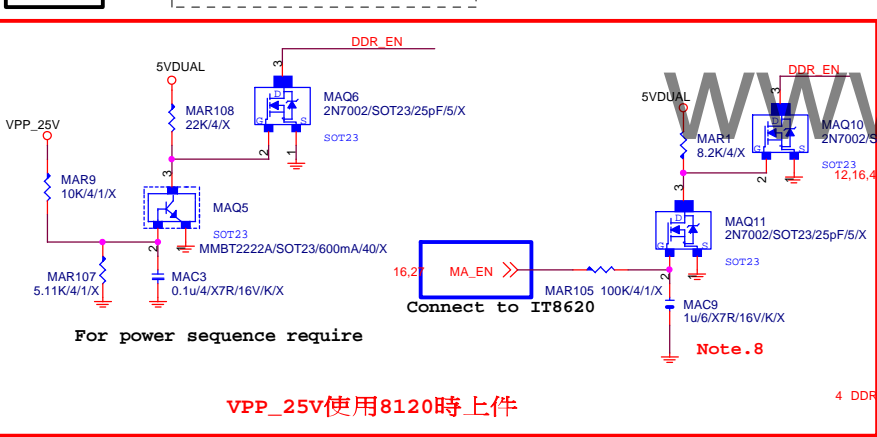


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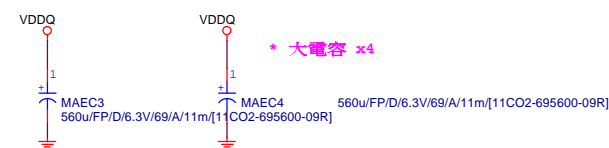


PWR SEQ

CLOSE TO DDR POWER PLANE

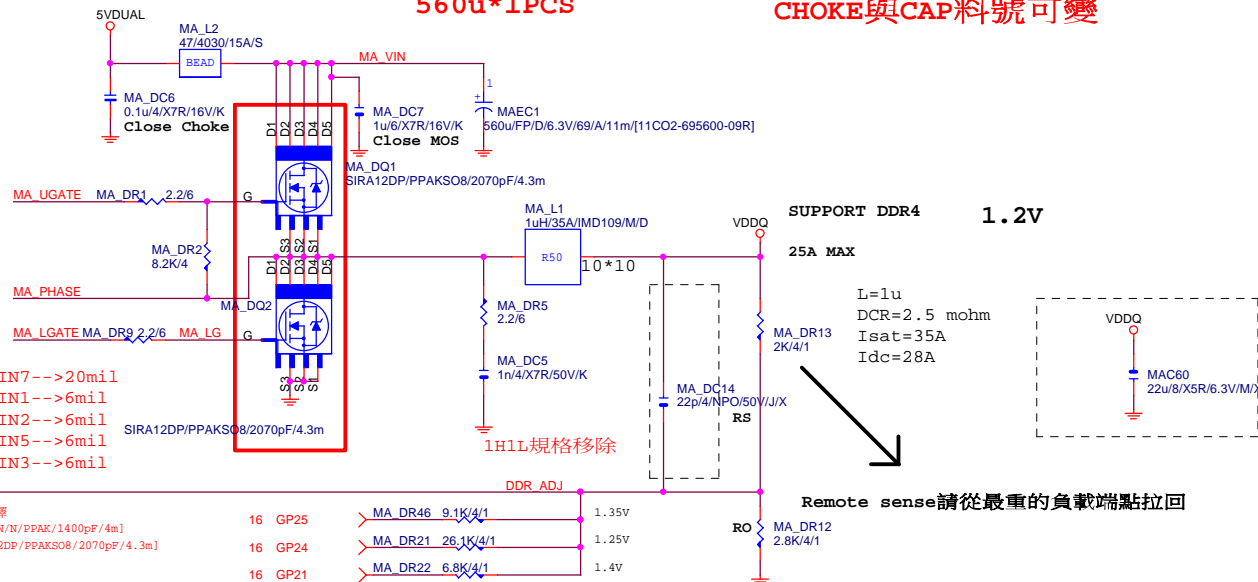
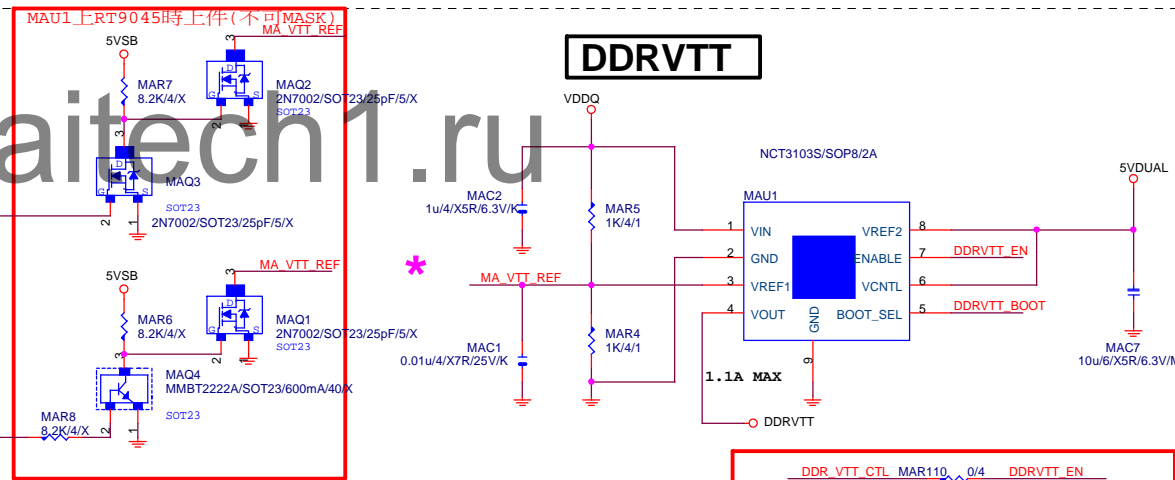


DDR CAP 560u*4PCS 22u*2PCS



DDR VIN CAP
560u*1PCS

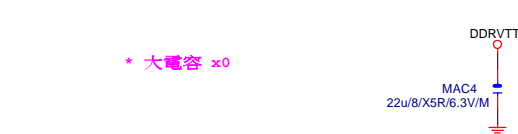
CHOKES與CAP料號可變

**DDRVTT**

DDR VTT CTL	MAR110	0/4	DDRVTT EN
N -SLP S3	MAR111	0/4	DDRVTT BOOT

MAU1上NCT3103S時上件(不可以改shor

DDRVTT CAP



GIGABYTE

Title
RT8237 DDR4 POWER

Size	Document Number
Custom	GA-H110M-WW

Date: Thursday, July 07, 2016

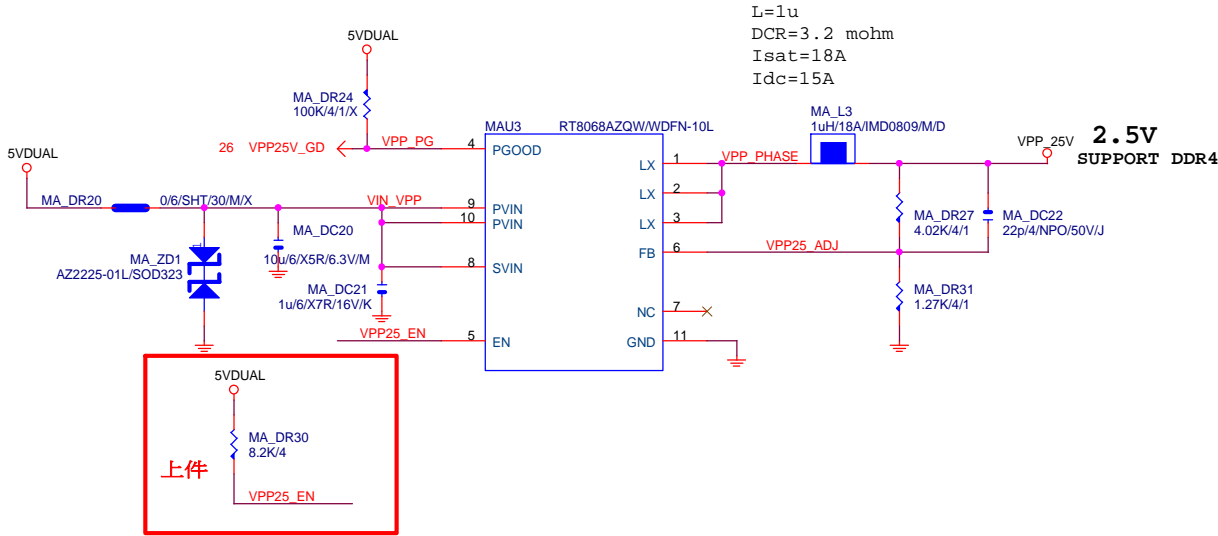
Date: Thursday, July 07, 2016 Sheet 26 of 49

Date: Thursday, July 07, 2016 Sheet 26 of 49

REV:0.4

VPP_25V

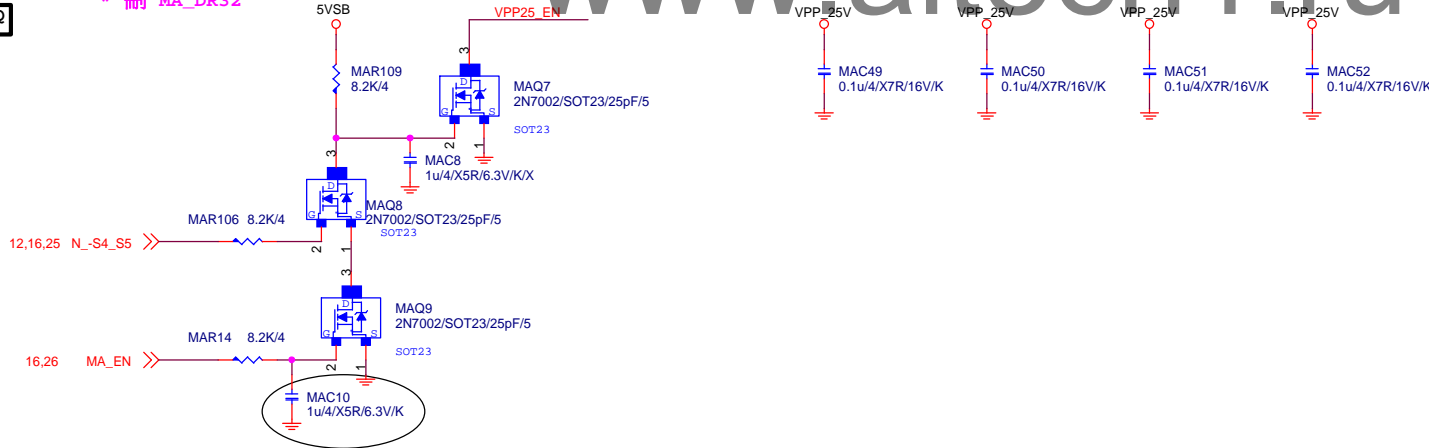
CHOKE與CAP料號可變



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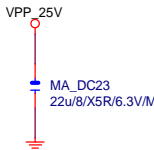
PWR_SEQ

