

Model Name: GA-H81M-HD3

SHEET

TITLE

01	COVER SHEET
02	BOM & PCB MODIFY HISTORY
03	BLOCK DIAGRAM
04	CPU_LGA1150-A
05	CPU_LGA1150-B
06	CPU_LGA1150-C
07	DDR III CHANNEL A
08	DDR III CHANNEL B
09	PCH_FDI,DMI,USB,PCIE,NVRAM
10	PCH_DP,CLK BUFFER
11	PCH_HOST,SATA,PCI
12	PCH_GPIO,CTRL,AUDIO
13	PCH_PWR,GND
14	PCI EXPRESS X16 SLOT
15	PCI EXPRESS X1 SLOT
16	PCI SLOT 1,2
17	ITE 8620 LPC IO
18	COM,LPT,KB_MS
19	HWM,FAN CTRL,OV,-PROCHOT
20	DUAL BIOS
21	R_USB30,FP,FUSB,SPK,SATALED
22	CODEC ALC892
23	REAR AUDIO JACK
24	REALTEK RTL8111F
25	DISCRETE POWER
26	ATX
27	VCORE ISL95812_1

SHEET

TITLE

28	VCORE ISL95812_2
29	RT8120_DDR POWER
30	DVI
31	ITE IT8892E
32	USB3 VL805
33	HDMI/DP
34	F_USB30

Gigabyte Technology

Cover Sheet

Title	Document Number		Rev
Size	GA-H81M-HD3		1.06
Custom			
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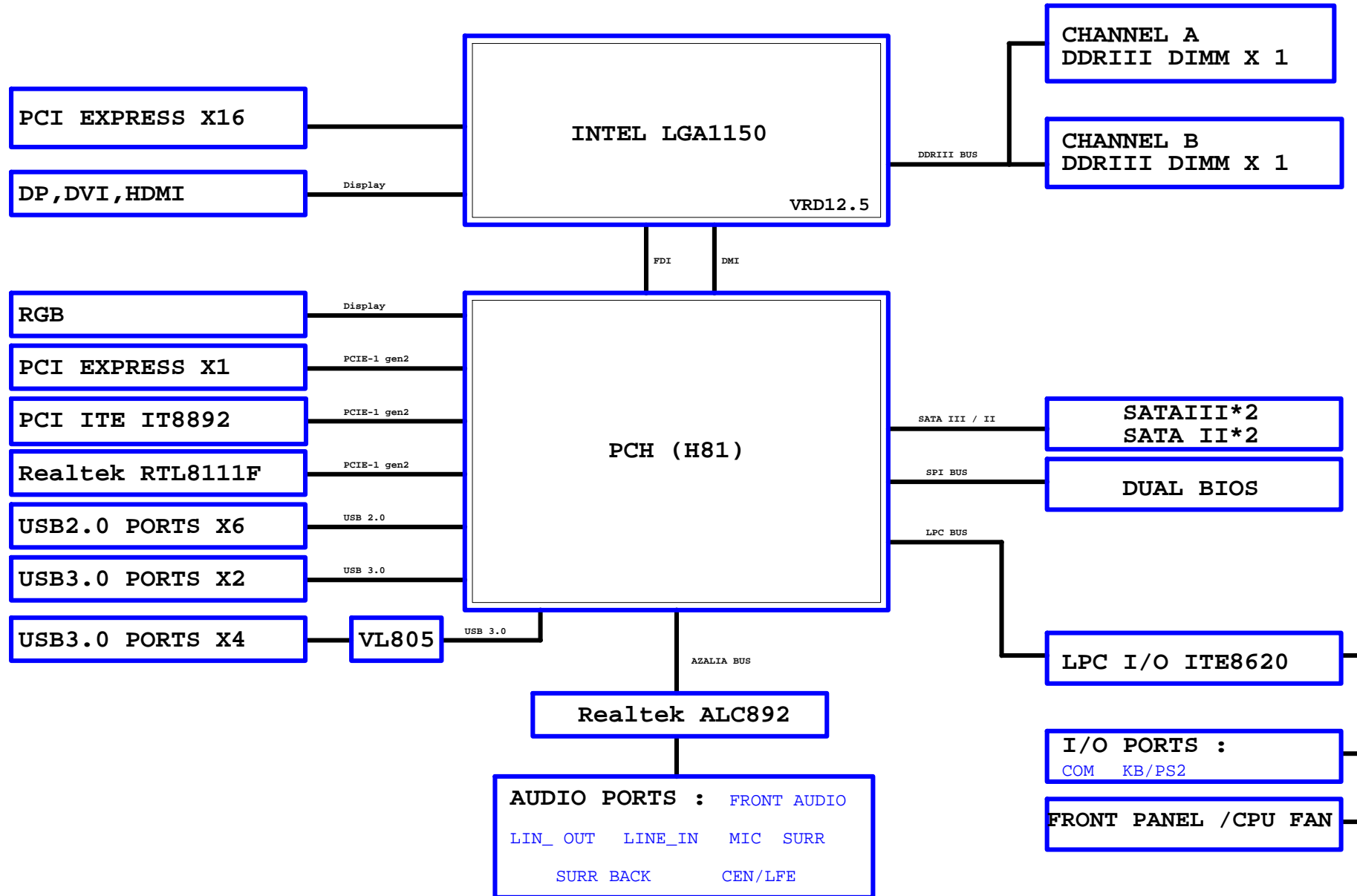
## Component value change history

2013/04/22

[illegible]

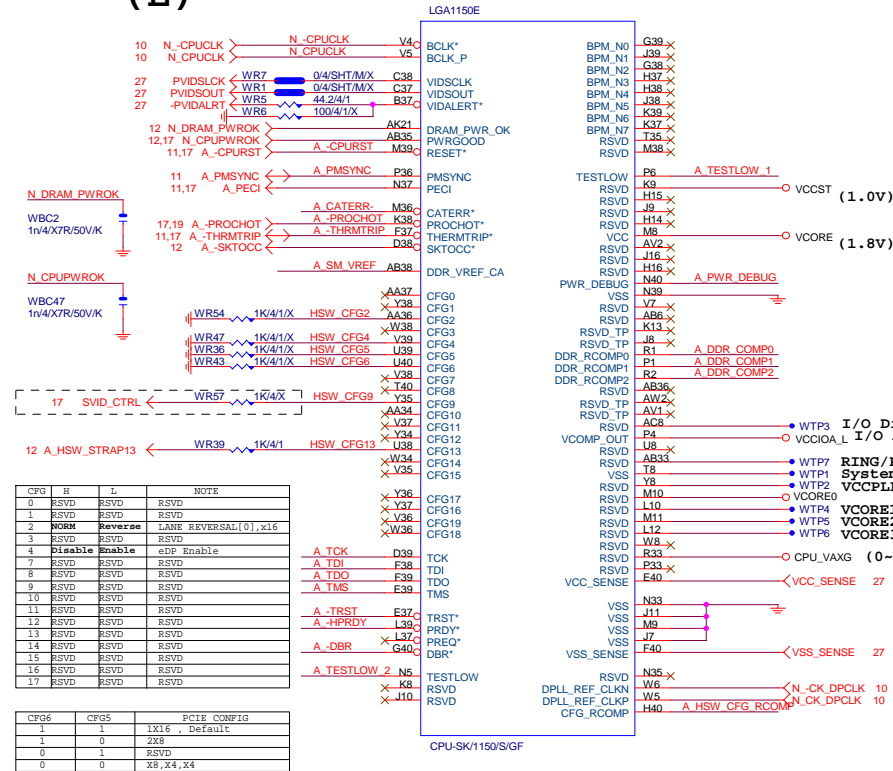
## Circuit or PCB layout change

[illegible]

**BLOCK DIAGRAM**

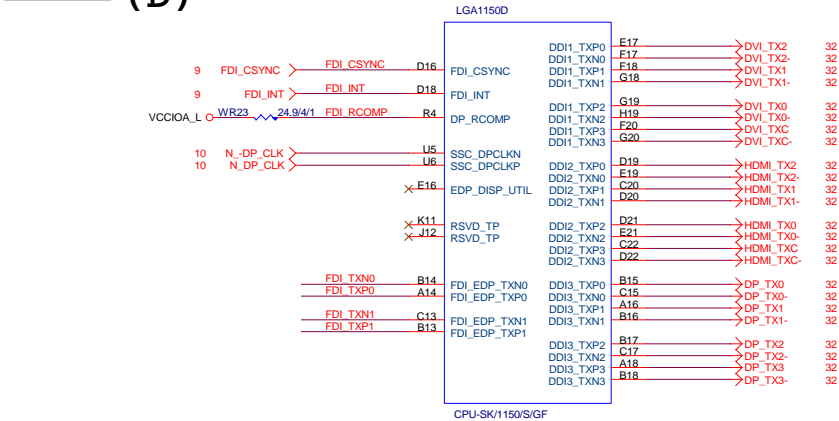
## LGA1150

(E)



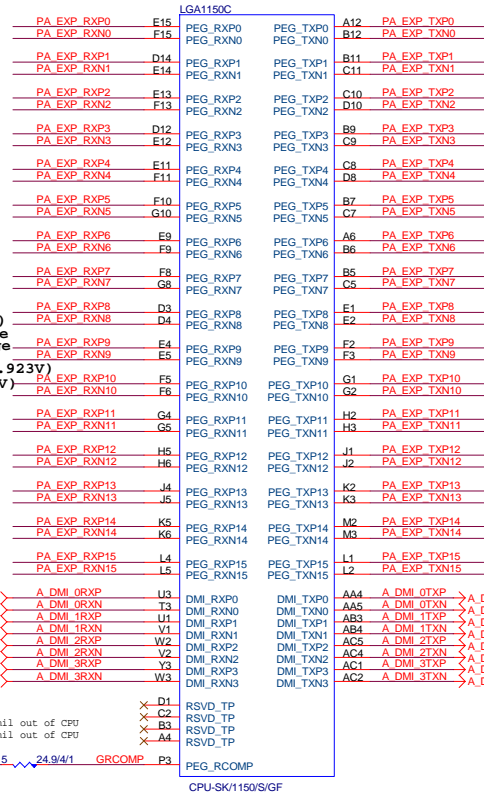
## LGA1150

(D)

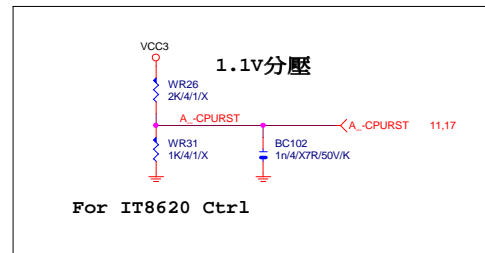
FDI:12/4/5/4/12(breakout min 6/4/4/4/6)  
Impedance=85 +- 17.5%FDI\_TXP0\_11 >>> FDI\_TXP[0..1] 9  
FDI\_TXN0\_11 >>> FDI\_TXN[0..1] 9

## LGA1155

(C)

PCIEX16:16/5/5/5/16(breakout min 10/4/4/4/10)  
Impedance=80 +- 17.5%

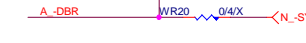
## -CPURST



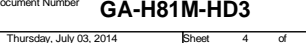
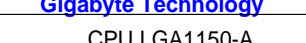
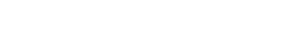
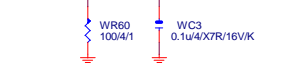
## CPU SVID



## CPU PU/PD



## SM REF



Gigabyte Technology

CPU LGA1150-A

GA-H81M-HD3

Rev 1.06

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LGA1150

(A)

LGA1150

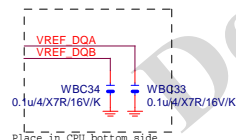
(B)

LGA1150

(CR)

LGA1150A			
MAAA0	AU13	DDR0_MA0	AD38 MDA0
MAAA1	AV16	DDR0_MA1	AD39 MDA1
MAAA2	AU16	DDR0_MA2	AF38 MDA2
MAAA3	AW17	DDR0_MA3	AF39 MDA3
MAAA4	AU17	DDR0_MA4	AD37 MDA4
MAAA5	AW18	DDR0_MA5	AD40 MDA5
MAAA6	AV17	DDR0_MA6	AE37 MDA6
MAAA7	AT18	DDR0_MA7	AF40 MDA7
MAAA8	AU18	DDR0_MA8	AH40 MDA9
MAAA9	AT19	DDR0_MA9	AH39 MDA10
MAAA10	AW11	DDR0_MA10	AK38 MDA10
MAAA11	AV19	DDR0_MA11	AK39 MDA11
MAAA12	AU19	DDR0_MA12	AH37 MDA12
MAAA13	AY10	DDR0_MA13	AH38 MDA13
MAAA14	AT20	DDR0_MA14	AK37 MDA14
MAAA15	AU21	DDR0_MA15	AK40 MDA15
MODT_A0	AW10	DDR0_ODT0	AM40 MDA17
MODT_A1	AY8	DDR0_ODT1	AM39 MDA21
AW9		DDR0_ODT2	AP38 MDA18
AW8		DDR0_ODT3	AP39 MDA19
AW33		DDR0_ODT4	AM37 MDA20
AW33		DDR0_ODT5	AM38 MDA16
AU31		DDR0_ODT6	AM22 MDA22
AT33		DDR0_ODT7	AP27 MDA23
AU33		DDR0_ODT8	AP40 MDA25
AT31		DDR0_ODT9	AV37 MDA25
AW31		DDR0_ODT10	AW37 MDA29
AW31		DDR0_ODT11	AU35 MDA26
AW31		DDR0_ODT12	AV35 MDA27
AW31		DDR0_ODT13	AT37 MDA28
AW31		DDR0_ODT14	AU37 MDA24
AW31		DDR0_ODT15	AT35 MDA30
AW31		DDR0_ODT16	AW35 MDA31
AW31		DDR0_ODT17	AW6 MDA35
AW31		DDR0_ODT18	AW6 MDA32
AW31		DDR0_ODT19	AW4 MDA38
AW31		DDR0_ODT20	AW4 MDA39
AW31		DDR0_ODT21	AR1 MDA41
AW31		DDR0_ODT22	AR4 MDA45
AW31		DDR0_ODT23	AN3 MDA42
AW31		DDR0_ODT24	AN4 MDA43
AW31		DDR0_ODT25	AR2 MDA44
AW31		DDR0_ODT26	AR3 MDA40
AW31		DDR0_ODT27	AN2 MDA46
AW31		DDR0_ODT28	AN1 MDA47
AW31		DDR0_ODT29	AL1 MDA49
AW31		DDR0_ODT30	AL4 MDA53
AW31		DDR0_ODT31	AL4 MDA50
AW31		DDR0_ODT32	AJ4 MDA51
AW31		DDR0_ODT33	AL2 MDA52
AW31		DDR0_ODT34	AL3 MDA48
AW31		DDR0_ODT35	AJ2 MDA54
AW31		DDR0_ODT36	AJ1 MDA55
AW31		DDR0_ODT37	AG1 MDA57
AW31		DDR0_ODT38	AG4 MDA61
AW31		DDR0_ODT39	AE3 MDA58
AW31		DDR0_ODT40	E4 MDA59
AW31		DDR0_ODT41	AG2 MDA60
AW31		DDR0_ODT42	AG3 MDA56
AW31		DDR0_ODT43	AE2 MDA62
AW31		DDR0_ODT44	AE1 MDA63
AW31		DDR0_ODT45	AE39 DQSA0
AW31		DDR0_ODT46	AJ39 DQSA1
AW31		DDR0_ODT47	AN39 DQSA2
AW31		DDR0_ODT48	AV36 DQSA3
AW31		DDR0_ODT49	AV5 DQSA4
AW31		DDR0_ODT50	AP3 DQSA5
AW31		DDR0_ODT51	AK3 DQSA6
AW31		DDR0_ODT52	AF3 DQSA7
AW31		DDR0_ODT53	AV32 DQSA0
AW31		DDR0_ODT54	AE38 DQSA1
AW31		DDR0_ODT55	AJ38 DQSA2
AW31		DDR0_ODT56	AN38 DQSA3
AW31		DDR0_ODT57	AJ36 DQSA4
AW31		DDR0_ODT58	AW5 DQSA5
AW31		DDR0_ODT59	AP2 DQSA6
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AW31		DDR0_ODT61	AF2 DQSA8
AW31		DDR0_ODT62	AJ32