* 刪 MA_DR32



VPP CAP 22u*1PCS

* 大電容 x0

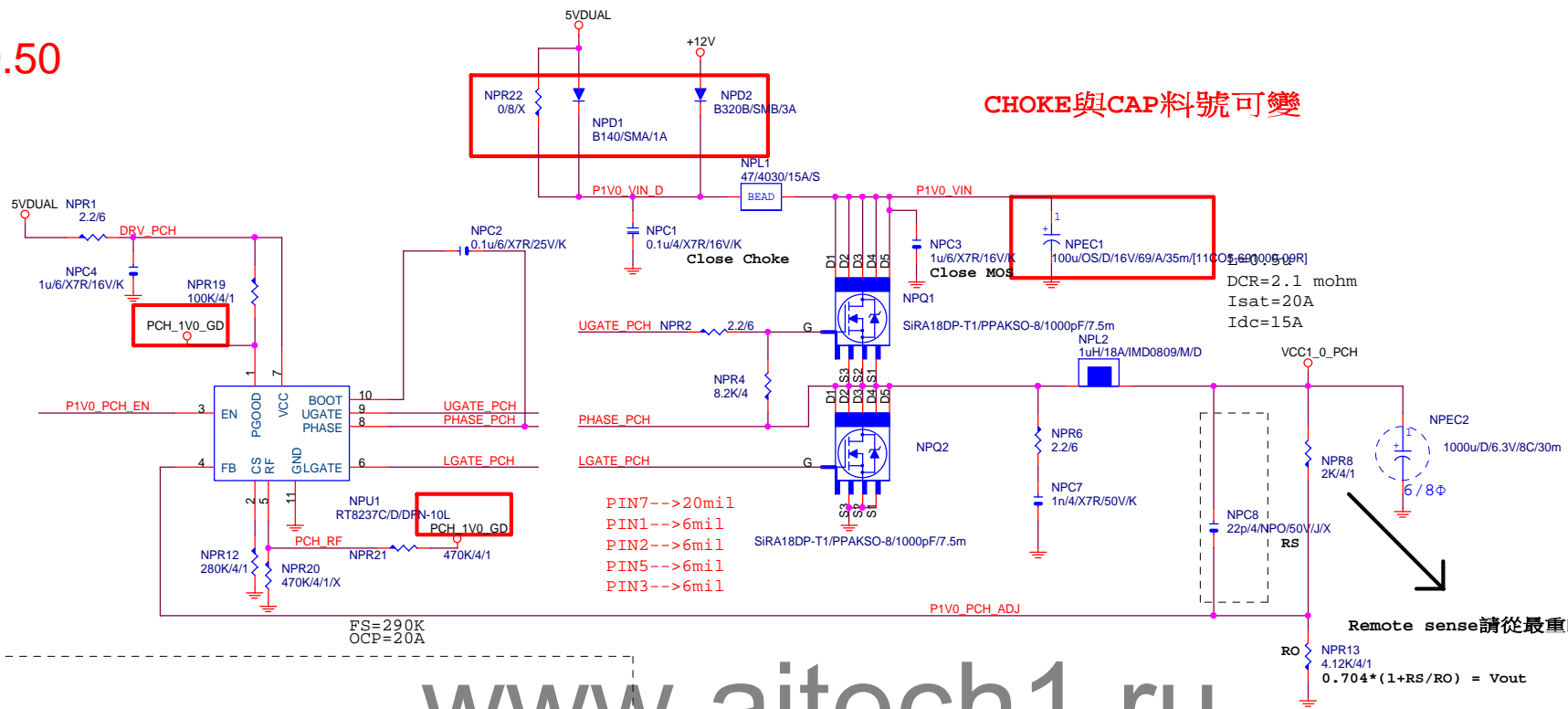


GIGABYTE™

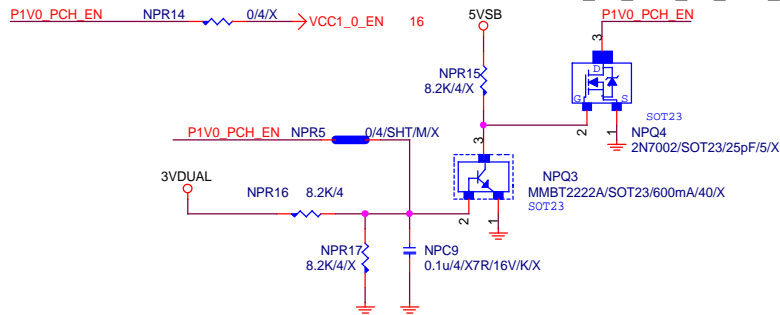
Title		
RT9018_VPP25 POWER		
Size	Document Number	Rev
Custom	GA-H110M-WW	1.0
Date:	Thursday, July 07, 2016	Sheet 27 of 49

REV:0.50

CHOKE與CAP料號可變



PWR_SEQ



請放置CHOKE一出來的地方

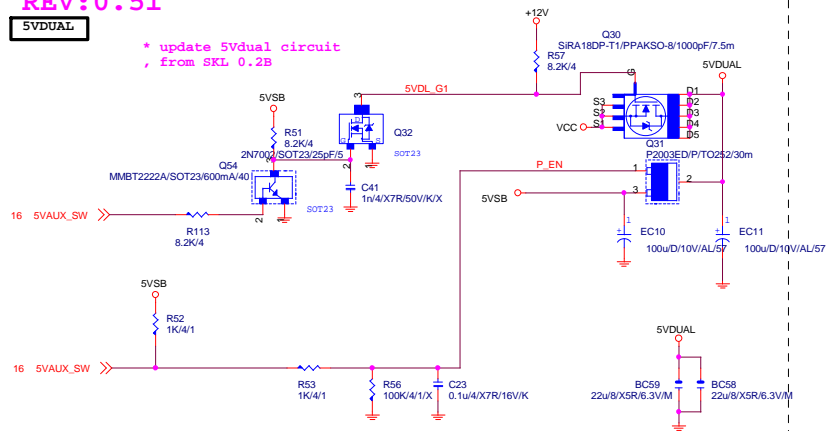
GIGABYTE™

Title			
RT8237_PCH POWER			
Size	Document Number	Rev	
Custom	GA-H110M-WW	1.0	
Date:	Thursday, July 07, 2016	Sheet	28 of 49

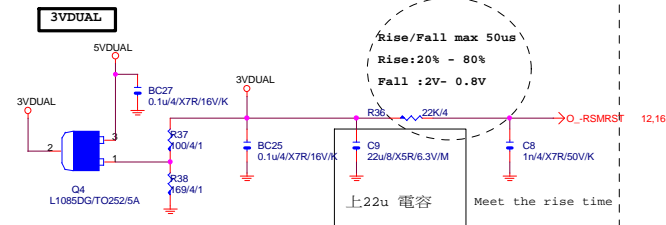
REV:0.51

5VDUAL

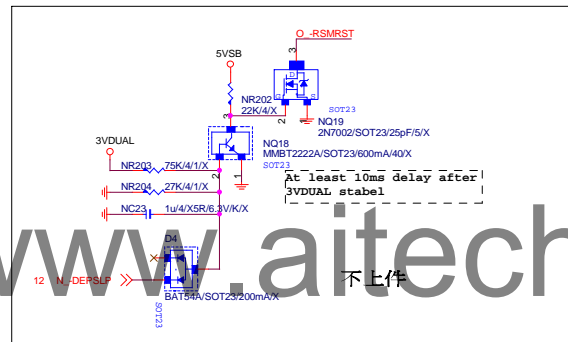
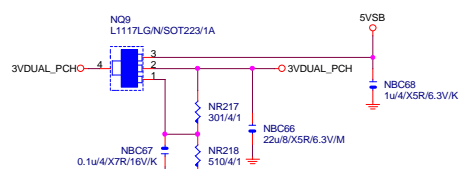
* update 5Vdual circuit
from SKL 0.2B



3VDUAL



3VDUAL_PCH

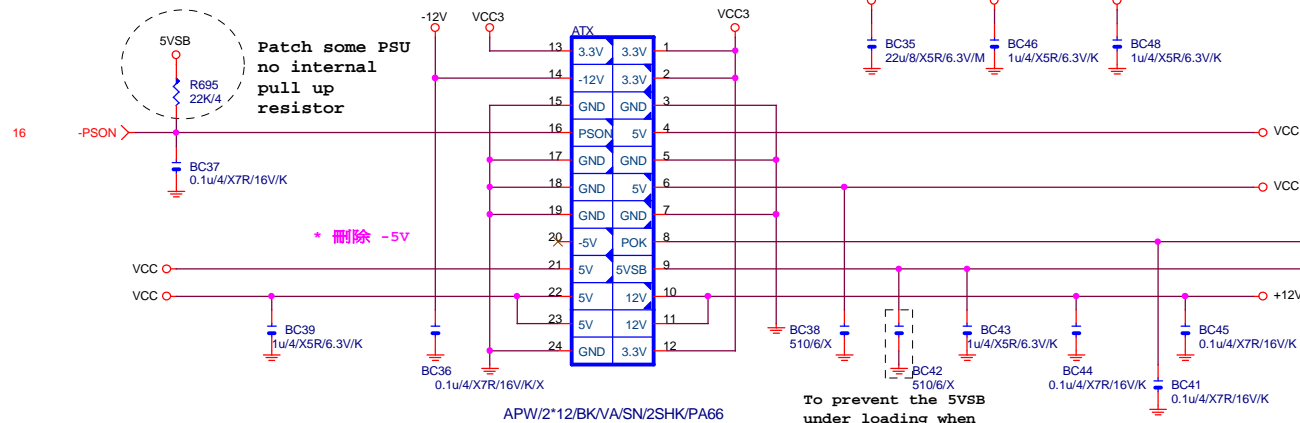


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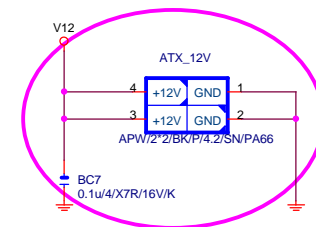
Gigabyte Technology

Title		
DISCRETE POWER		
Size	Document Number	Rev
Custom	GA-H110M-WW	1.0
Date:	Thursday, July 07, 2016	Sheet 29 of 49

ATXX24 POWER CONNECTOR

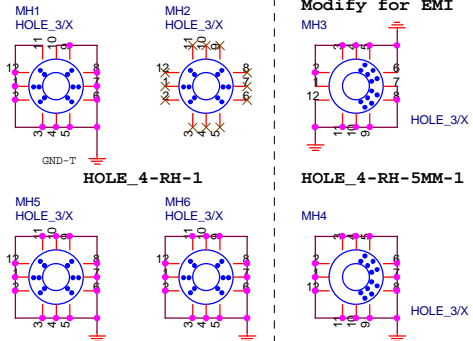


ATXX4 POWER CONNECTOR

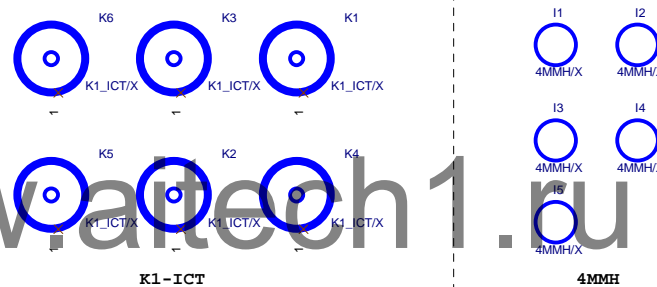


螺絲孔

MH1:GND-T
FOR EMI
TEST驗證



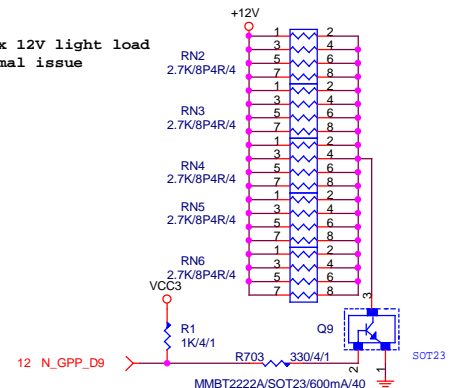
固定孔/光學點



To prevent the 5VSB
under loading when
boot

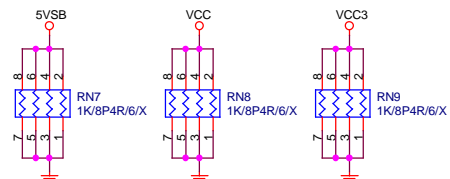
+12V DUMMY LOAD

To fix 12V light load
abnormal issue



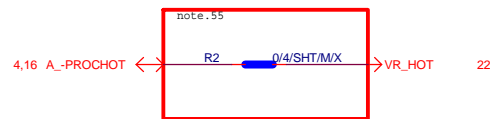
【技術通報R&D技術通報153】

DUMMY LOAD

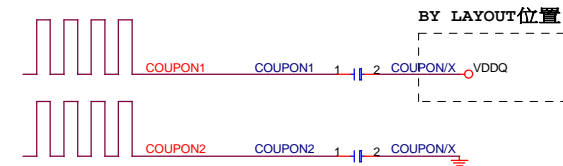


-PROHOT

* 保留 ?