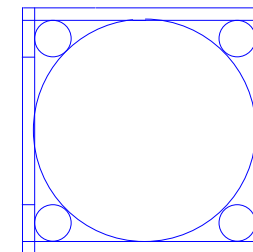
CPU-SK/1150/S/GF



LGA1150B

MAAB0	AL19	DDR1_MA0	AE34 MDB0
MAAB1	AK23	DDR1_MA1	AE35 MDB1
MAAB2	AM22	DDR1_MA2	AG35 MDB2
MAAB3	AM23	DDR1_MA3	AH35 MDB3
MAAB4	AP23	DDR1_MA4	AD34 MDB4
MAAB5	AL23	DDR1_MA5	AD35 MDB5
MAAB6	AY24	DDR1_MA6	AG34 MDB6
MAAB7	AV25	DDR1_MA7	AH34 MDB7
MAAB8	AU26	DDR1_MA8	AL34 MDB8
MAAB9	AW25	DDR1_MA9	AL35 MDB9
MAAB10	AP18	DDR1_MA10	AK31 MDB10
MAAB11	AL11	DDR1_MA11	AL31 MDB11
MAAB12	AV26	DDR1_MA12	AK34 MDB12
MAAB13	AR15	DDR1_MA13	AK35 MDB13
MAAB14	AV27	DDR1_MA14	AK32 MDB14
MAAB15	AY28	DDR1_MA15	AL32 MDB15
MODT_B0	AM17	DDR1_ODT0	AP34 MDB17
MODT_B1	AL16	DDR1_ODT1	AK31 MDB19
AM16		DDR1_ODT2	AP31 MDB23
AK15		DDR1_ODT3	AP35 MDB20
AM26		DDR1_ODT4	AP35 MDB16
AM25		DDR1_ODT5	AN32 MDB18
AP25		DDR1_ODT6	AP32 MDB22
AP28		DDR1_ODT7	AM29 MDB25
AL26		DDR1_ODT8	AM28 MDB28
AL25		DDR1_ODT9	AR29 MDB27
AR26		DDR1_ODT10	AR28 MDB30
AR26		DDR1_ODT11	AL23 MDB34
AR26		DDR1_ODT12	AL28 MDB29
AR26		DDR1_ODT13	AP29 MDB26
AR26		DDR1_ODT14	AP28 MDB31
AR26		DDR1_ODT15	AR12 MDB32
AR26		DDR1_ODT16	AR12 MDB33
AR26		DDR1_ODT17	AL13 MDB34
AR26		DDR1_ODT18	AL12 MDB35
AR26		DDR1_ODT19	AR13 MDB36
AR26		DDR1_ODT20	AP13 MDB37
AR26		DDR1_ODT21	AM13 MDB38
AR26		DDR1_ODT22	AM12 MDB39
AR26		DDR1_ODT23	AR9 MDB45
AR26		DDR1_ODT24	AP9 MDB41
AR26		DDR1_ODT25	AR6 MDB47
AR26		DDR1_ODT26	AP6 MDB43
AR26		DDR1_ODT27	AR10 MDB44
AR26		DDR1_ODT28	AP10 MDB46
AR26		DDR1_ODT29	AR7 MDB42
AR26		DDR1_ODT30	AM9 MDB52
AR26		DDR1_ODT31	AL9 MDB53
AR26		DDR1_ODT32	AL6 MDB50
AR26		DDR1_ODT33	AL7 MDB55
AR26		DDR1_ODT34	AM10 MDB48
AR26		DDR1_ODT35	AL10 MDB49
AR26		DDR1_ODT36	AM6 MDB54
AR26		DDR1_ODT37	AM2 MDB51
AR26		DDR1_ODT38	AH6 MDB61
AR26		DDR1_ODT39	AH7 MDB60
AR26		DDR1_ODT40	AE6 MDB59
AR26		DDR1_ODT41	AE7 MDB63
AR26		DDR1_ODT42	AJ6 MDB56
AR26		DDR1_ODT43	AJ7 MDB57
AR26		DDR1_ODT44	AF6 MDB58
AR26		DDR1_ODT45	AF7 MDB62
AR26		DDR1_ODT46	AF35 DQSB0
AR26		DDR1_ODT47	AL33 DQSB1
AR26		DDR1_ODT48	AN28 DQSB2
AR26		DDR1_ODT49	AN28 DQSB3
AR26		DDR1_ODT50	AN12 DQSB4
AR26		DDR1_ODT51	AP8 DQSB5
AR26		DDR1_ODT52	AL8 DQSB6
AR26		DDR1_ODT53	AG7 DQSB7
AR26		DDR1_ODT54	AN25 DQSB0
AR26		DDR1_ODT55	AK33 DQSB1
AR26		DDR1_ODT56	AN33 DQSB2
AR26		DDR1_ODT57	AN29 DQSB3
AR26		DDR1_ODT58	AL13 DQSB4
AR26		DDR1_ODT59	AR8 DQSB5
AR26		DDR1_ODT60	AM8 DQSB6
AR26		DDR1_ODT61	AG6 DQSB7
AR26		DDR1_ODT62	AN26

CPU-SK/1150/S/GF

CR  
CPU RETENTION/X

LGA1150



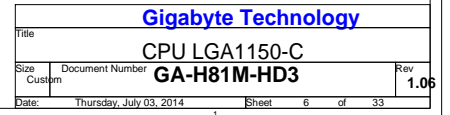
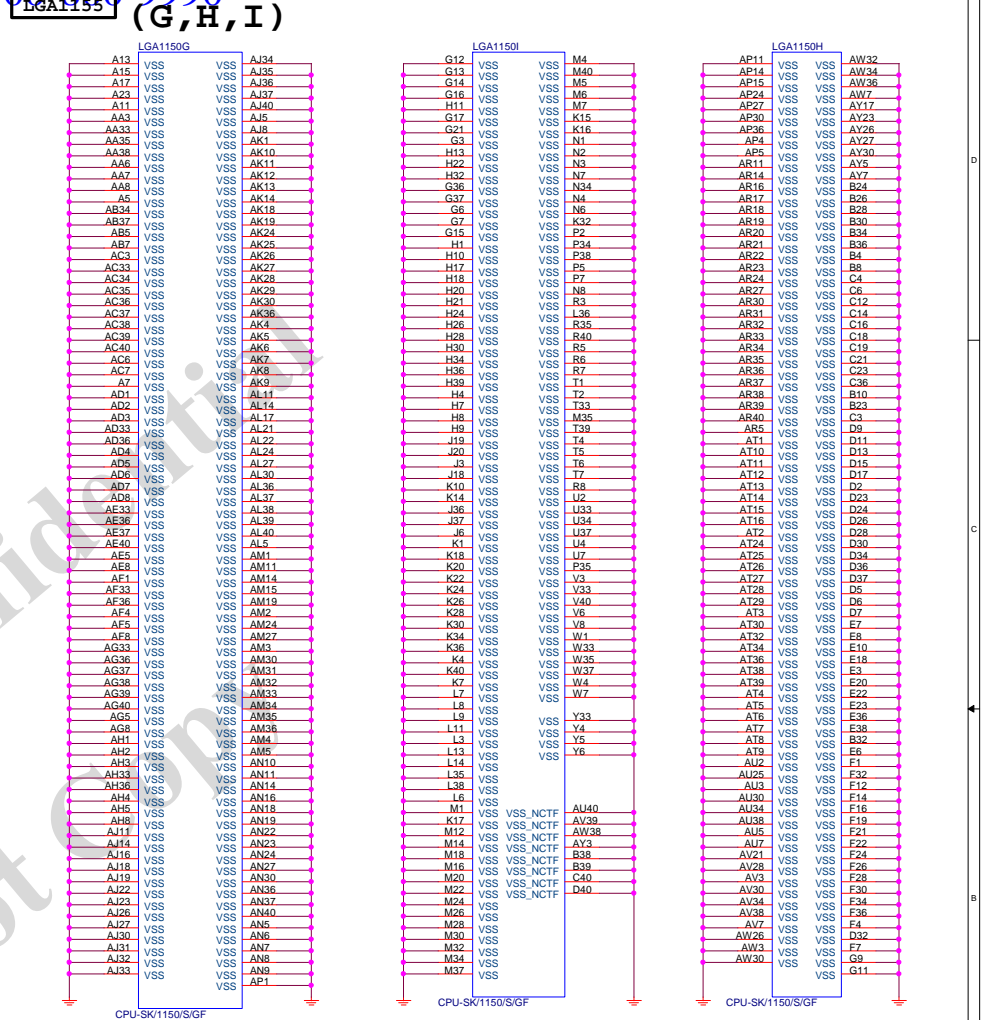
ILM\_BP/1156/CSP/ILM\_BP/1156/CSP/[12KRC-0F0001-52R\_12KRC-0F0001-51R]

DDR BUS

7	MODT_A[0..1]	MODT_A0..1
8	MODT_B[0..1]	MODT_B0..1
7	MDA[0..63]	MDA0..63
8	MDB[0..63]	MDB0..63
7	DQSA[0..7]	DQSA0..7
7	DQSA[0..7]	DQSA0..7
7	MAAA[0..15]	MAAA0..15
8	MAAB[0..15]	MAAB0..15
8	DQSB[0..7]	DQSB0..7
8	DQSB[0..7]	DQSB0..7

Gigabyte Technology

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#### DDR15V Decouple



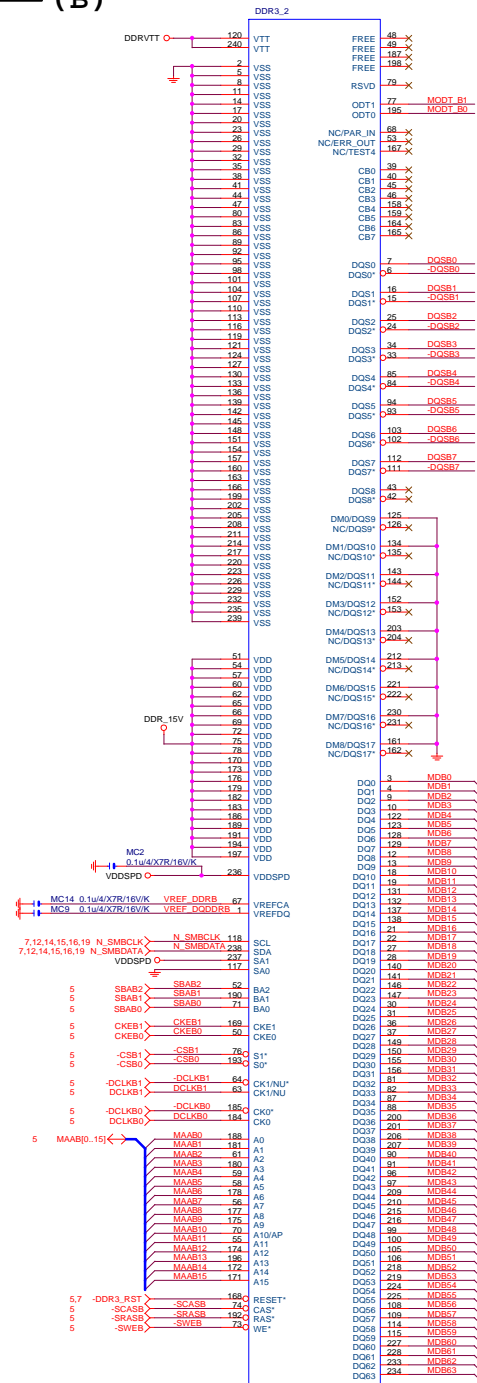
DDRVTT Decouple



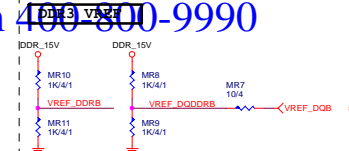
Gigabyte Technology			
Title			
DDRIII CHANNEL A			
Size	Document Number		Rev
Custom	GA-H81M-HD3		1.0
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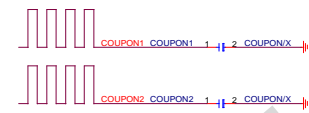
(B)



DDR3/240/BK/VA/D  
**BLACK CONNECTOR**



## COUPON



CPU

**DIMM:**

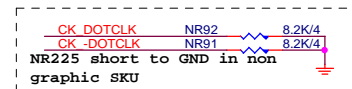
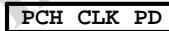
CHA

**DIMM:**

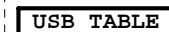
**CHB**



**PCH (F)**



PCH H/S



```
OC[3:0]# for Device 29 (ports 0-7)
OC[7:4]# for Device 26 (ports 8-13)
```

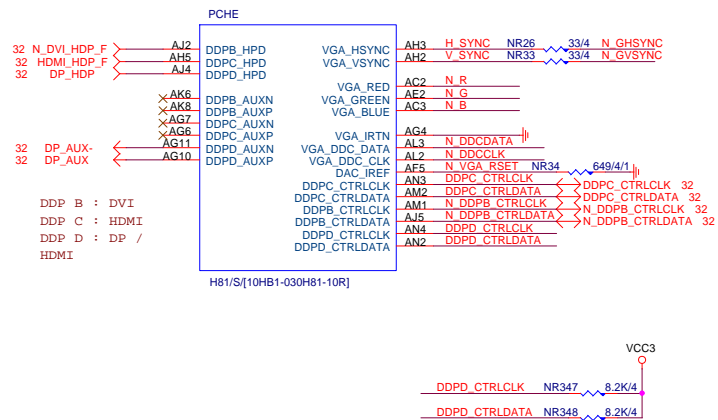
USB OC# Configure	
OC0#	R_USB30
OC1#	USB30_LAN
OC2#	N/A
OC3#	N/A
OC4#	F_USB1
OC5#	F_USB2
OC6#	N/A
OC7#	Not Use