COUPON



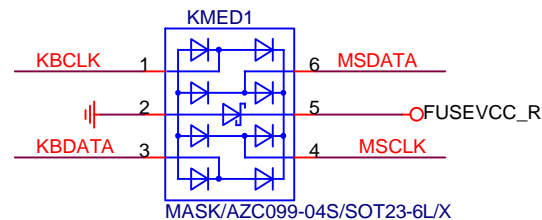
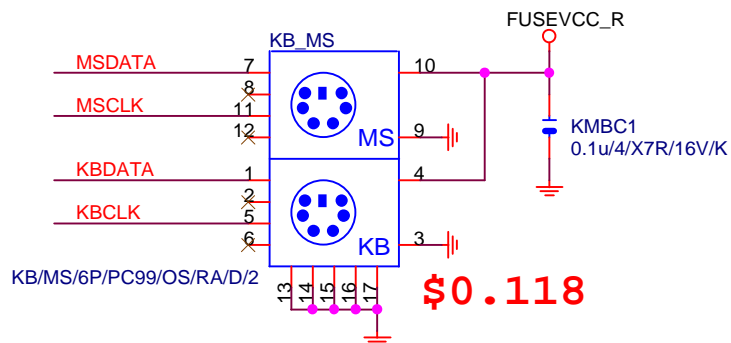
Gigabyte Technology

Title		
ATX POWER CONNECTOR		
Size	Document Number	Rev
Custom	GA-H110M-WW	1.0
Date:	Thursday, July 07, 2016	Sheet 30 of 49

KB_MS_USB

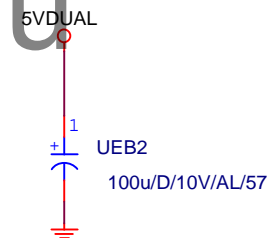
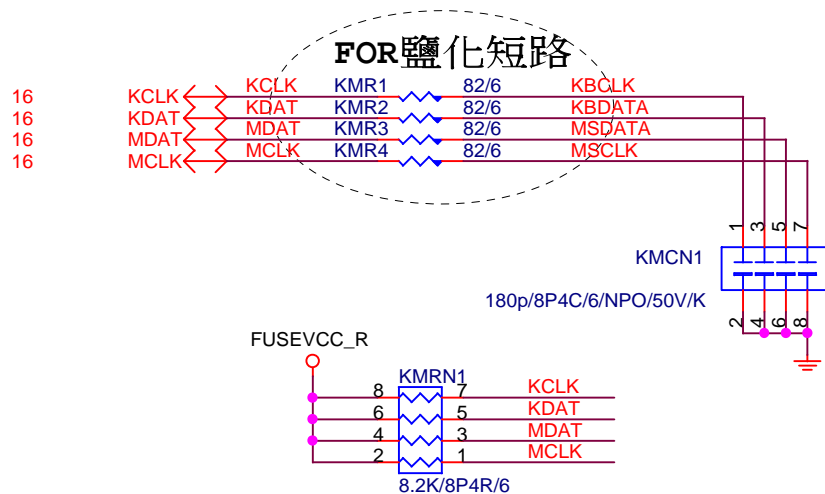
Rev: 0.7

ESD



KB_MS_USB DAMPING/PU

KB_MS_USB PWR



Gigabyte Technology

Title

KB_MS_USB

Size
A

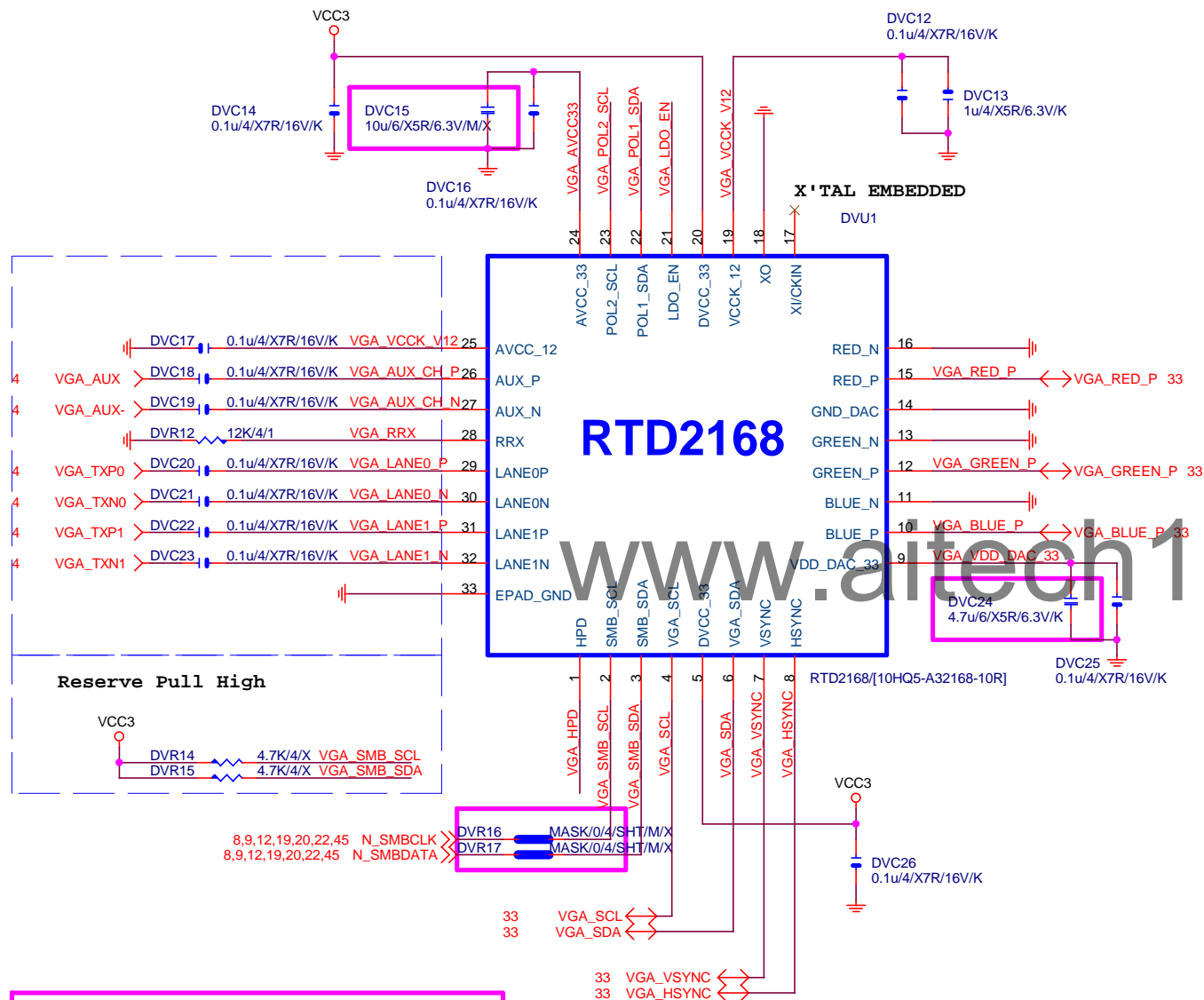
Document Number

GA-H110M-WW

Rev
1.0

Date: Thursday, July 07, 2016

Sheet 31 of 49



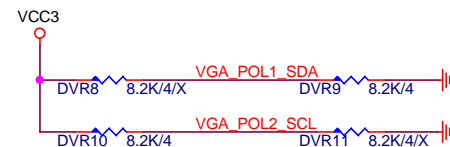
放置PCH端

10 N_DDPD_CTRLCLK \longleftrightarrow DVR19 $\xrightarrow{2.2K/4/1}$ VCC3
10 N_DDPD_CTRLDATA \longleftrightarrow DVR20 $\xrightarrow{2.2K/4/1}$ VCC3

POWER

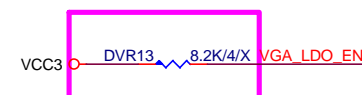


Power on latch



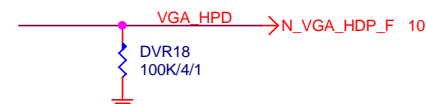
		POL1_SDA(PIN22)	
		0	1
POL2_SCL (PIN23)	0	X	EP MODE
	1	ROM ONLY MODE	EEPROM MODE

Embedded LDO

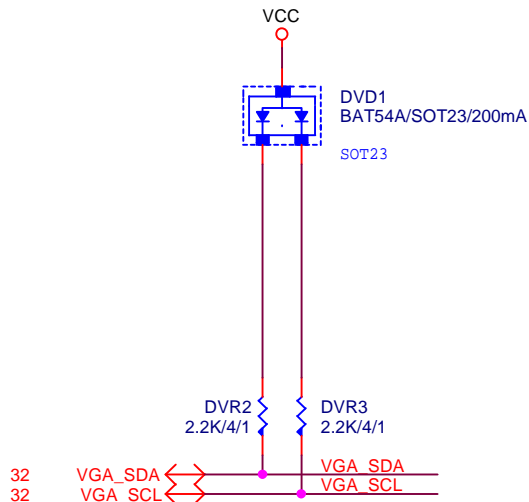


LDO_EN(PIN21)	
0	1
VCCK_V12 from External 1.2V	VCCK_V12 from Embedded LDO

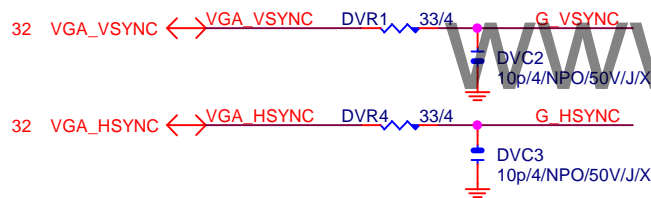
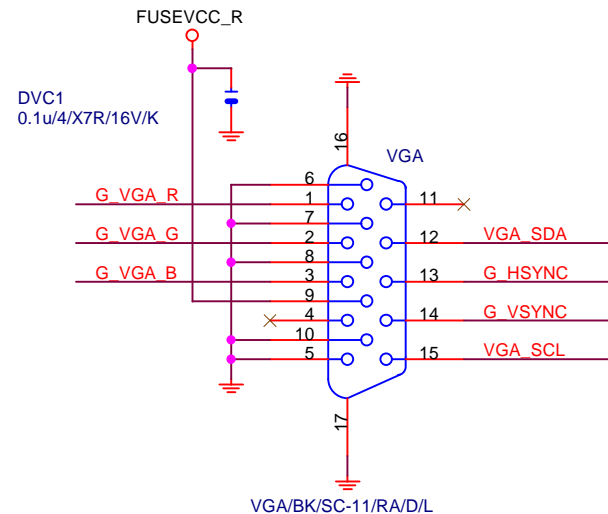
DP HPD



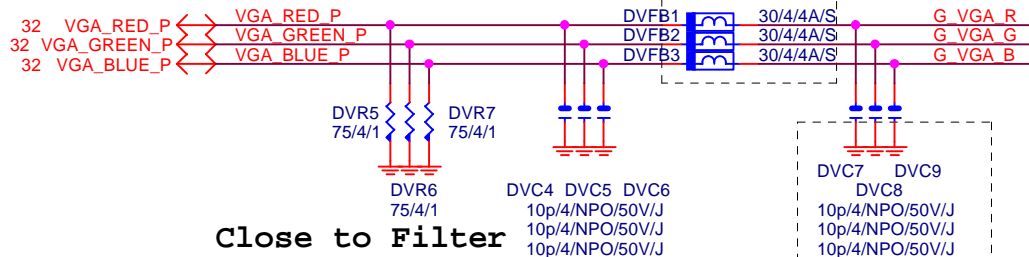
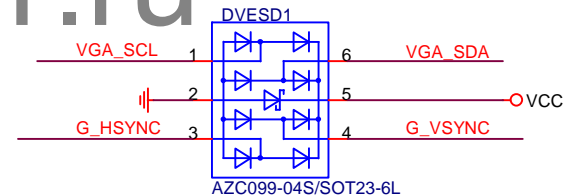
VGA SIGNAL R1.03



VGA CONN.