## Gigabyte Technology

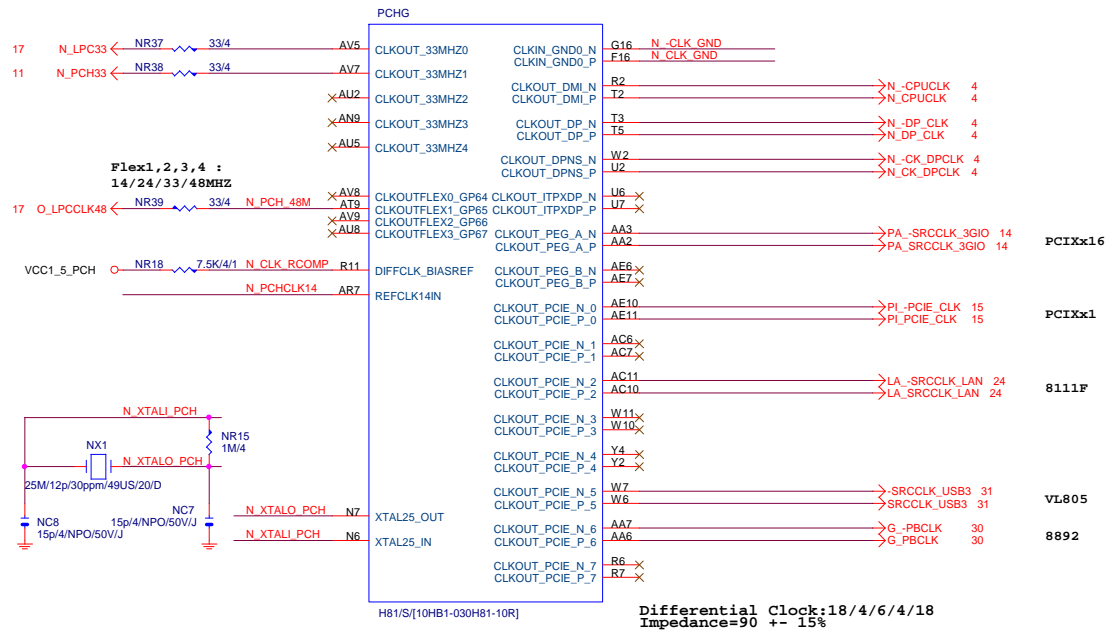
Title	PCH FDI,DMI,USB ,PCIE,NVRAM
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Size Custom	Document Number <b>GA-H81M-HD3</b>	Rev 1.06
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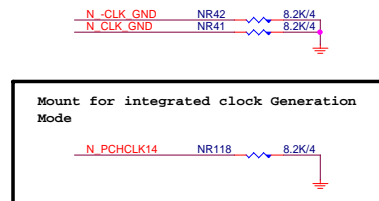
PCH (E)



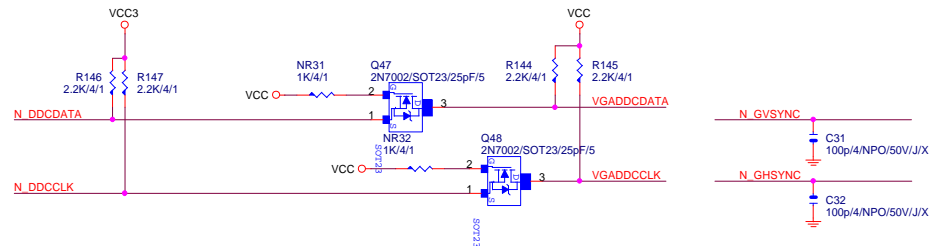
PCH (G)



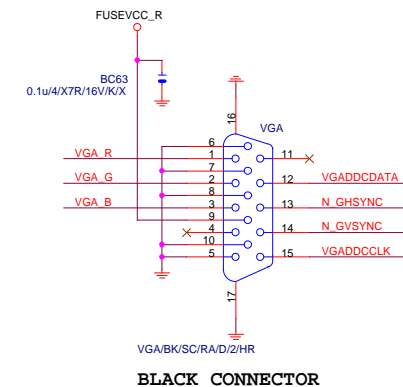
## PCH CLK PD



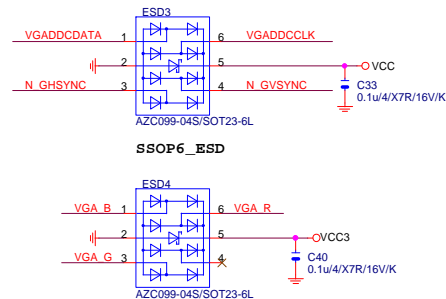
## VGA DDC



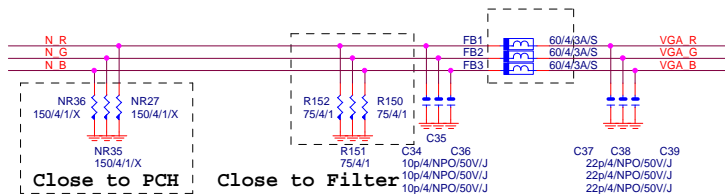
## VGA CONNECTOR



## VGA ESD



## VGA DDC

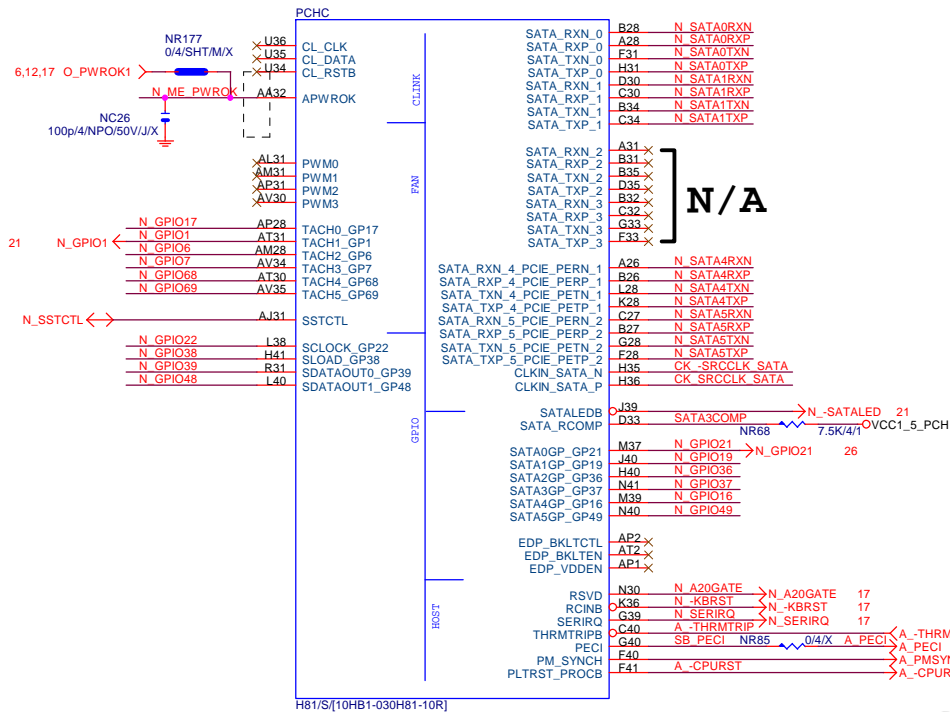


Gigabyte Technology

Title			PCH DISPLAY_CLK BUFFER			Rev 1.06
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# PCH (C)

SATA3 : 20/7.5/4.5/7.5/20 (breakout min 8/4/4/4/8)  
 Impedance=90 +- 17.5%  
 SATA2 : 15/7.5/4.5/7.5/15 (breakout min 8/4/4/4/8)  
 Impedance=90 +- 17.5%



## HSW\_STRAP13

32.768KHZ

CLR_CMOS
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## PCH\_DPWROK

## PCH GPIO , CTRL , AUDIO

Unit Number **GA-H81M-HD3**

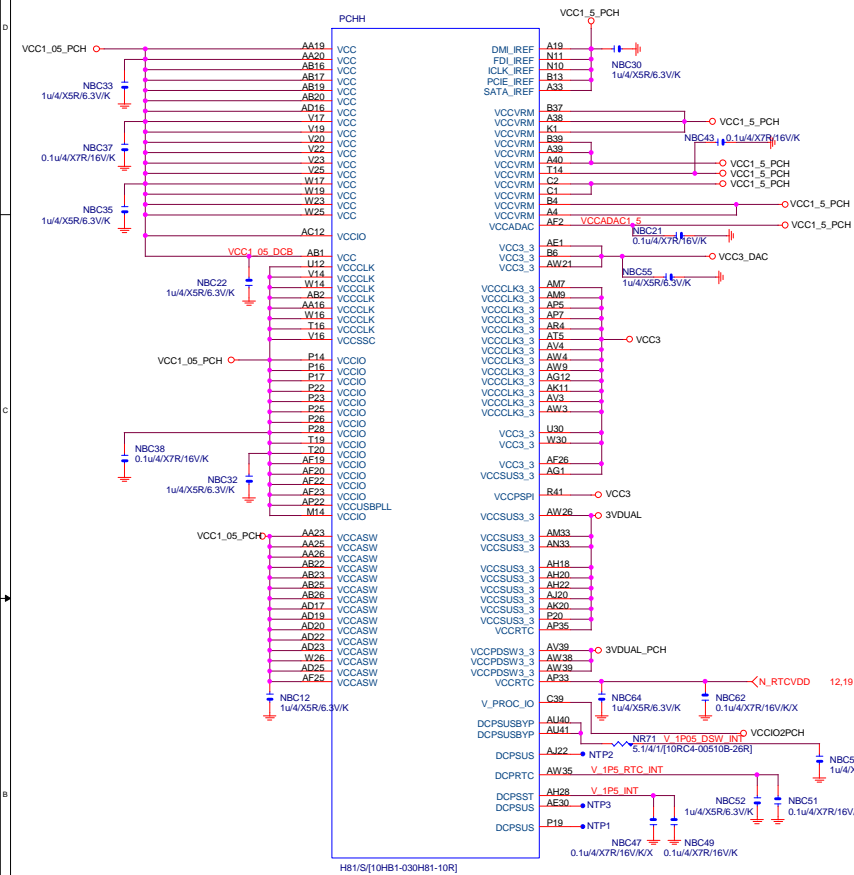
1.06

PCH (H)

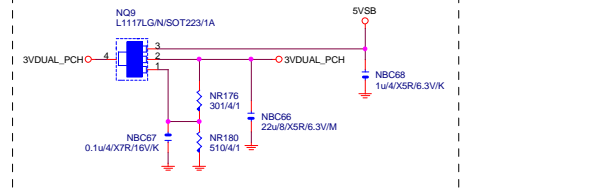
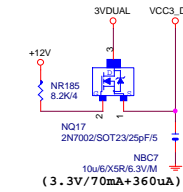
VCC3\_DAC

3VDUAL\_PCH

SHT\_PWR

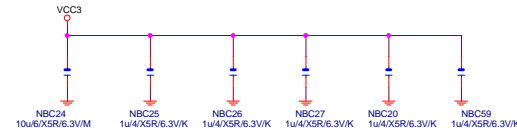


CLOSE北橋(注意震盪水波紋)

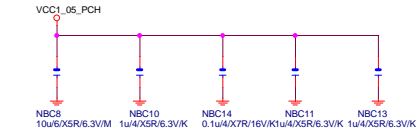


CAP

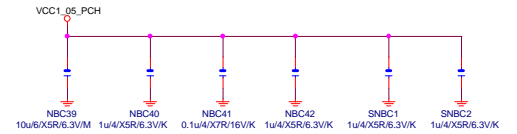
(3.3V) (X6)



(1.05V) (X5)



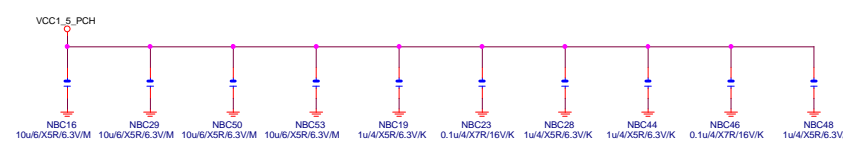
(1.05V) (X6)



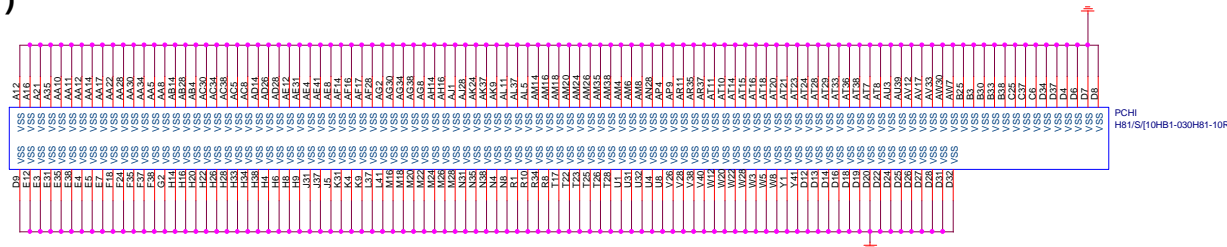
(1.05V)(X2) (3.3V)(X2)



(1.05V) (X10)

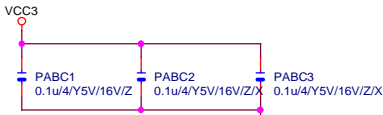


PCH (I)

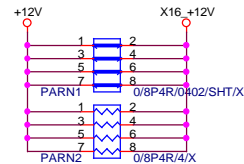




## PCIEX16 CAP



## PCIEX16 PROTECT SHT

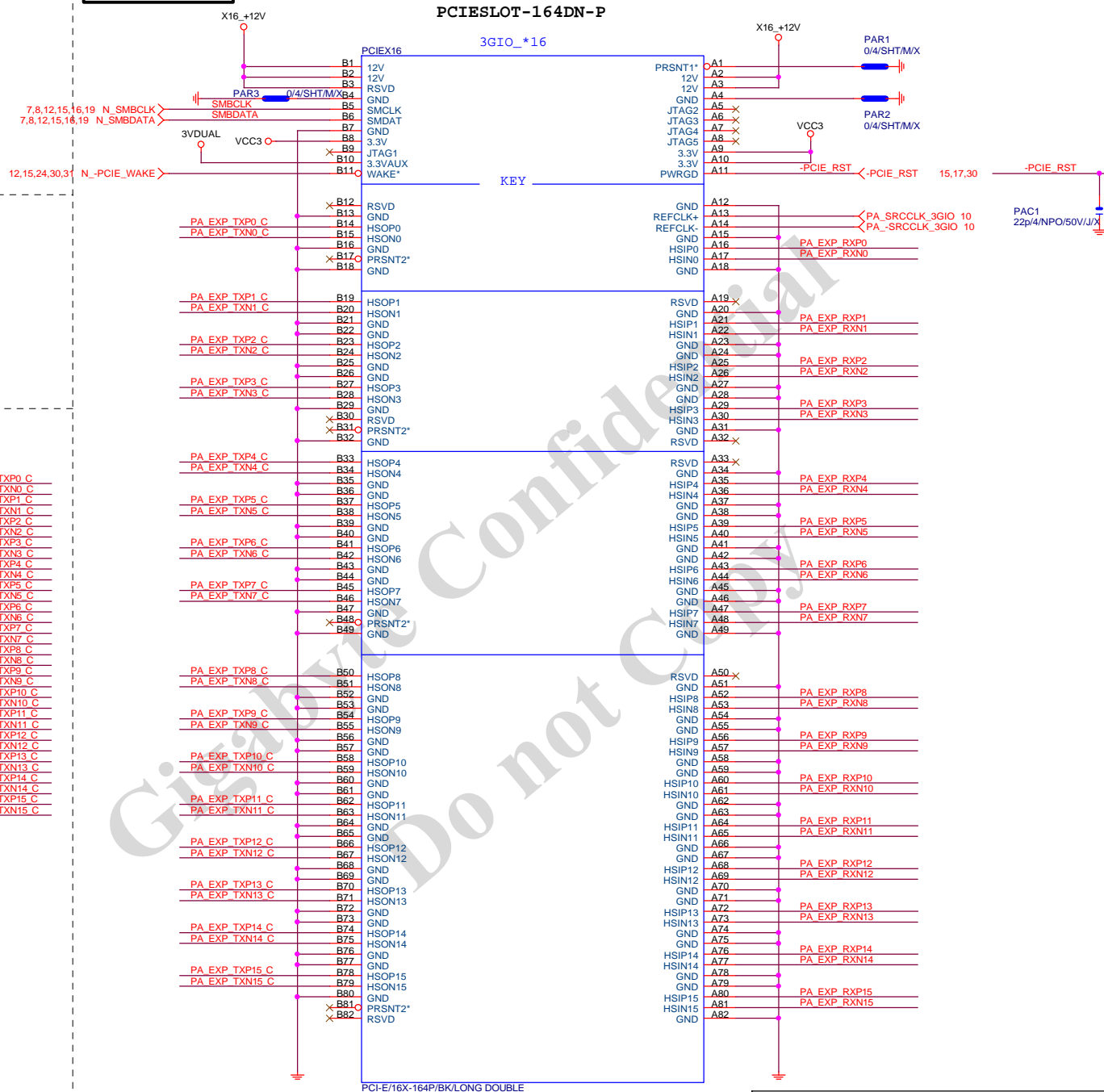


## PCIEX16 AC CAP

PA EXP TXP0	PAC5	0.22u4/X5R/6.3V/K	PA EXP TXP0 C
PA EXP TXN0	PAC4	0.22u4/X5R/6.3V/K	PA EXP TXN0 C
PA EXP TXP1	PAC6	0.22u4/X5R/6.3V/K	PA EXP TXP1 C
PA EXP TXN1	PAC7	0.22u4/X5R/6.3V/K	PA EXP TXN1 C
PA EXP TXP2	PAC8	0.22u4/X5R/6.3V/K	PA EXP TXP2 C
PA EXP TXN2	PAC9	0.22u4/X5R/6.3V/K	PA EXP TXN2 C
PA EXP TXP3	PAC10	0.22u4/X5R/6.3V/K	PA EXP TXP3 C
PA EXP TXN3	PAC11	0.22u4/X5R/6.3V/K	PA EXP TXN3 C
PA EXP TXP4	PAC12	0.22u4/X5R/6.3V/K	PA EXP TXP4 C
PA EXP TXN4	PAC13	0.22u4/X5R/6.3V/K	PA EXP TXN4 C
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PA EXP TXN6	PAC17	0.22u4/X5R/6.3V/K	PA EXP TXN6 C
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PA EXP TXN7	PAC18	0.22u4/X5R/6.3V/K	PA EXP TXN7 C
PA EXP TXP8	PAC20	0.22u4/X5R/6.3V/K	PA EXP TXP8 C
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PA EXP TXN10	PAC25	0.22u4/X5R/6.3V/K	PA EXP TXN10 C
PA EXP TXP11	PAC26	0.22u4/X5R/6.3V/K	PA EXP TXP11 C
PA EXP TXN11	PAC27	0.22u4/X5R/6.3V/K	PA EXP TXN11 C
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PA EXP TXN13	PAC31	0.22u4/X5R/6.3V/K	PA EXP TXN13 C
PA EXP TXP14	PAC32	0.22u4/X5R/6.3V/K	PA EXP TXP14 C
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PA EXP TXP15	PAC34	0.22u4/X5R/6.3V/K	PA EXP TXP15 C
PA EXP TXN15	PAC35	0.22u4/X5R/6.3V/K	PA EXP TXN15 C

PA EXP RXP0.[15] >>> PA\_EXP\_RXP[0..15] 4  
PA EXP RXN0.[15] >>> PA\_EXP\_RXN[0..15] 4  
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## PCIEX16 SLOT



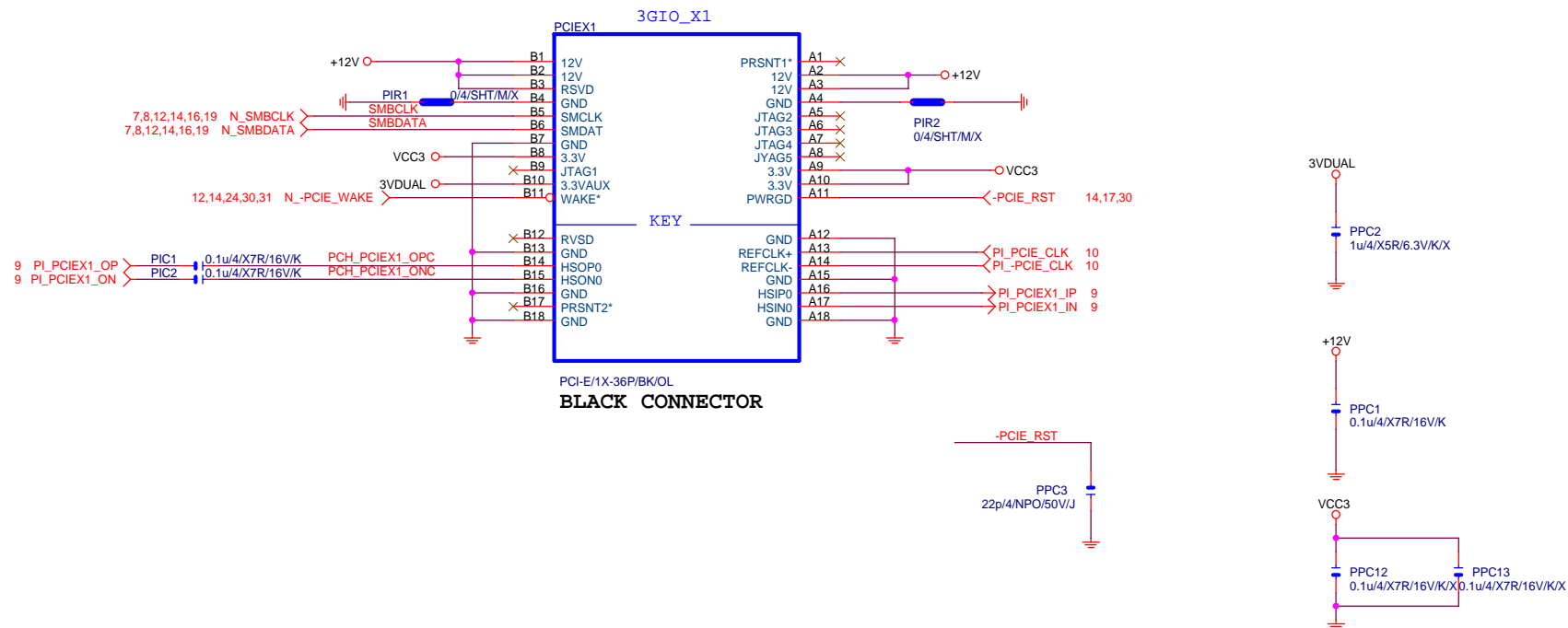
PCI-E/16X-164P/BK/LONG DOUBLE

BLACK CONNECTOR

Gigabyte Technology

Title					Rev 1.06
PCI EXPRESS * 16					
Size Custom	Document Number GA-H81M-HD3				
Date: Thursday, July 03, 2014		Sheet 14 of 33			

## PCIEX1 SLOT



Gigabyte Technology

Title

PCI EXPRESS X 1 PORT

Size  
Custom

Document Number

GA-H81M-HD3

Rev  
1.06

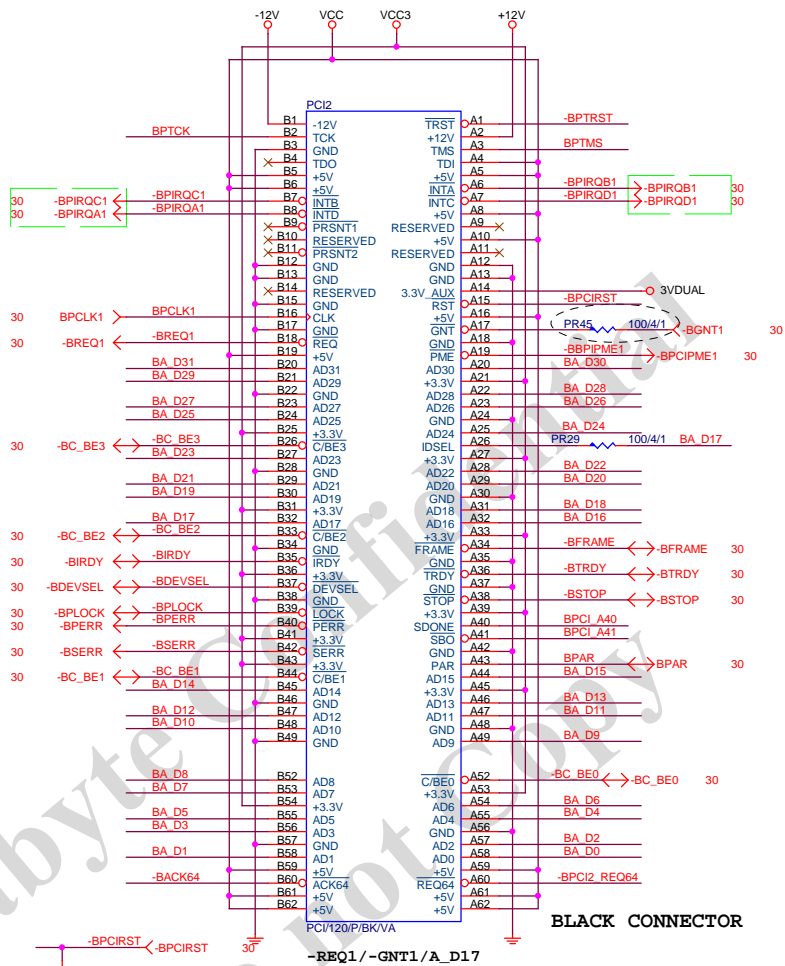
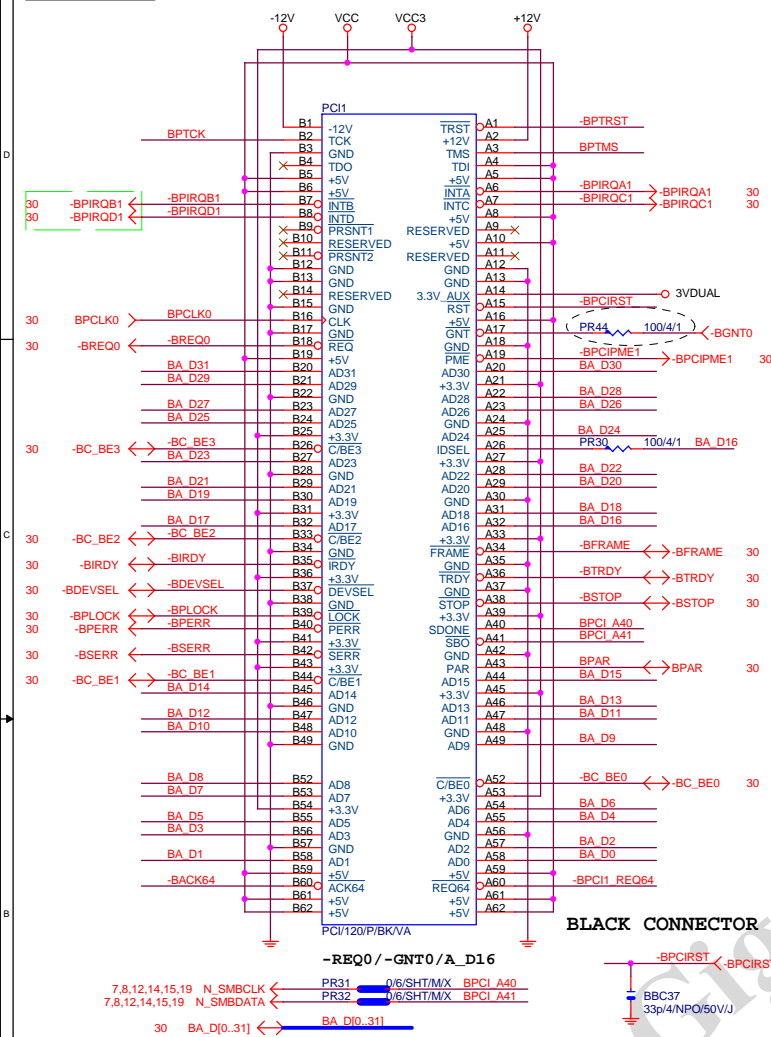
Date: Thursday, July 03, 2014

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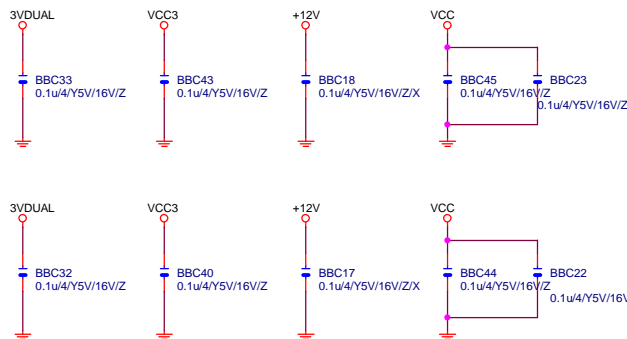
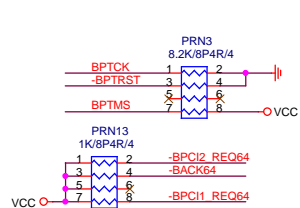
PCI SLOT 1

PCI SLOT 2



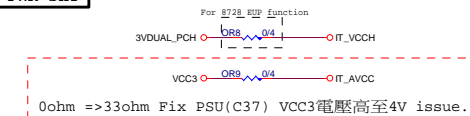
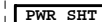
PCI PU

PCI CAP

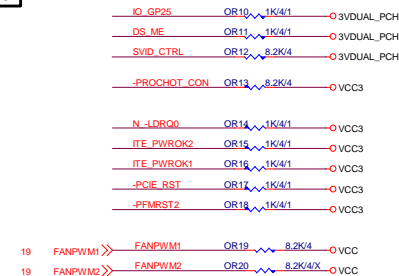


Gigabyte Technology

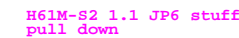
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GA-H81M-HD3		
Size	Document Number	Rev
Custom		1.06
Date:	Thursday, July 03, 2014	Sheet 16 of 33



SIO	PU
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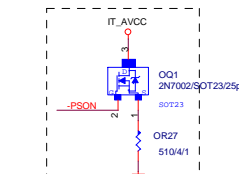