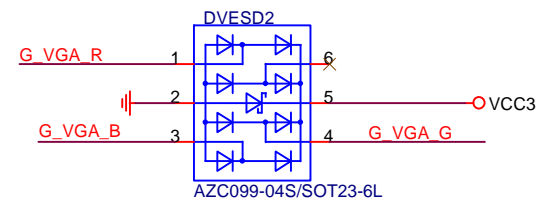


VGA ESD



Close to Filter

FOR EMI



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NXP-PTN3356

Title

Size

Custom

Document Number

GA-H110M-WW

Rev

1.0

Date:

Thursday, July 07, 2016

Sheet

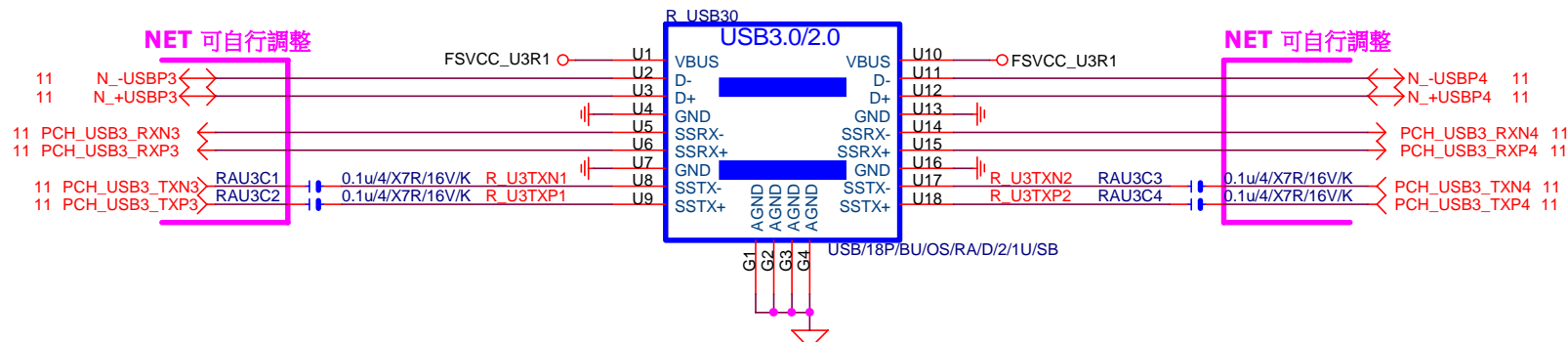
33

of

49

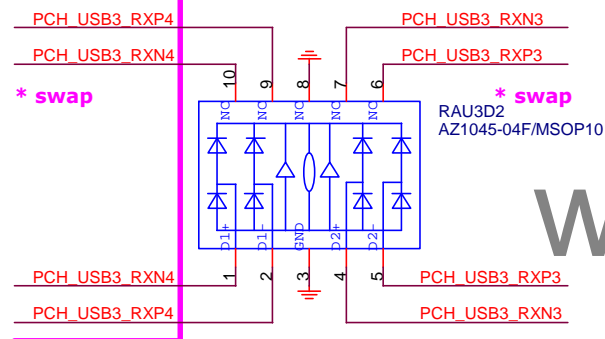
Rev: 0.7

ESD 可自行SWAP PIN ,CONN端 NET 名稱 不可

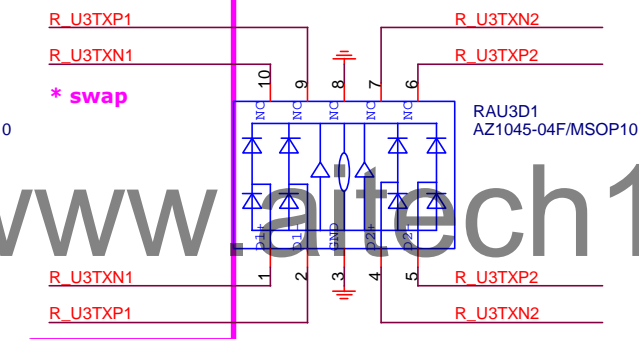


ESD

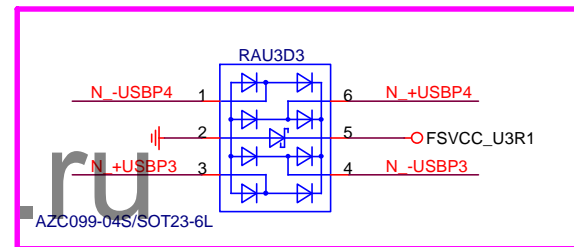
NET 可自行調整



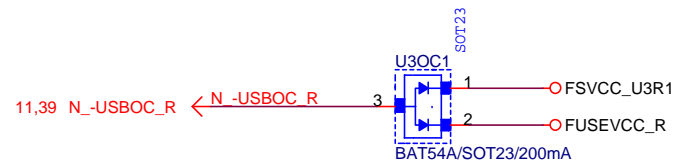
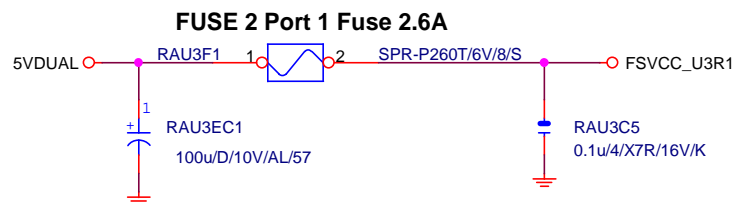
NET 可自行調整



NET 可自行調整



FUSE



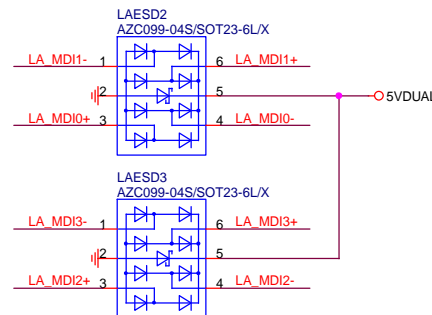
Gigabyte Technology

Title			R_USB30,USB_OC	
Size			Document Number	
Custom			GA-H110M-WW	
Date:			Thursday, July 07, 2016	Sheet 34 of 49
				Rev 1.0



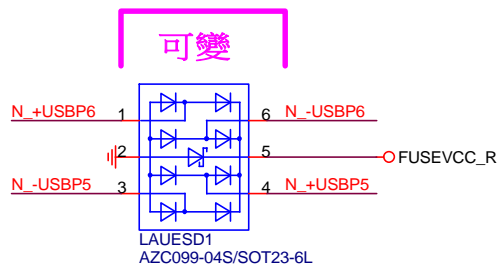
LA_ ML-->80歐姆:[15/5/5/5/15]

MDI ESD預留

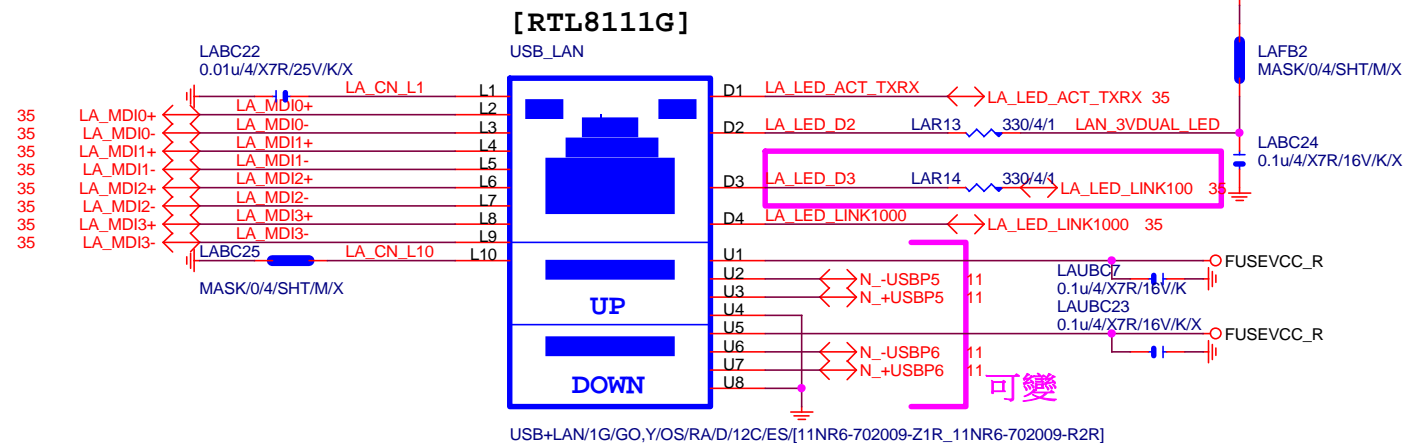


R1.06

note:可變更USB NAME

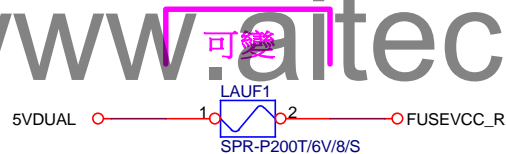


note:可變更USB NAME

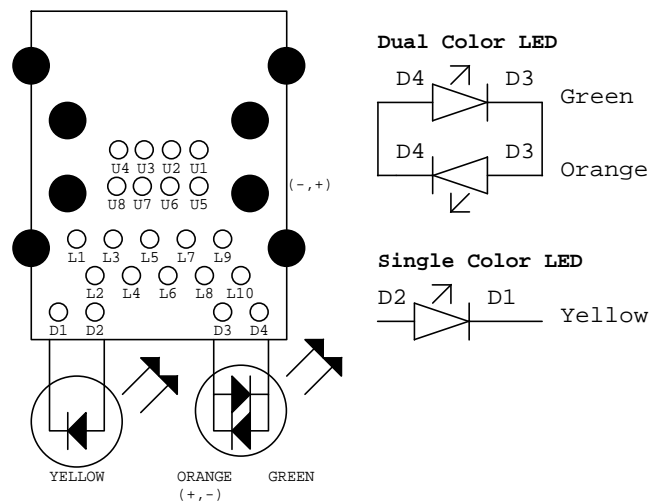


LA MDI-->100歐姆:[20/4/8/4/20]

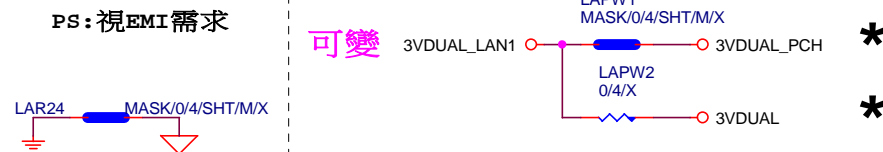
note:可變更FUSE



Close to connector
USB_LAN 2-Port 2.0A
FUSE-0805



note: lan power連接及電流



Gigabyte Technology

LAN CONNECTOR-RTL8111G

Size	Document Number
Custom	

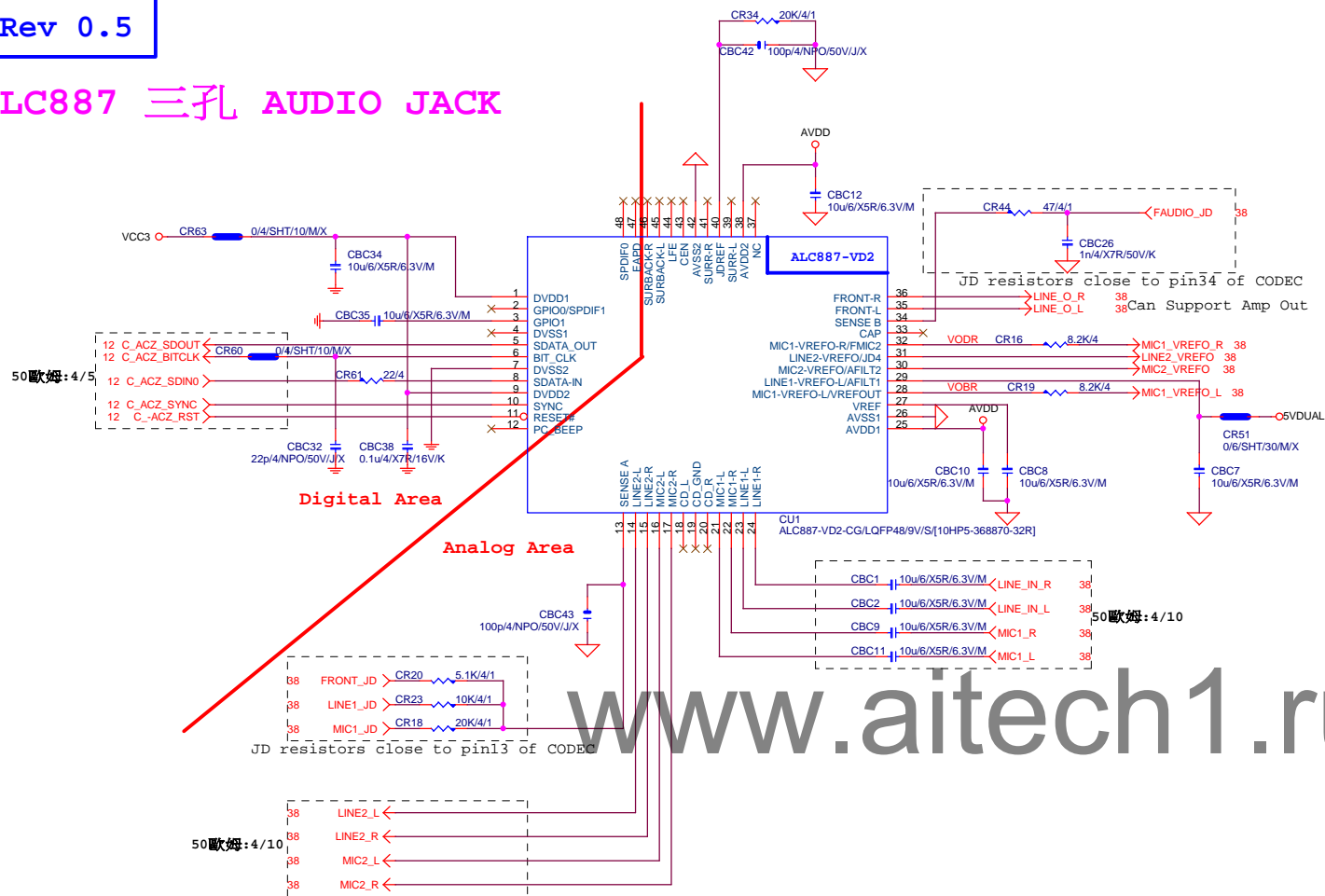
GA-H110M-WW

Rev	1.0
-----	-----

Date: Thursday, July 07, 2016

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ALC887 三孔 AUDIO JACK

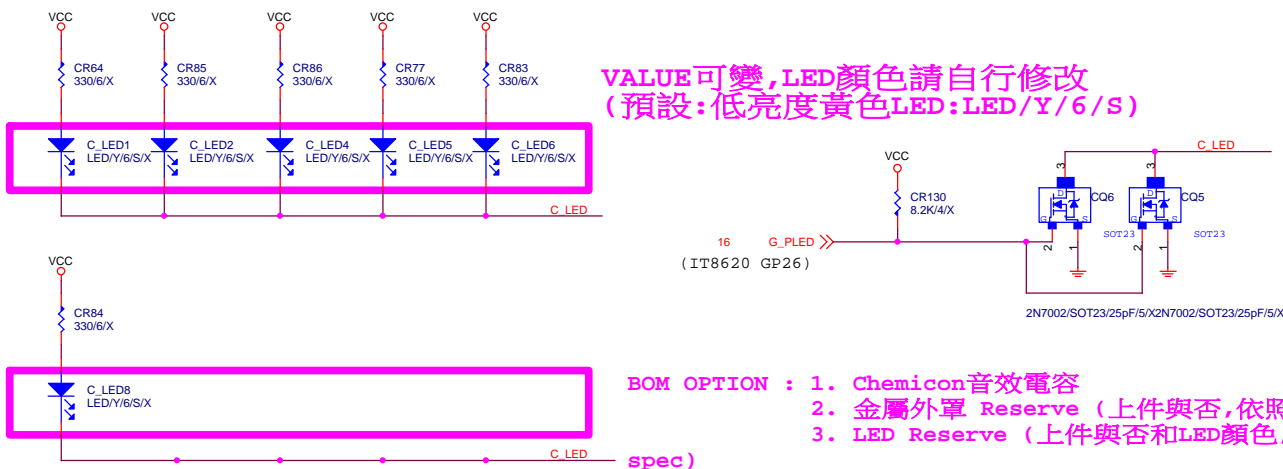


LAYOUT注意: 螺絲孔下GND方式

1. MH1空間夠, 下DGND
2. MH2一律改為Isolate

○ MH1	MH2 ○
DGND	Isolate

VALUE可變, LED顏色請自行修改
(預設: 低亮度黃色LED: LED/Y/6/S)



- BOM OPTION :
1. Chemicon音效電容
 2. 金屬外罩 Reserve (上件與否, 依照各Model spec)
 3. LED Reserve (上件與否和LED顏色, 依照各Model spec)

LAYOUT注意: 要加

GND切割線

音效區域印刷

Gigabyte Technology

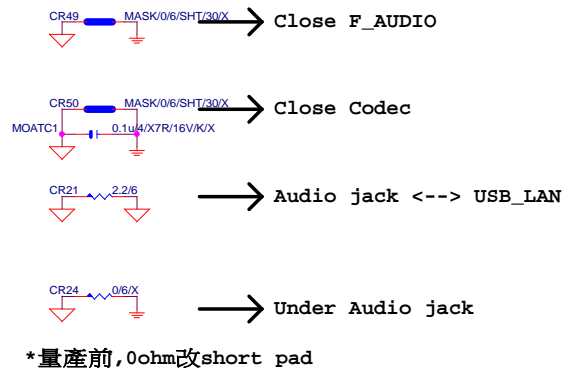
Title HD AUDIO ALC887

Size Custom Document Number GA-H110M-WW

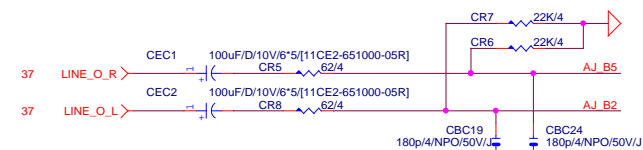
Date: Thursday, July 07, 2016 Sheet 37 of 49

Rev 1.0

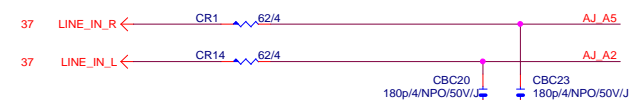
Rev 0.5



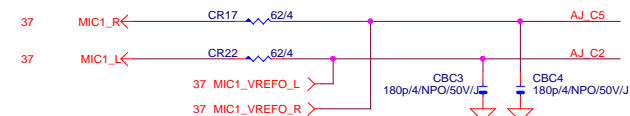
LINE-OUT



LINE-IN



MIC-IN

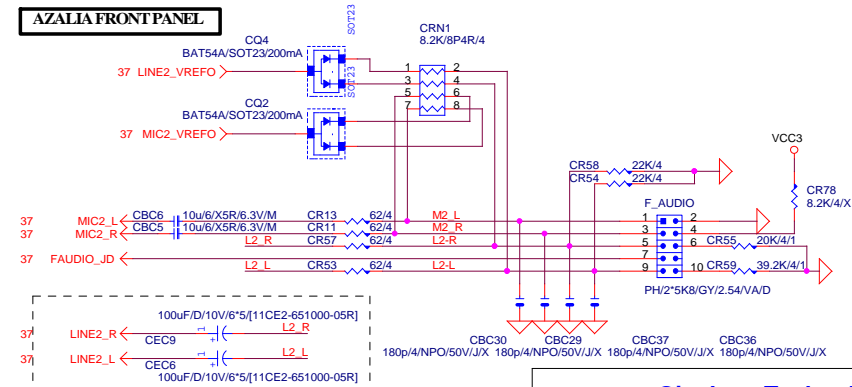


SURROUND

CEN/LFE

SURRBACK

AZALIA FRONT PANEL



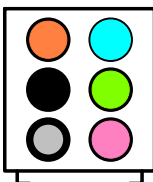
Gigabyte Technology

Title			AUDIO JACK
Document Number			GA-H110M-WW
Size	Custom	Rev	1.0
Date:	Thursday, July 07, 2016	Sheet	38 of 49

SPDIF_OUT

SPDIF_IN

AZALIA JACK

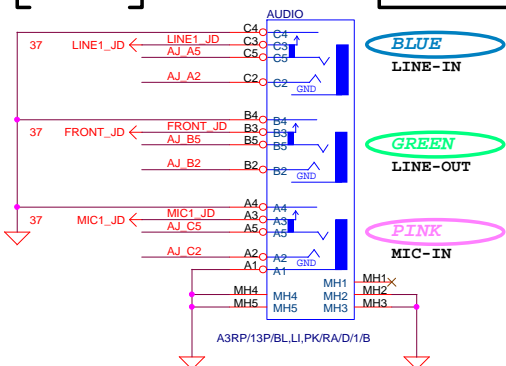


AZALIA JACK

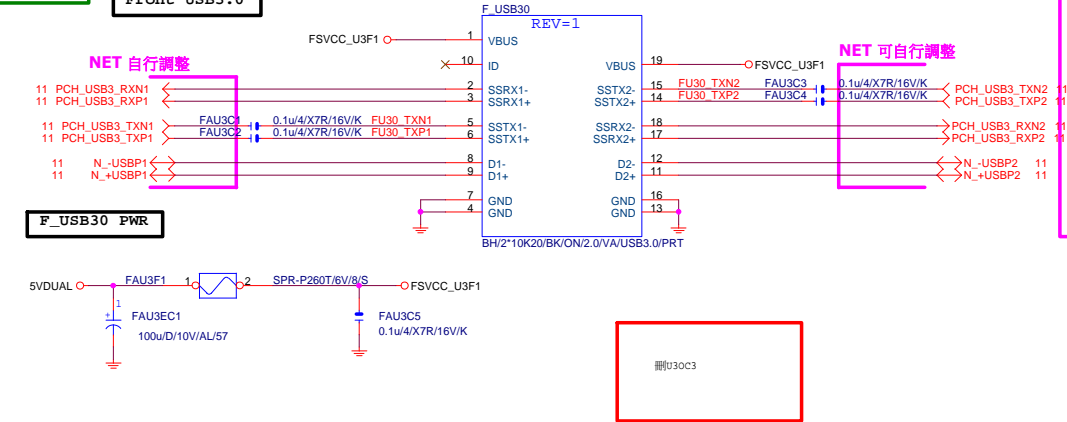
BLUE
LINE-IN

GREEN
LINE-OUT

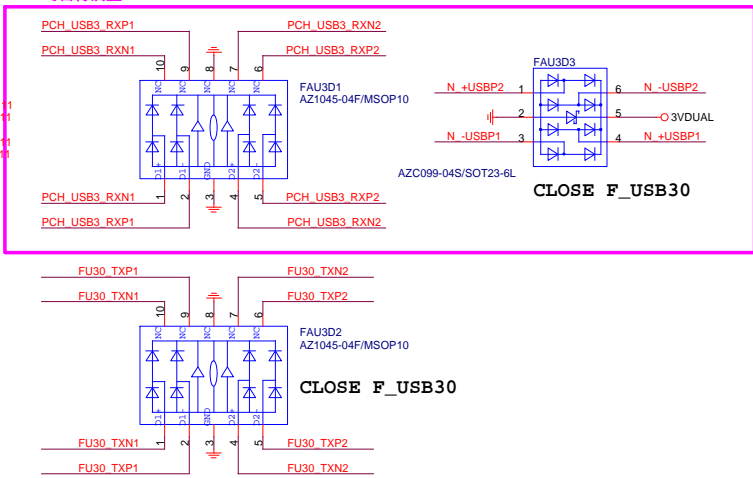
PINK
MIC-IN



Front USB3.0

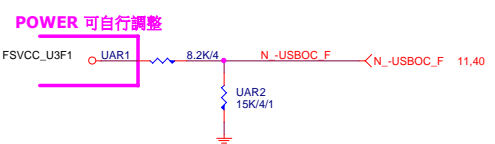


NET 可自行調整

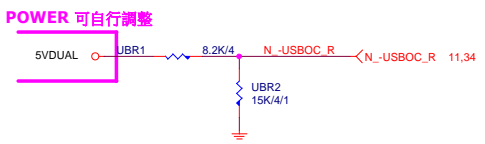


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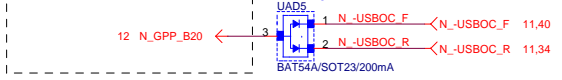
-USBOC_F