SIO STRAP
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ITE recommended

Power leakage
---------------

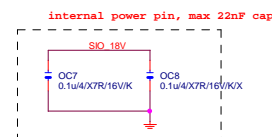


For IT8721 Power leakage

## DUAL BIOS OPT STRAP



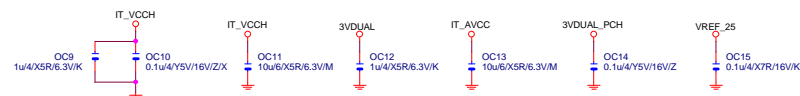
SIO\_18V



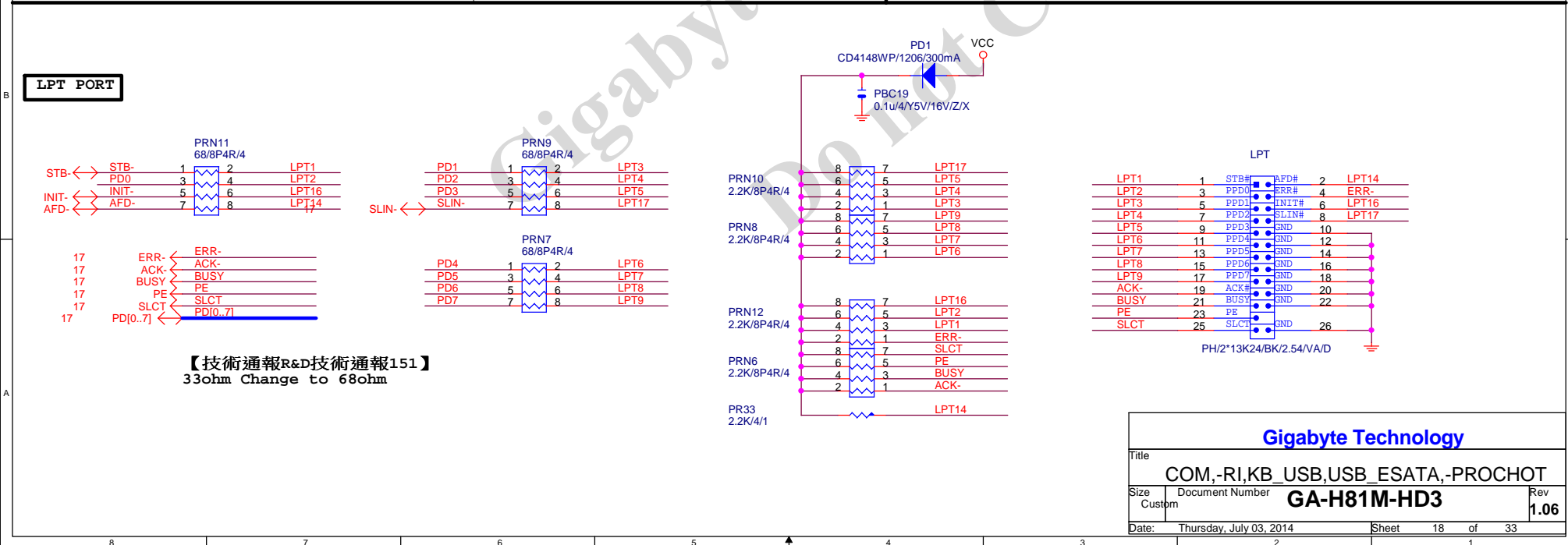
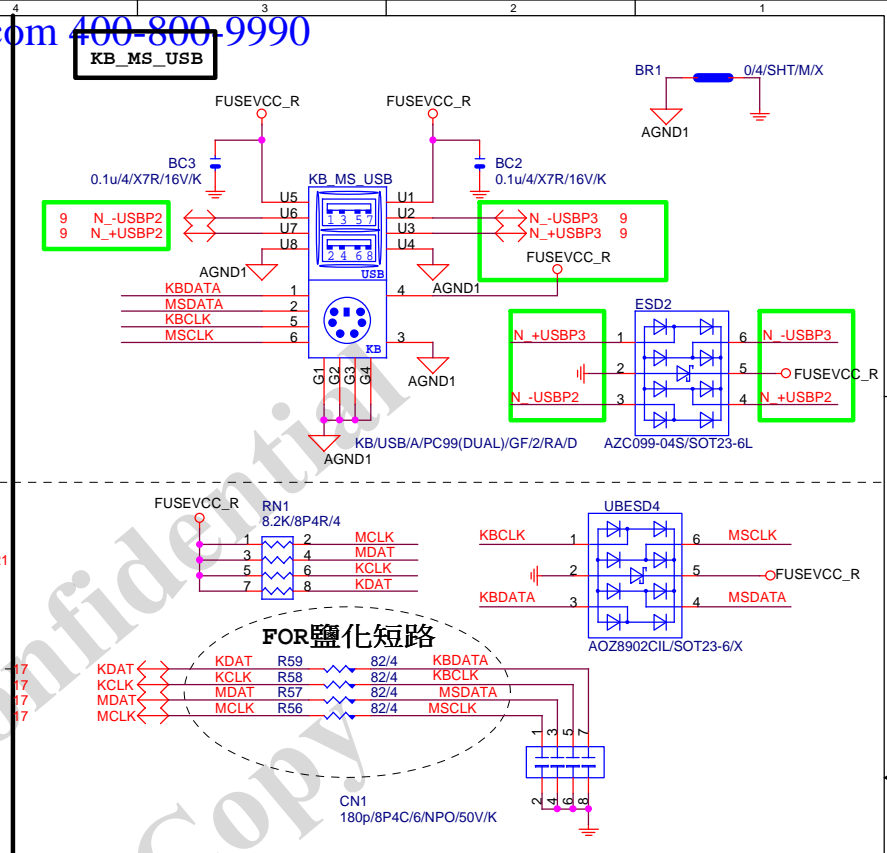
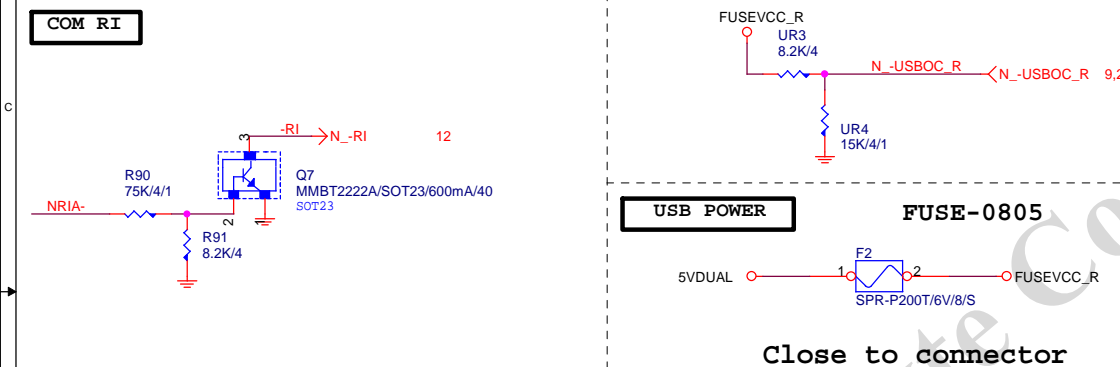
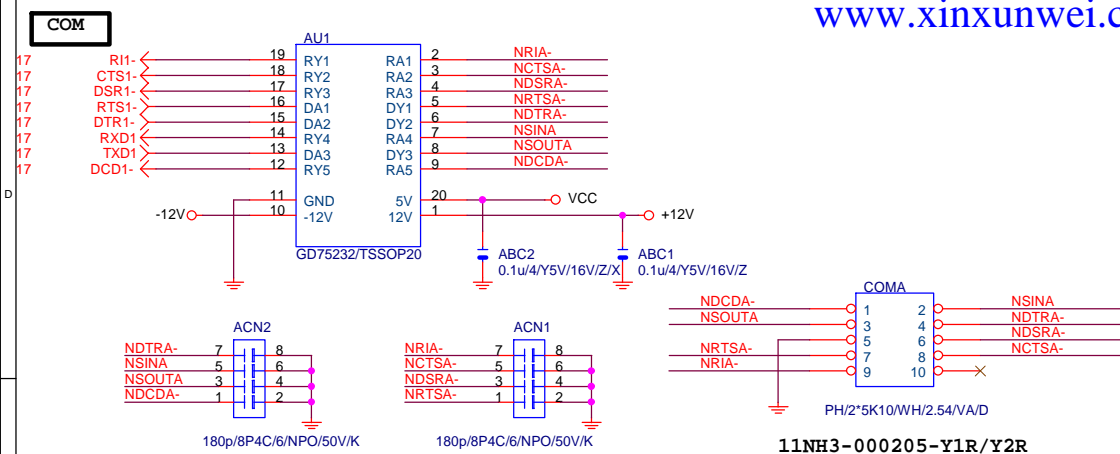
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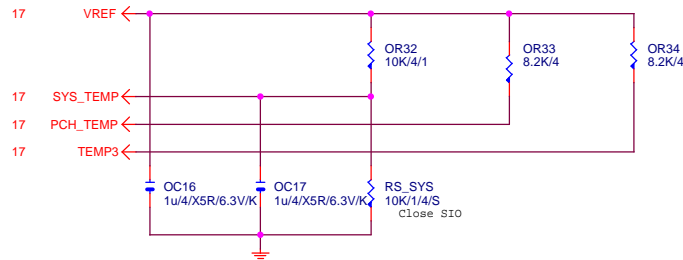
## SIO CAP



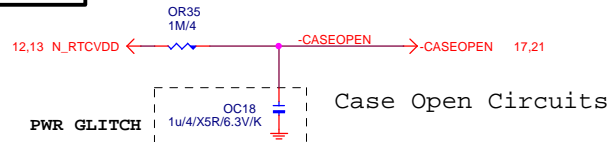
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Title			
SIO IT8620			
Size C	Document Number		Rev
	<b>GA-H81M-HD3</b>		<b>1.00</b>
Date:	Thursday, July 03, 2014		Sheet 17 of 33



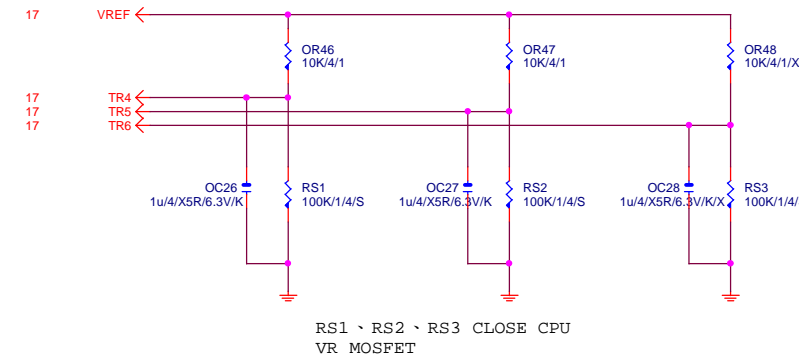
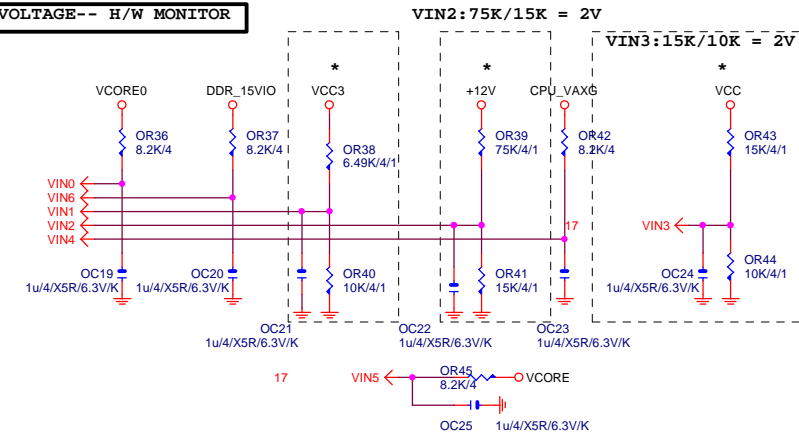
# TEMP H/W MONITOR



# CASE OPEN

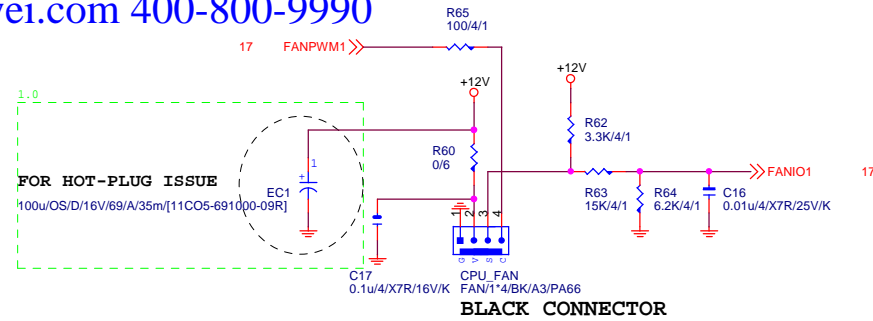


# VOLTAGE-- H/W MONITOR

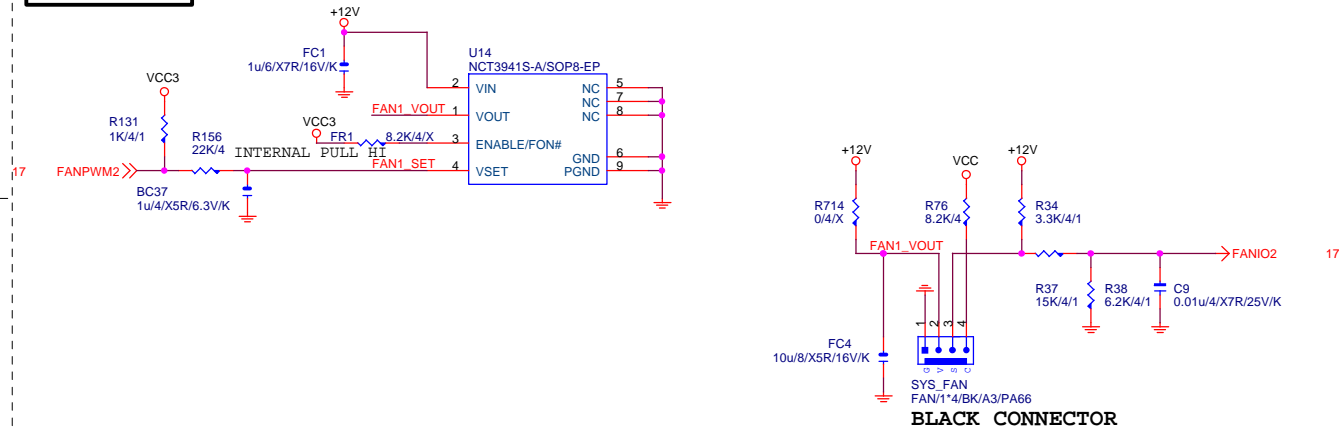


www.gigabyte.com 400-800-9990

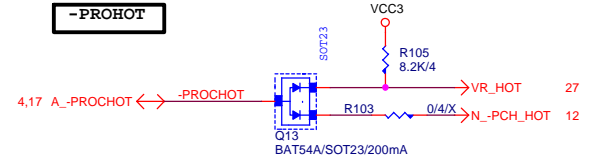
# CPU SMART FAN



# SYS SMART FAN

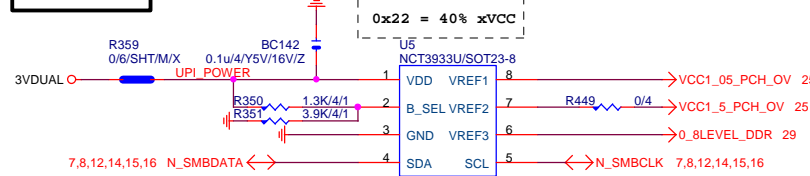


# -PROHOT



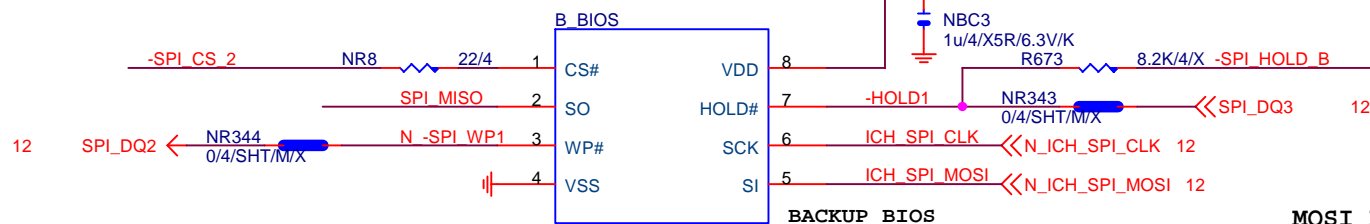
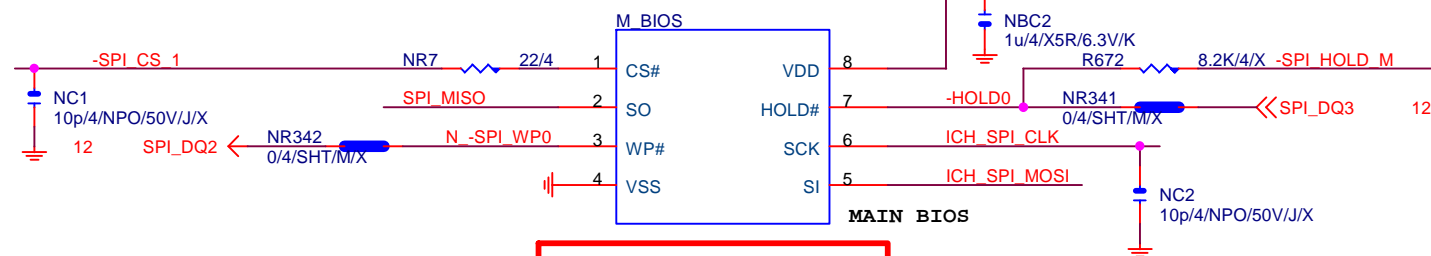
# 接pwm feedback pin