-USBOC_R



* 接 PCH N_GPP_B21
PCH PU 3vdual

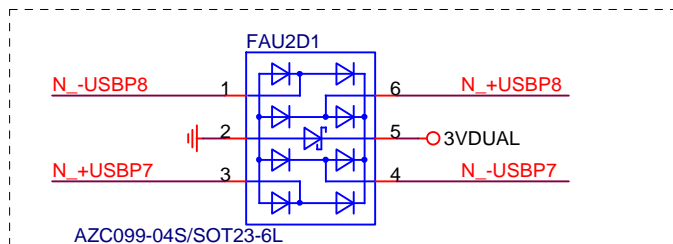
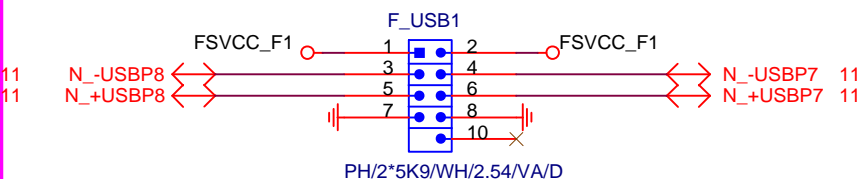


Rev: 0.7

FRONT USB1

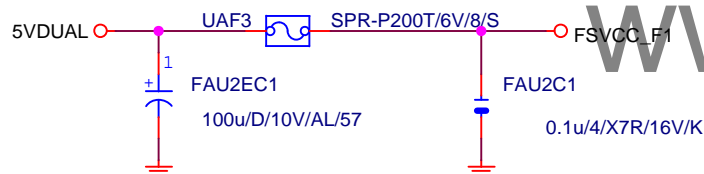
NET 可變

FUSB2X5-HS



Close to connector

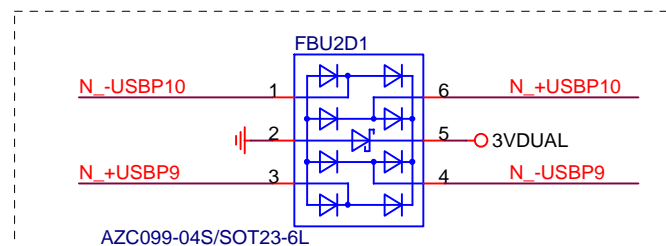
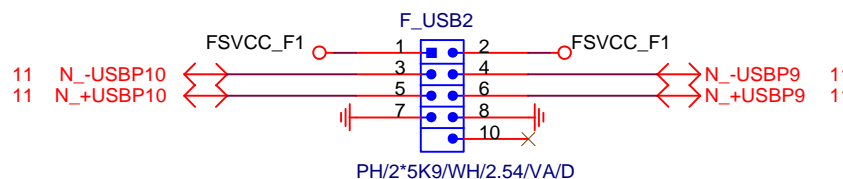
FUSE 2 Port 1 Fuse 2A



FRONT USB2

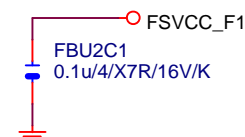
NET 可變

FUSB2X5-HS

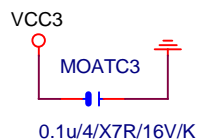
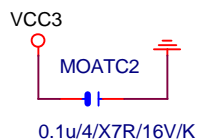
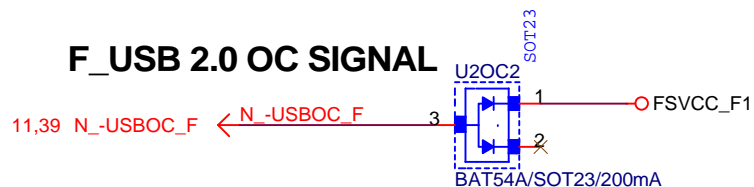


Close to connector

FUSE 2 Port 1 Fuse 2A



F_USB 2.0 OC SIGNAL



Gigabyte Technology

Title

USB2.0

Size
A

Document Number

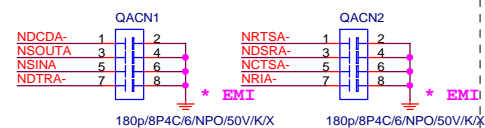
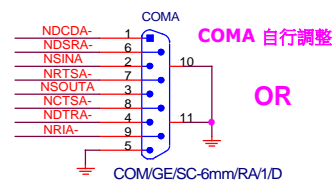
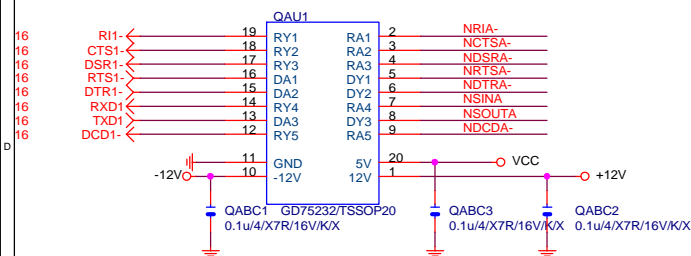
GA-H110M-WW

Rev
1.0

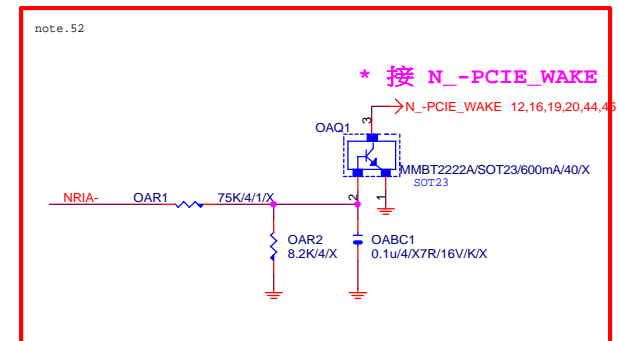
Date: Thursday, July 07, 2016

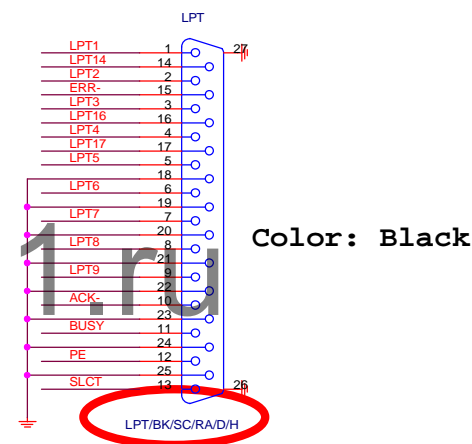
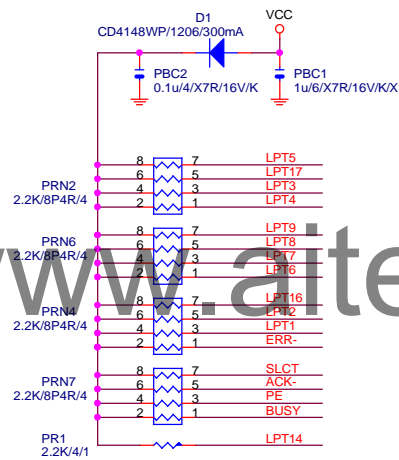
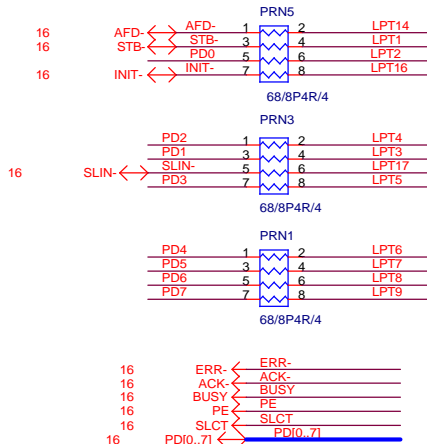
Sheet 40 of 49

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COM RI

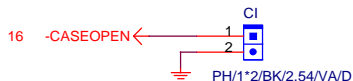
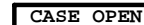


LPT PORT

TPM CONNECT

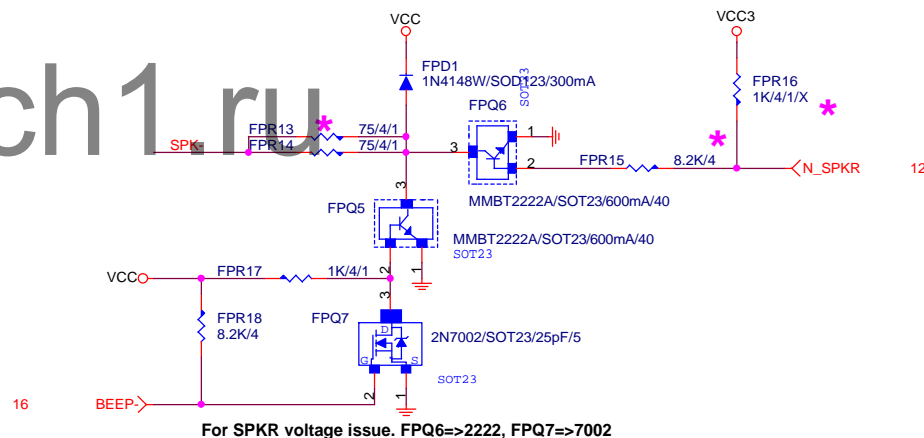
Thunderbolt (N/A)

Rev: 0.7

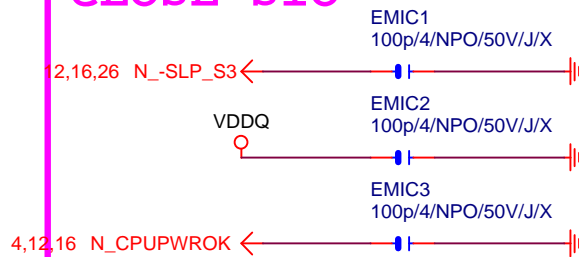


SATA LED

★Update 2015-02-12



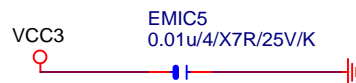
CLOSE SIO



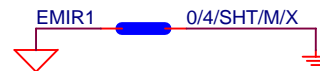
CLOSE PCH



close to PCH (NR17)



R_USB30_2 & DVI 之間



close to SIO (PIN92)MPD-

**GIGABYTE™**

Title

EMI/ESDSize
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Document Number

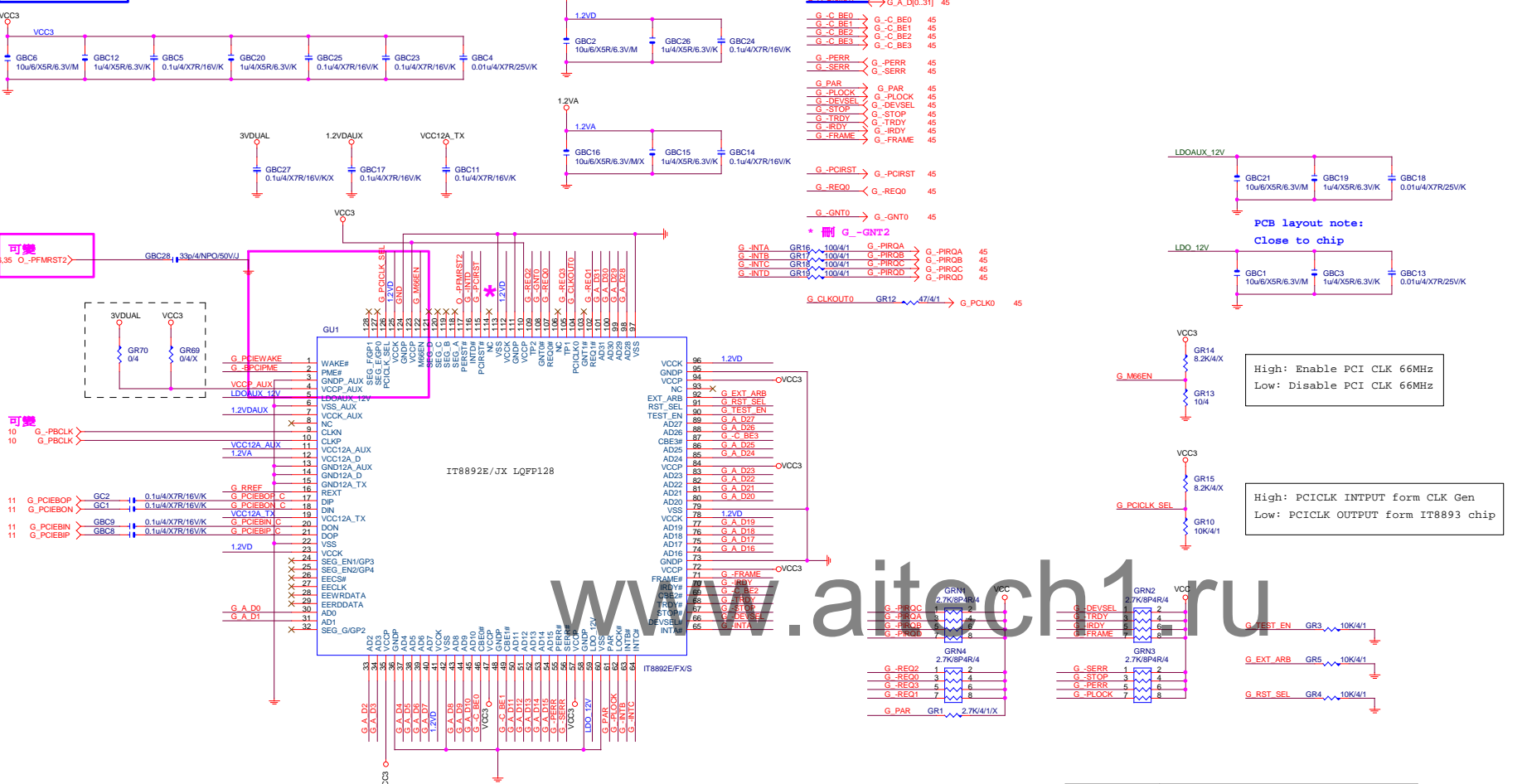
GA-H110M-WW

Rev

1.0

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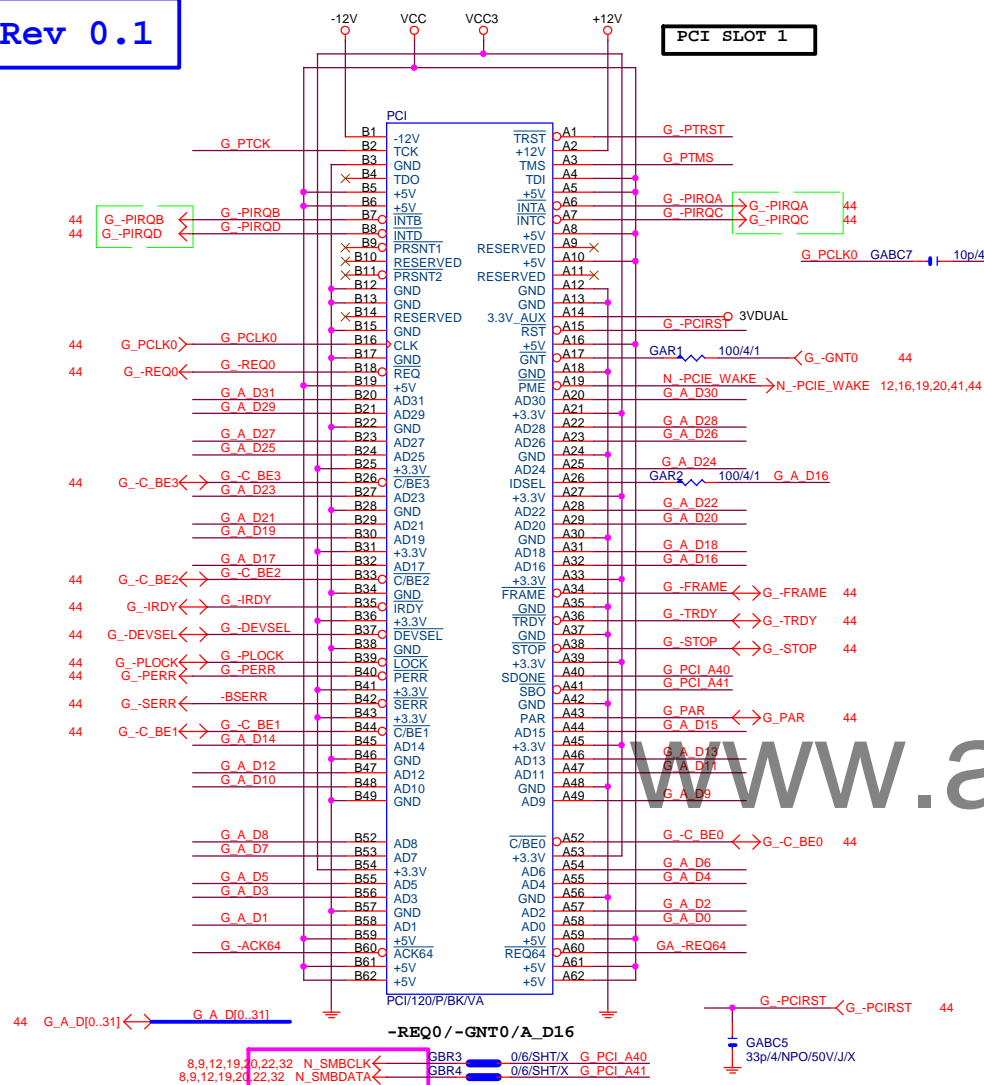
Sheet 43 of 49



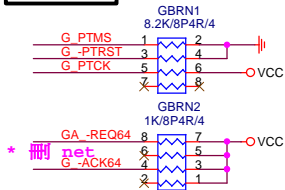
	Component change note
IT8892FX	GR70, GR74, GR76, GR78, GR66 : ON GR69, GR73, GR75, GR77, GR67 : NC GR44 resistor is 12k ohm GL14, GL10, GL16, GL17 : ON GL19, GL21, GL23, GL25: NC
IT8892JX	GR70, GR73, GR75, GR78, GR66 : ON GR69, GR74, GR76, GR77, GR67 : NC GR44 resistor is 18k ohm GL14, GL10, GL16, GL17 : ON GL19, GL21, GL23, GL25: NC
External LDO Power (IT8892JX)	GR69, GR73, GR75, GR77, GR67 : ON GR70, GR78, GR66 : NC GR44 resistor is 18k ohm GL19, GL21, GL23, GL25 : ON GL14, GL10, GL16, GL17 : ON

Gigabyte Technology

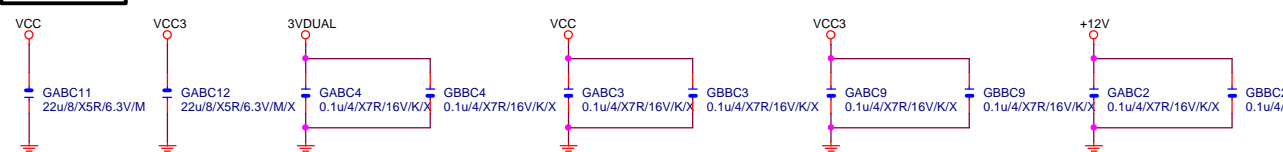
Rev 0.1



PCI PU



PCI CAP



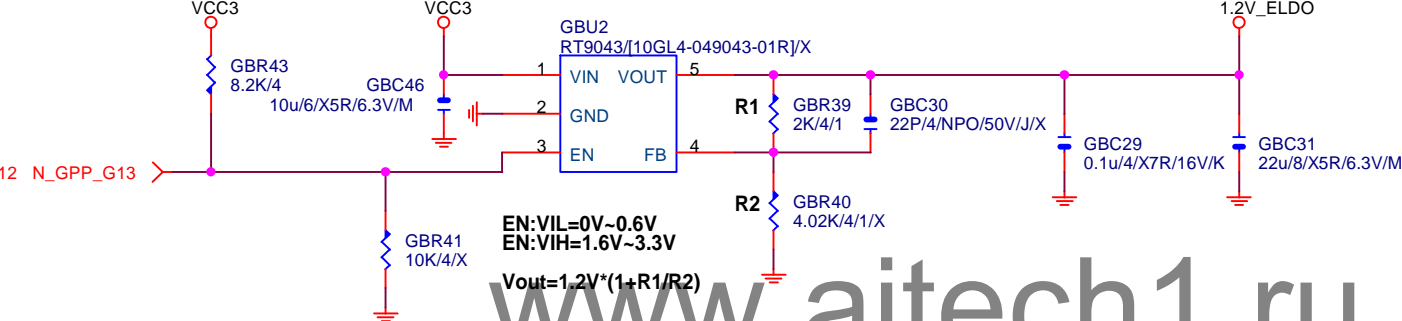
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PCI SLOT 1&2