# OV NCT3933



Gigabyte Technology

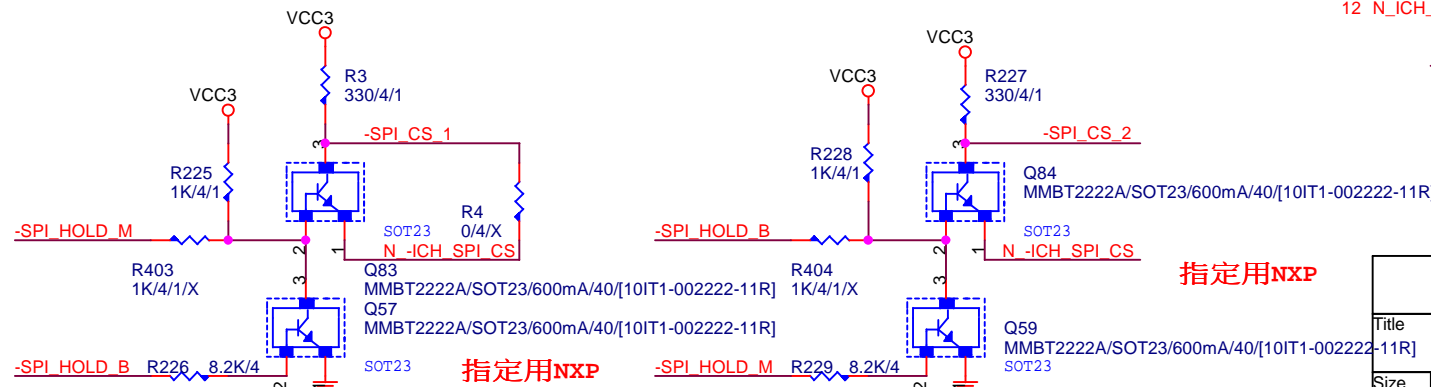
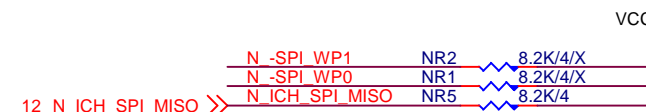
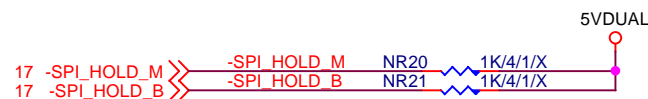
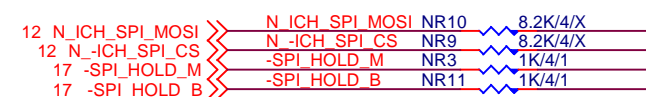
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HWM.FAN CTRL.OV				
Size	Document Number			Rev
Custom	GA-H81M-HD3			1.06
Date:	Thursday, July 03, 2014		Sheet	19 of 33



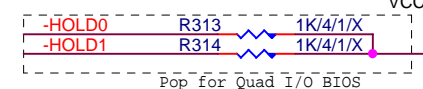
BOOT DEVICE	GNT0	GNT1
LPC	0	0
PCI	0	1
NAND	1	0
SPI	1	1

1 means floating  
0 means PD 1K

#### MOSI For DMI RX Termination Voltage



#### CHECK



Pop for Quad I/O BIOS

指定用NXP

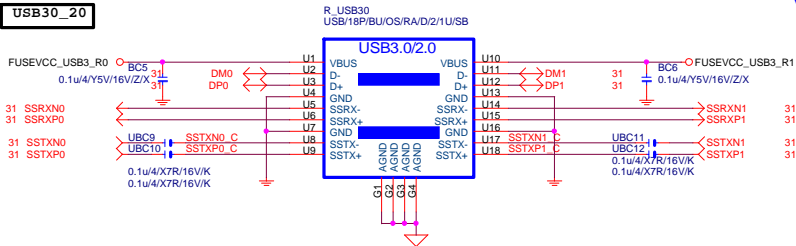
**Gigabyte Technology**

**DUAL BIOS**

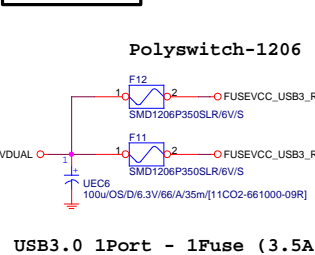
**GA-H81M-HD3**

Title	Document Number	Rev
Size Custom		1.06
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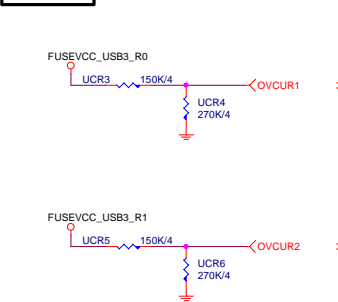
## USB30\_20



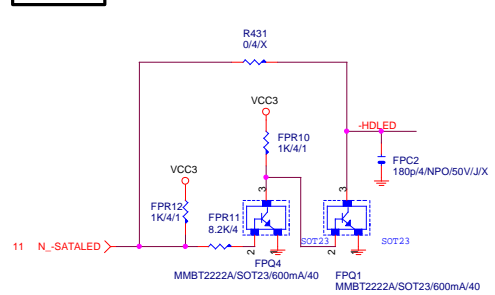
## USB30\_20 1Port



## USB30\_20 1Port

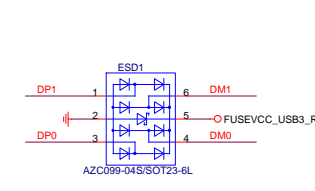
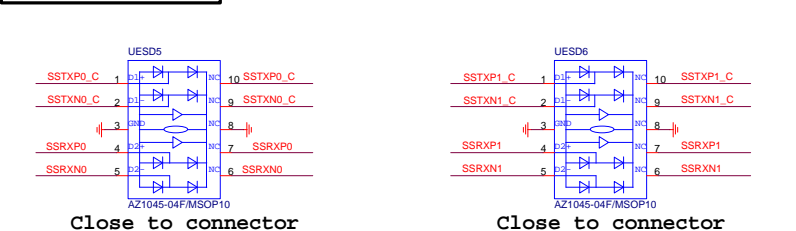


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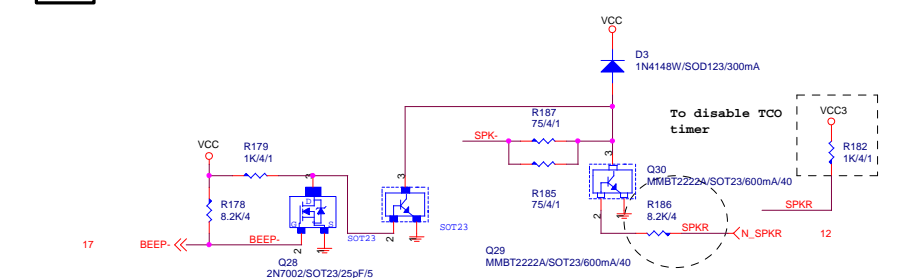


## USB30\_20 ESD PROTECT

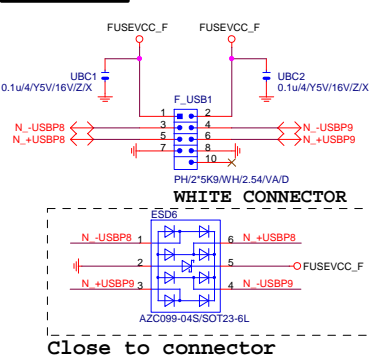
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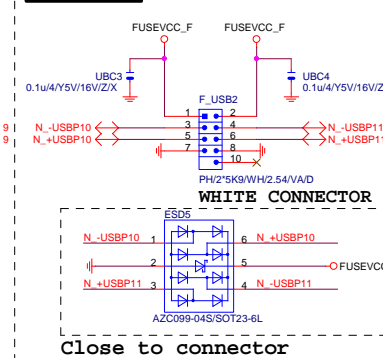
## SPKR



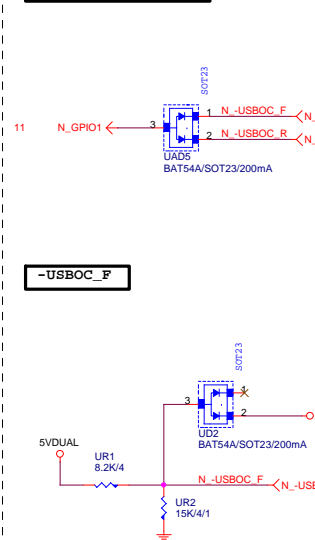
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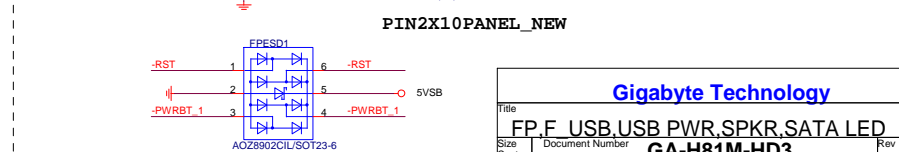
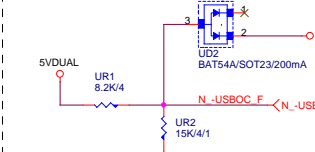
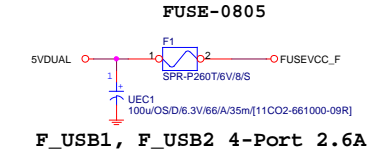
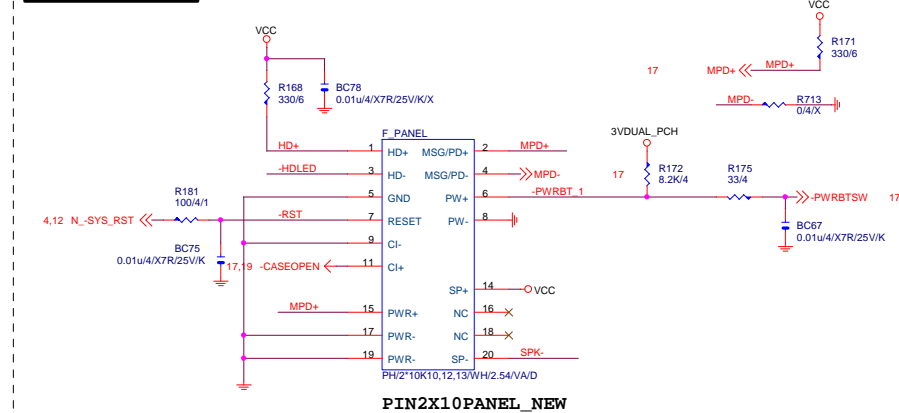
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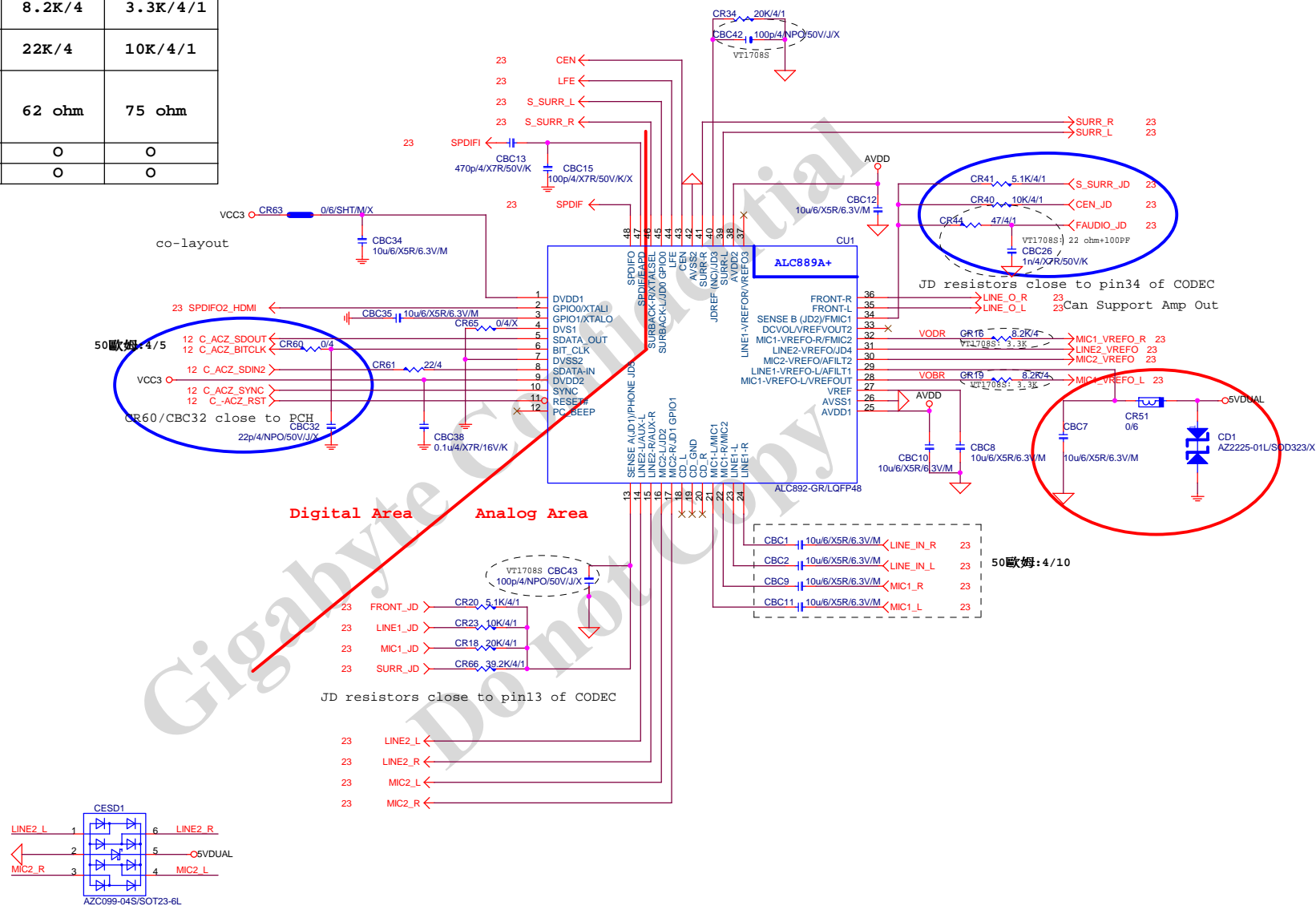
## USB POWER PROTECT



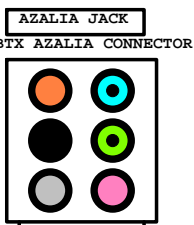
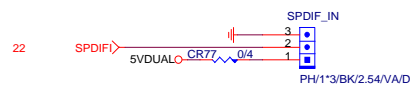
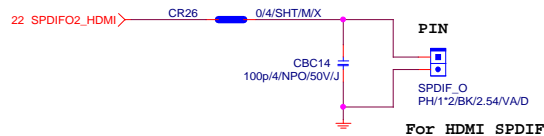
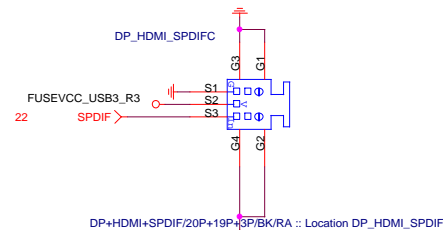
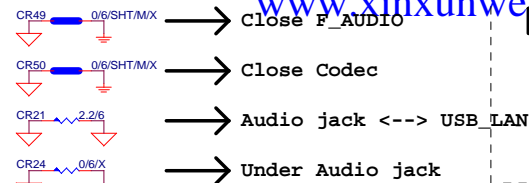
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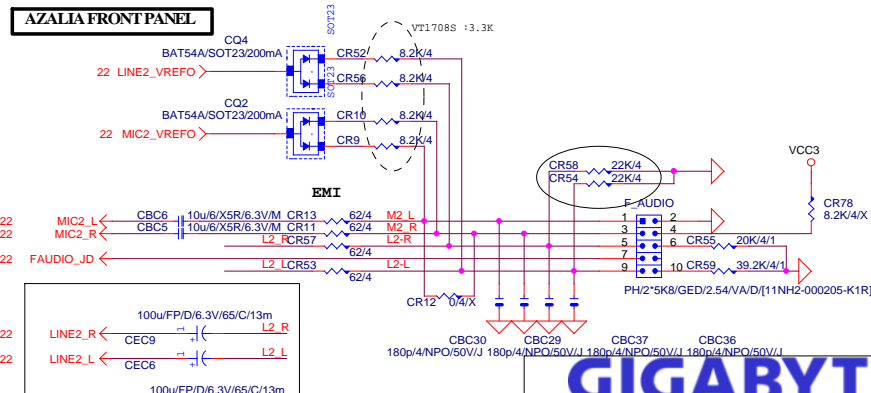
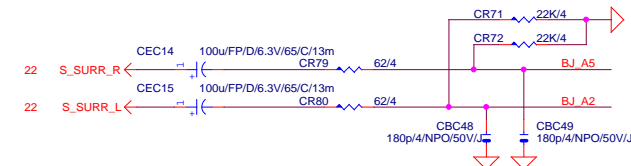
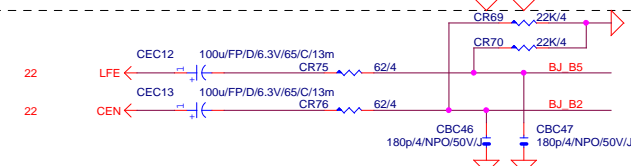
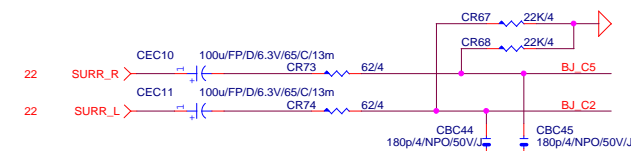
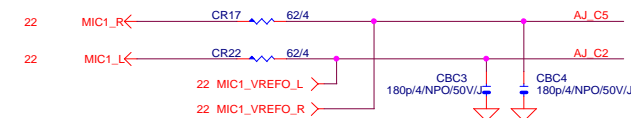
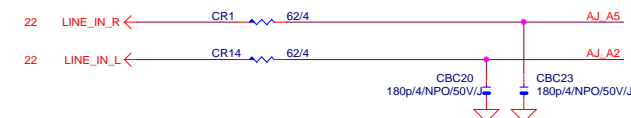
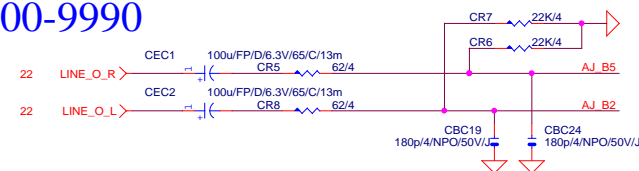
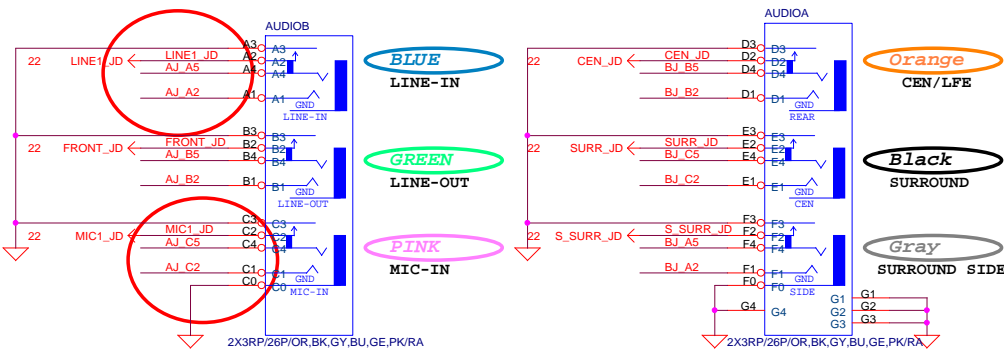
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CBC42/CBC43	X	X	100P/4
CR16/CR19 CR52/CR56/CR10/CR9	8.2K/4	8.2K/4	3.3K/4/1
CR6/CR7/CR58/CR54/ CR67/CR68/CR69/CR70	22K/4	22K/4	10K/4/1
CR5/CR8/CR1/CR14/ CR17/CR22/CR73/CR74/ CR13/CR11/CR57/CR53/ CR75/CR76	62 ohm	62 ohm	75 ohm
CR51/CD1/CBC7	O	O	O
CESD1	O	O	O




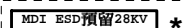




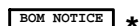
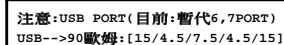
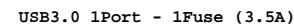
11NR6-403007-21R



			
Title			
AUDIO JACK			
Size	Document Number	Rev	
Custom	GA-H81M-HD3	1.06	
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AVDD33	3.3V
DVDD33	3.3V
VDDREG	3.3V
DVDD10	1.05V

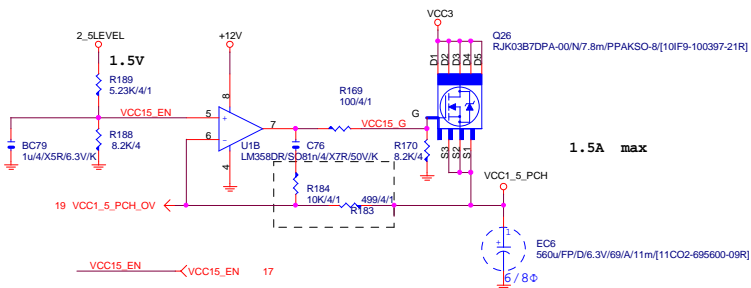


料號	規格	廠商
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[LED獨立走線,可省略外加AZC099料件-LAESD1]		

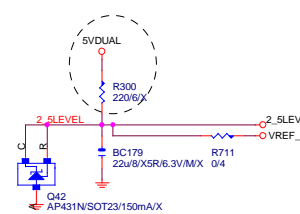
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USB\_LAN (RU9):11NR6-702009-96R  
2. 28KV ESD BOM:  
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LAESD2, LAESD3: 上件:AZC398-04S

Title			Realtek RTL8111G		
Size	Document Number				Rev
Custom	<b>GA-H81M-HD3</b>				1.06
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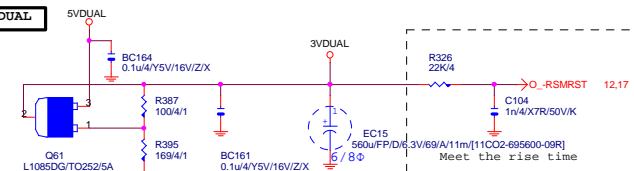
VCC1\_5\_PCH



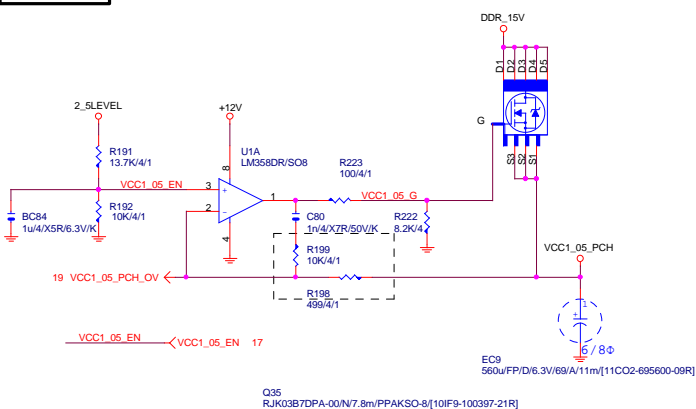
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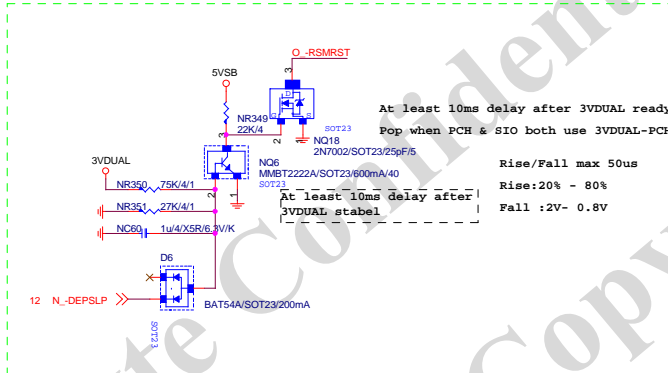
3VDUAL



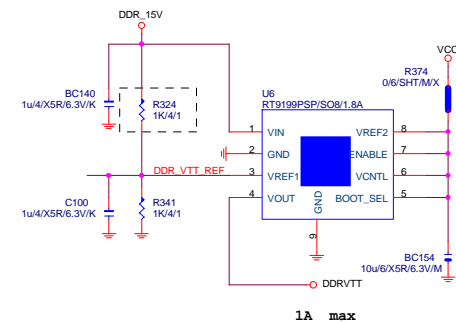
VCC1\_05\_PCH



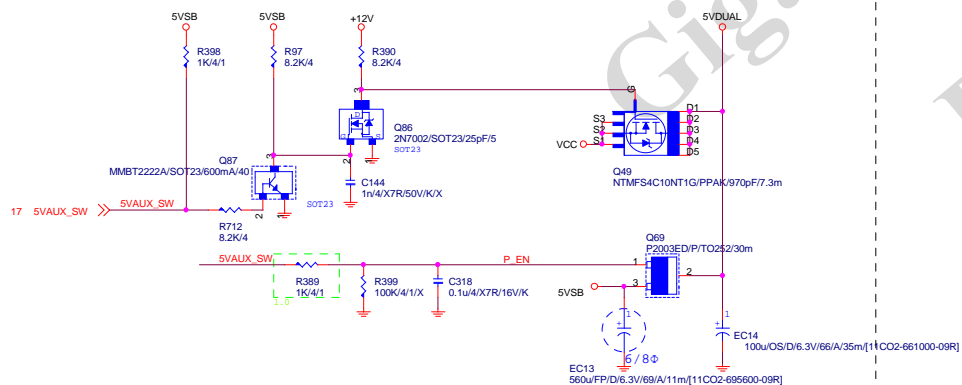
1.0



DDRVTT

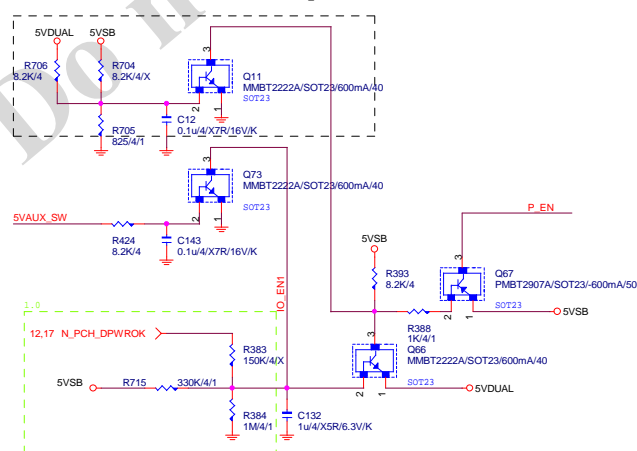


5VDUAL



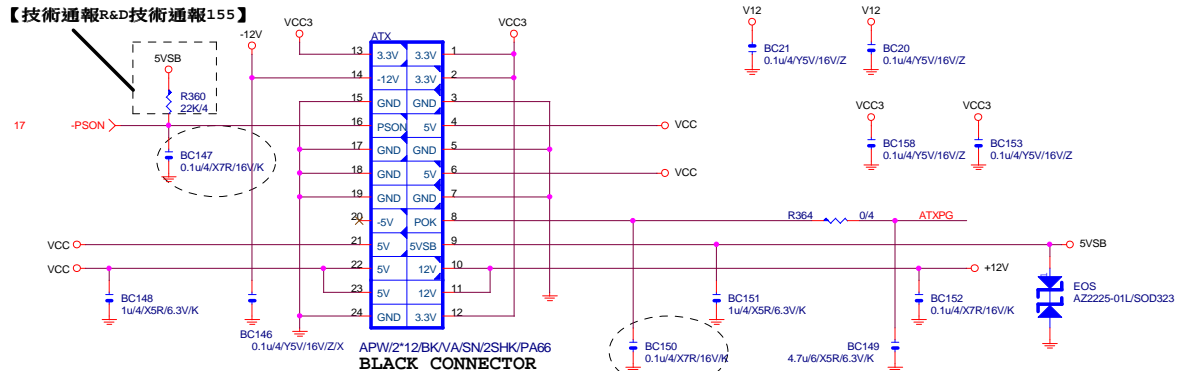
5VDUAL SHORT PROTECT

5VSB OVP: 7.5V protection



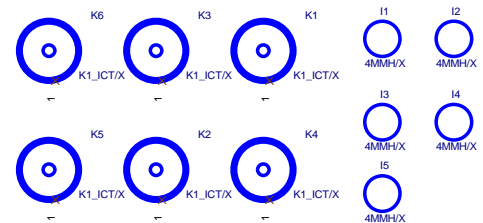
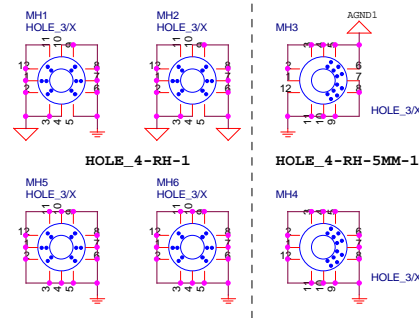
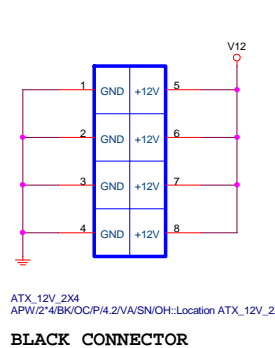
# ATXX24 POWER CONNECTOR