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Custom	GA-H110M-WW	1.0

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Rev 0.1

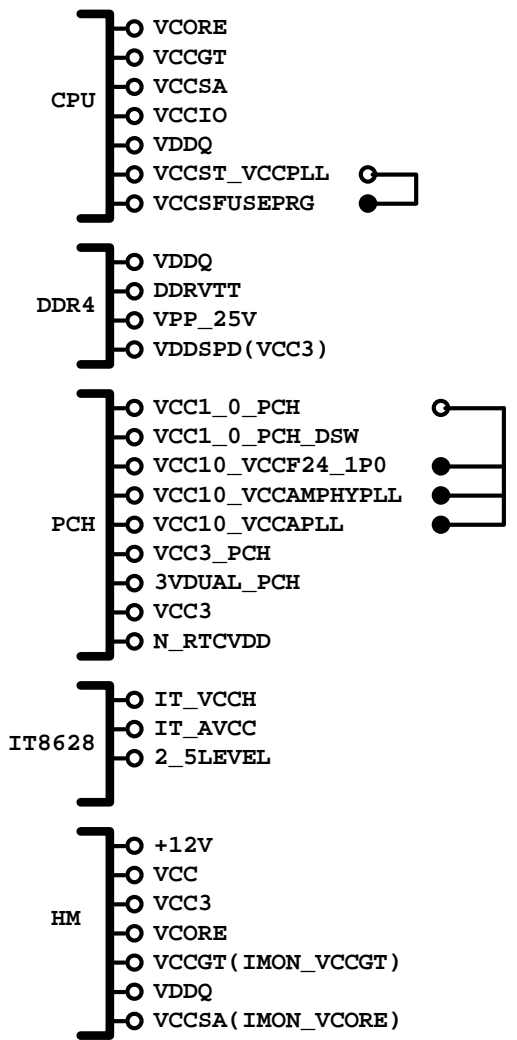


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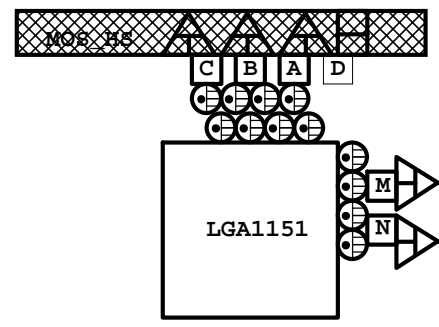
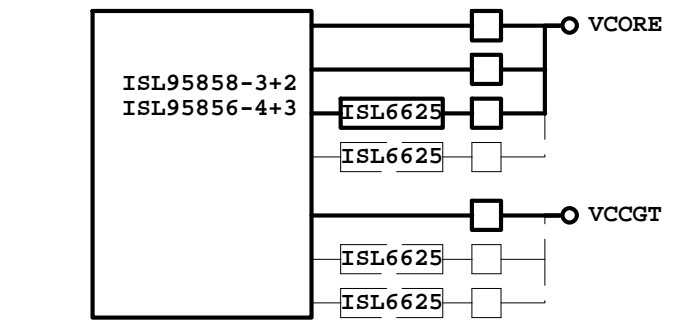
Gigabyte Technology

Title			
ASM1085 POWER			
Size	Document Number		Rev
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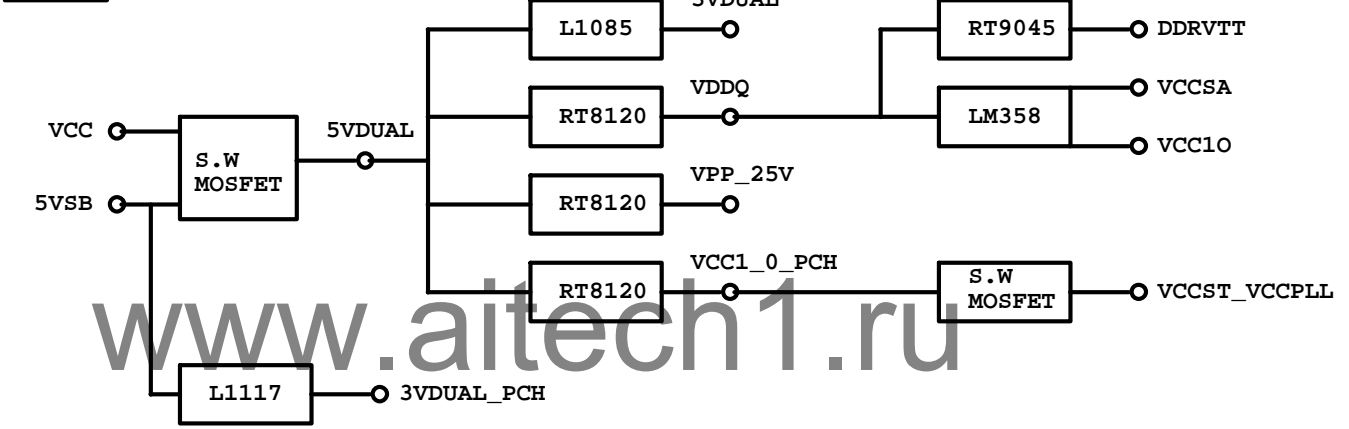
POWER BLOCK MAP



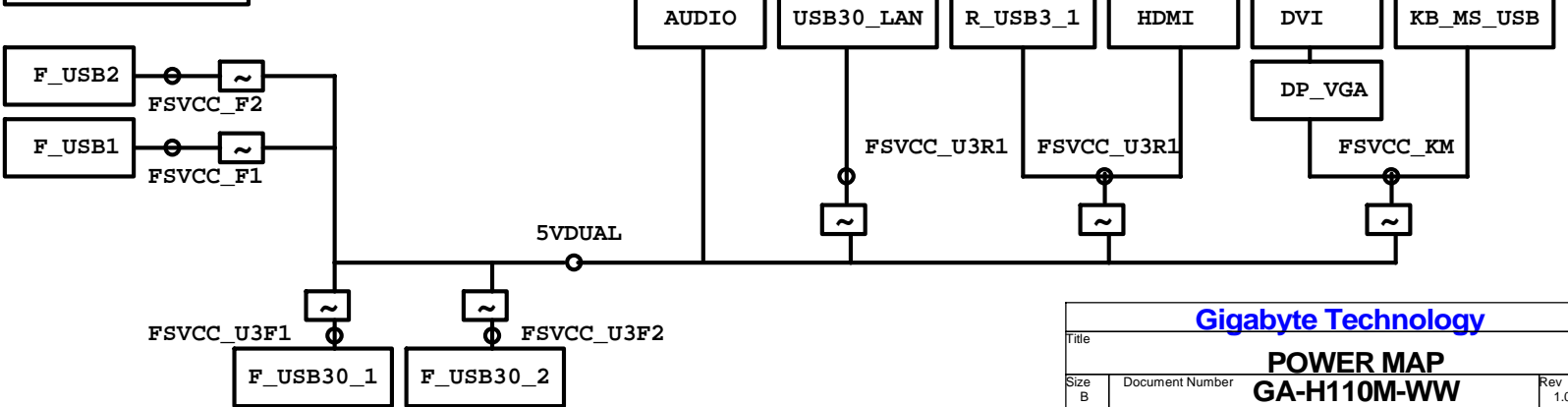
VCORE/VCCGT



POWER



FUSE POWER F/R



固態電容料號.請自行修改

日系黑色固態	Capture Value
11C02-C85600-01R	560u/FP/D/6.3V/68/C/8m
11C05-C82700-01R	270u/FP/D/16V/88/C/12m
11C05-C61000-01R	100u/OS/D/16V/66/C/30m
11C02-C51000-01R	100u/FP/D/6.3V/65/C/13m

日系一般固態	Capture Value
11C02-685600-01R	560u/FP/D/6.3V/68/8m
11C05-882700-01R	270u/FP/D/16V/88/12m
11C05-661000-03R	100u/OS/D/16V/66/30m
11C02-651000-02R	100u/OS/D/6.3V/66/30m

台系固態	Capture Value
11C02-661000-09R	100u/OS/D/6.3V/66/A/35m
11C05-691000-09R	100u/OS/D/16V/69/A/35m
11C05-8C2700-09R	270u/FP/D/16V/8C/A/10m
11C02-695600-09R	560u/FP/D/6.3V/69/A/11m

IRON CHOKE

	料號	Capture Value	SIZE	Footprint
DIP	11LC5-M4500C-01R	0.5uH/40A/IMD109/M/D	10*10	CHOKE05U-40A-1PQ-3
DIP	11LC5-M2500C-01R	0.5uH/20A/IMD0809/M/D	8*8	CHOKE1U-R50M-IF

Ferrite


	料號	Capture Value	SIZE	Footprint
DIP	11LC5-F3500C-11R	0.5uH/32A/INCG109/FSI/D	10*10	CHOKE05U-40A-1PQ-3
DIP	11LC5-F2500C-11R	0.5uH/25A/INC0809/F/D	8*8	CHOKE1U-R50M-IF
SMD	未建(SIUC1007-R30M-JJ1W)		10*7	CHOKE11X8MM-SMD

BEAD

	料號	Capture Value	SIZE	Footprint
DIP	10LFB-15470A-01R	47/4030/15A/S	4*3	BEADC8B-BPH_SMD

PWM料號

	料號	Capture Value	Footprint
PWM	ISL95856	10TA1-695856-01R	IC52QFN-6x6-G
PWM	ISL95858	10TA1-695858-01R	IC52QFN-6x6-G
PWM	IR35201	10TA1-635201-00R	IC56QFN-9VRS4339
PWM	IR3570	10TA1-603570-00R	IC40MLFP-ISL95835



Title

RT8120_DDR4 POWER

Size Custom

Document Number

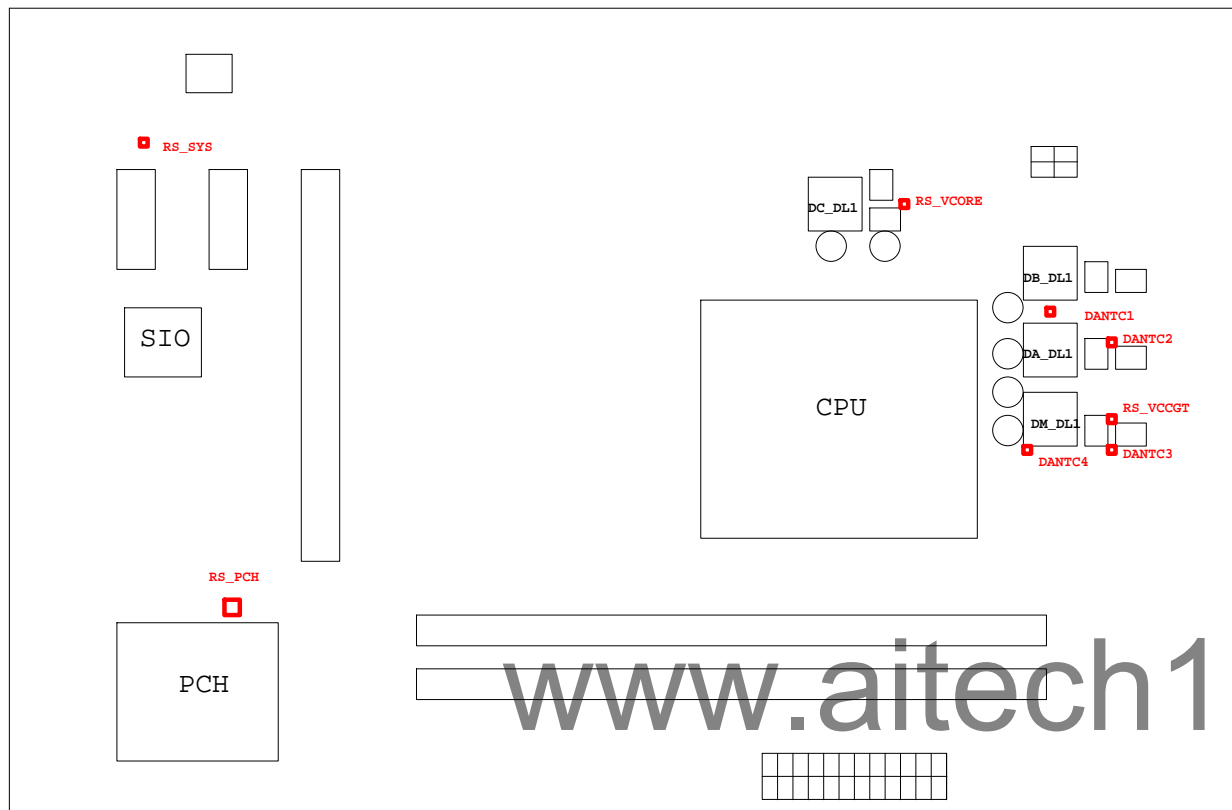
GA-H110M-WW

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1.0

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熱敏電阻	擺放靠近位置	走線方式
DANTC4	DM_DL1	Differential
DANTC1	DA_DL1	Differential
DANTC3	DM_DQ1	Differential
DANTC2	DA_DQ1	Differential
RS_VCORE	DA_DQ1	N/A
RS_VCCGT	DM_DQ1	N/A
RS_PCH	PCH	N/A
RS_SYS	CU1	N/A