【技術通報R&D技術通報155】



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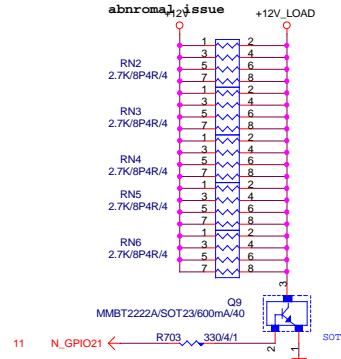
# ATXX4 POWER CONNECTOR



To prevent the 5VSB under loading when boot

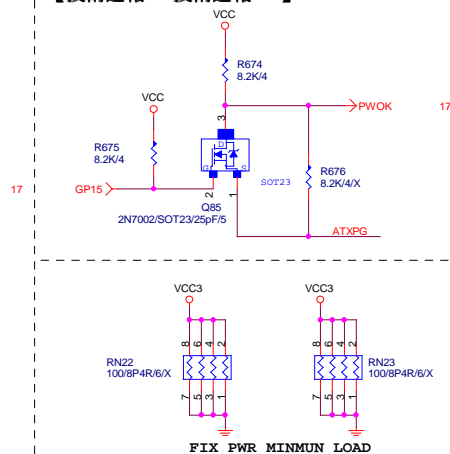
【技術通報R&D技術通報153】

To fix 12V light load abnormal issue



# PWOK PATCH

【技術通報R&D技術通報154】



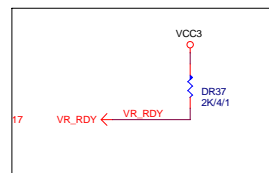
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ATX CONNECTOR

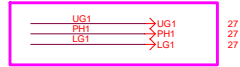
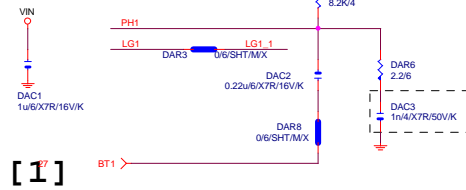
GA-H81M-HD3

Rev 1.06

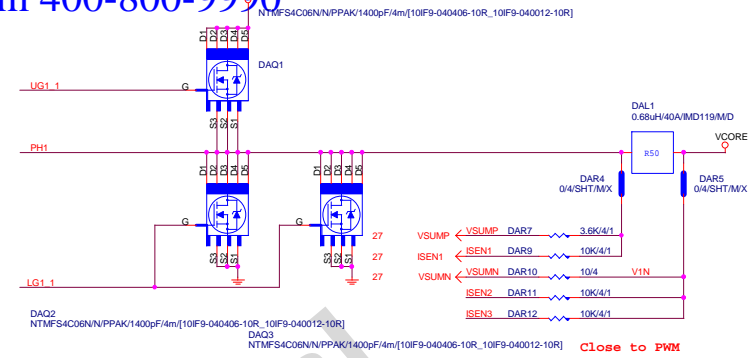
Date: Thursday, July 03, 2014 Sheet 26 of 33



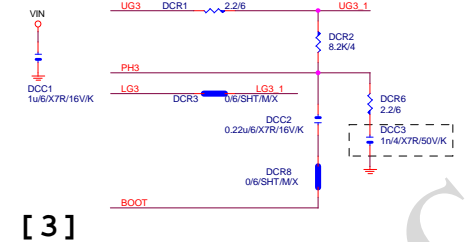
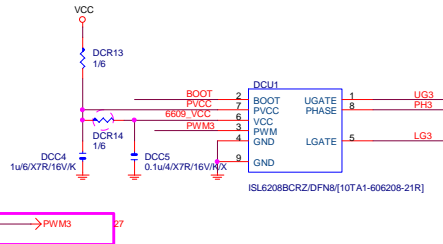
## PHASE 1

27  
27  
27

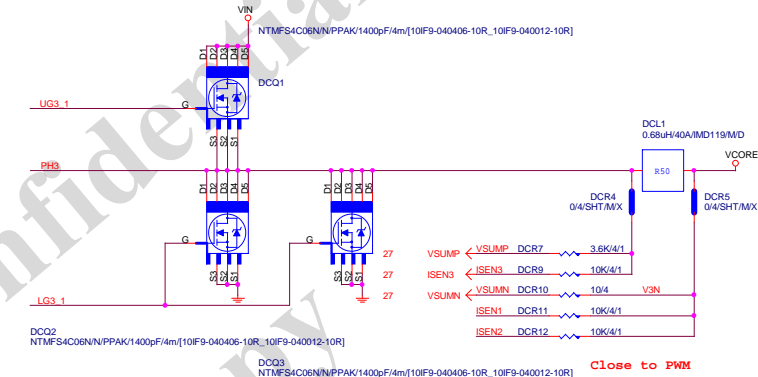
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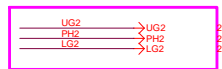
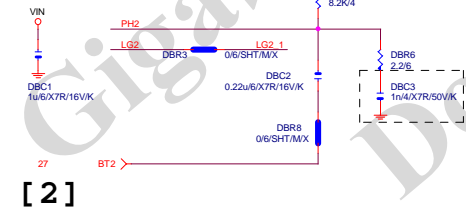
## PHASE 3



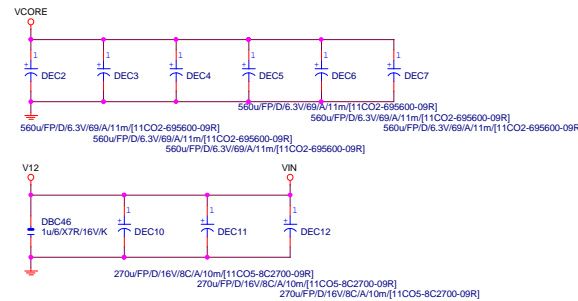
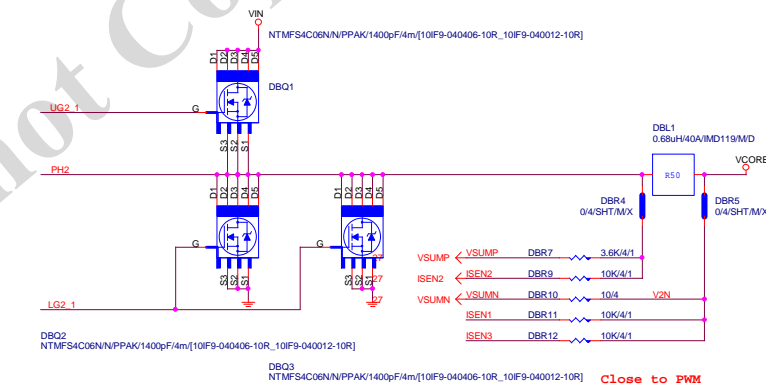
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## PHASE 2

27  
27  
27

[ 2 ]



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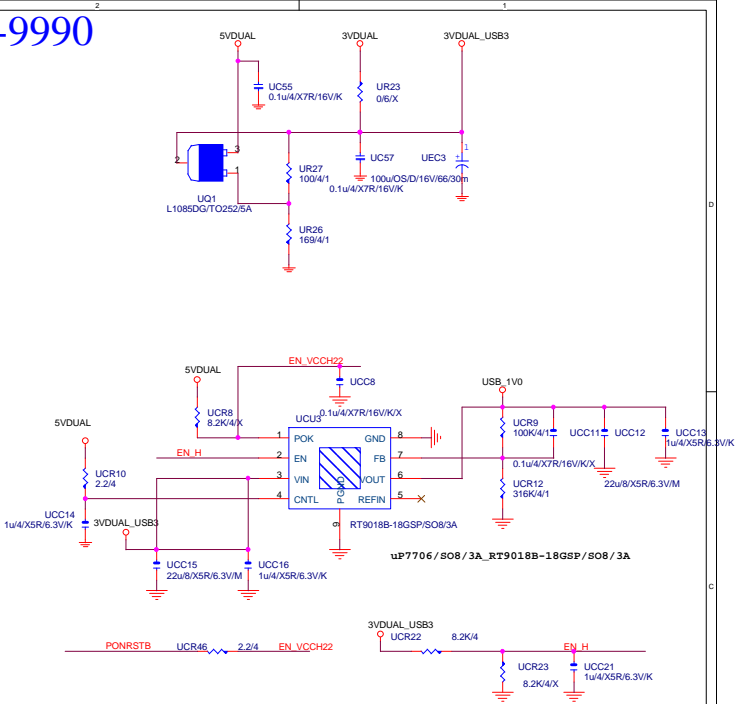
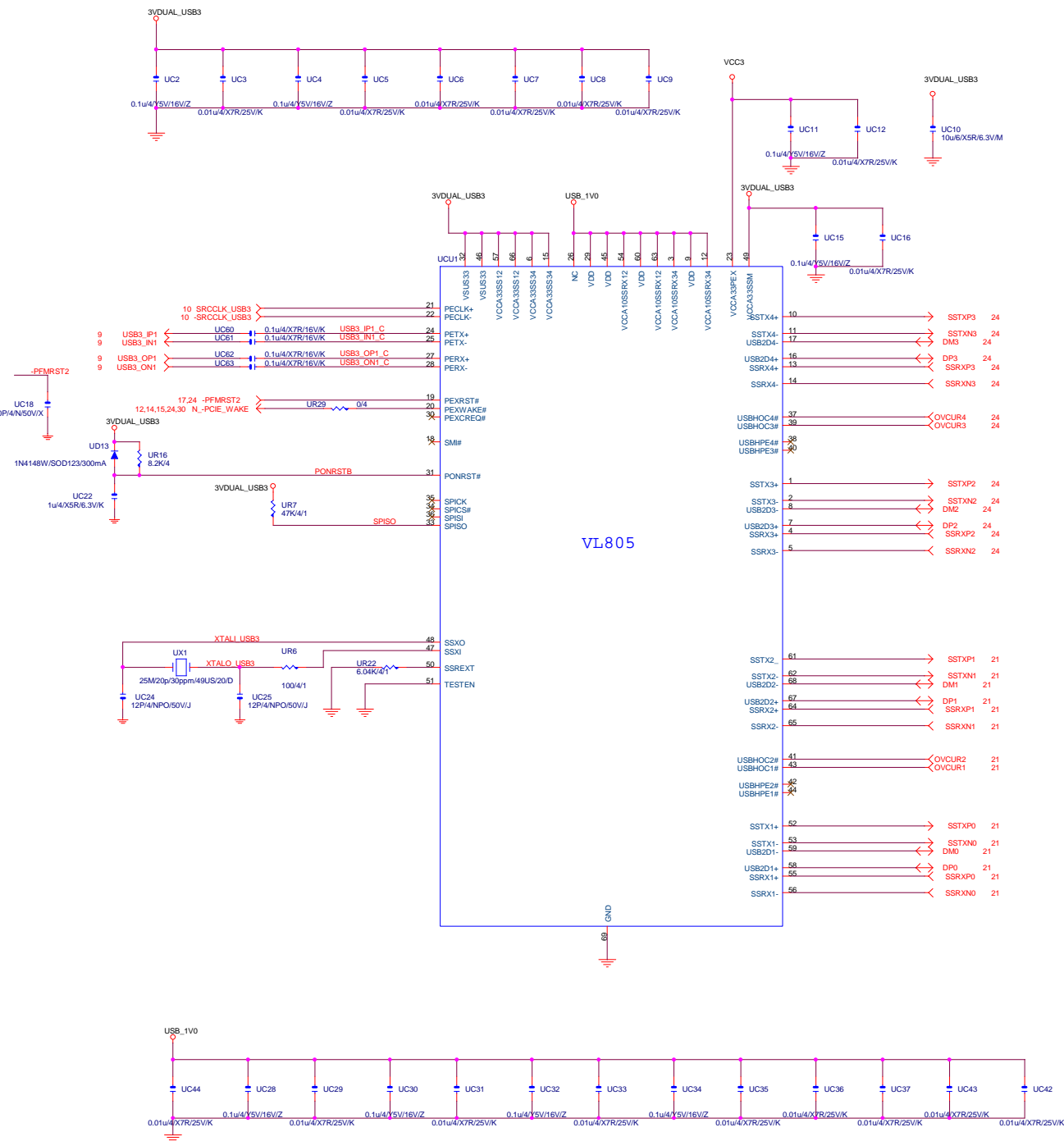
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Size		GA-H81M-HD3	
Date		Thursday, July 03, 2014	
Sheet		28 of 33	

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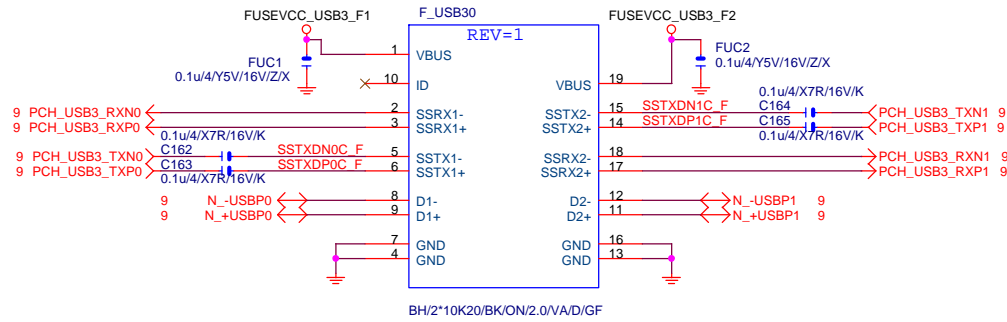
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ITE IT8892E			
Size	Document Number		Rev
Custom	GA-H81M-HD3		1.06
Date:	Thursday, July 03, 2014	Sheet	30 of 33



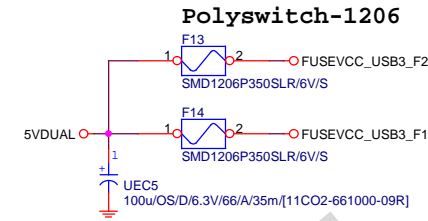


F\_USB30

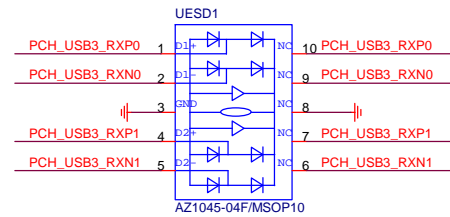
F\_USB30 PWR



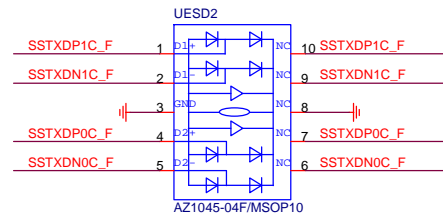
BLACK CONNECTOR



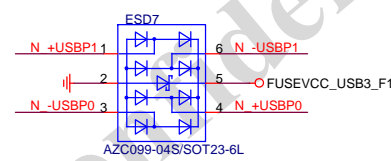
USB3.0 1Port - 1Fuse (3.5A)



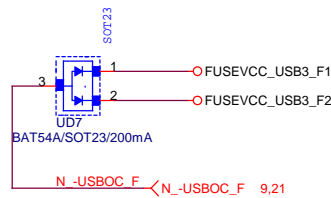
Close to connector



Close to connector



Close to connector



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Title			F USB30
Size B	Document Number	GA-H81M-HD3	
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