

# Model Name: GA-H97M-DS3P

SHEET	TITLE
Revision 1.0	
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 1,2
08	DDR III CHANNEL B 1,2
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*16 SLOT
15	PCI, PCI EXPRESS X1 *2 SLOT
16	ITE 8620 LPC IO
17	COM,KB_MS_USB,USB30_20
18	HWM,FAN CTRL,OV,-PROCHOT
19	DUAL BIOS
20	FP,FUSB,SPK,SATALED
21	Realtek ALC887-VD2
22	REAR AUDIO JACK
23	INTEL I217V
24	DISCRETE POWER
25	ATX
26	VCORE ISL95820_1
27	VCORE ISL95820_2

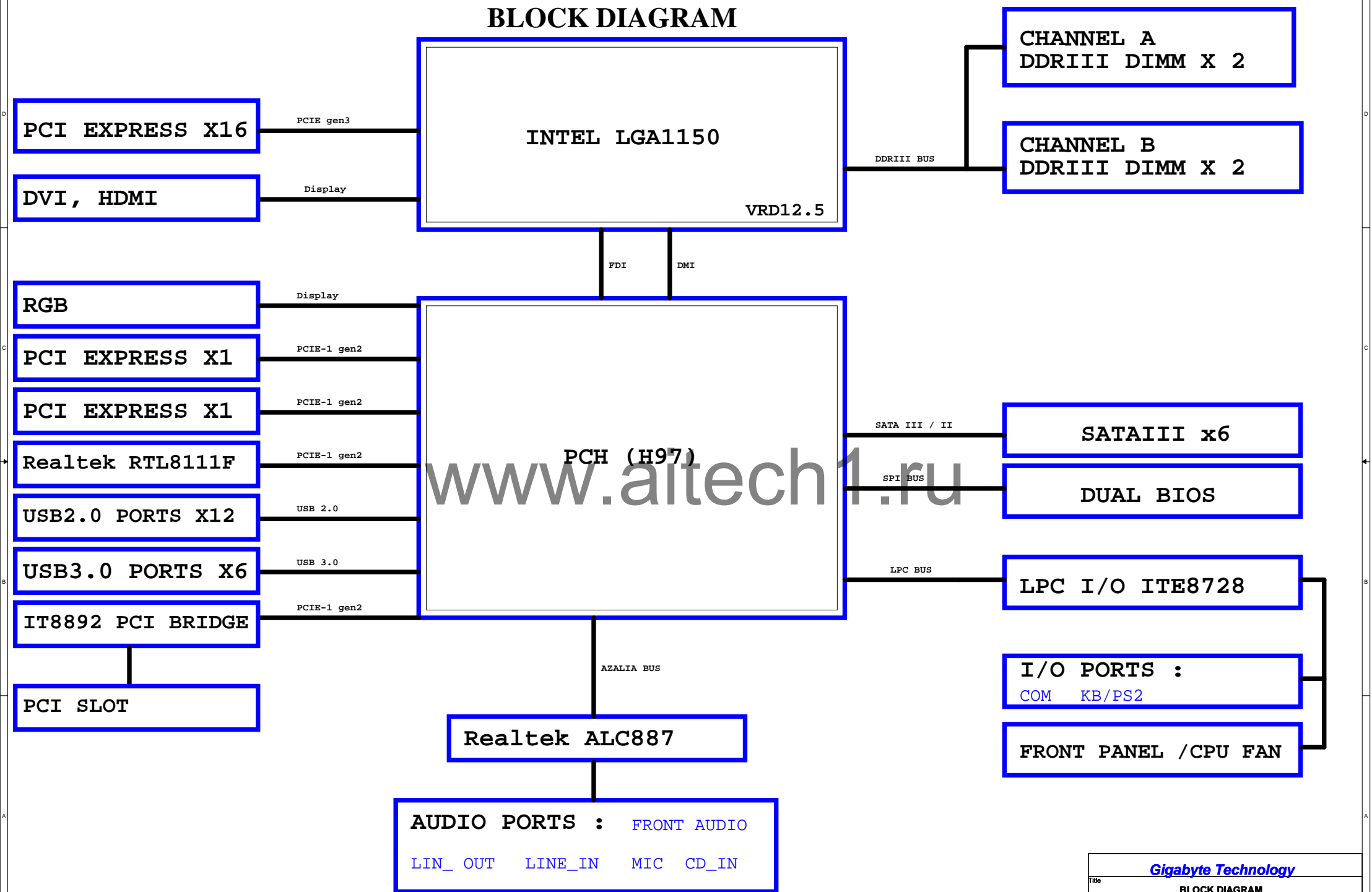
SHEET	TITLE
28	RT8120_DDR POWER
29	LPT, M3 POWER
30	DVI, HDMI
31	IT8892 PCI BRIDGE

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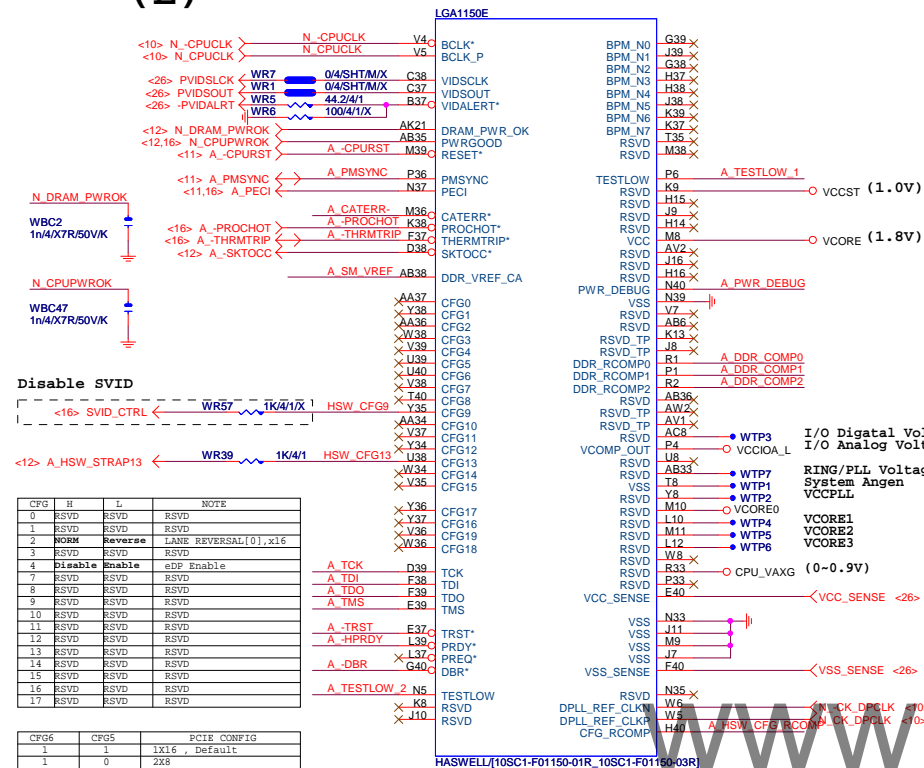
Gigabyte Technology			
Title			
Cover Sheet			
Size	Document Number	GA-H97M-DS3P	Rev
Custom			1.0
Date:	Tuesday, April 22, 2014	Sheet	1 of 31



# BLOCK DIAGRAM



# LGA1150 (E)





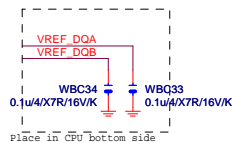
## LGA1150 (A)

LGA1150A									
MAAA0	AU13	DDR0_MA0	DDR0_D00	AD38	MDA0				
MAAA1	AV16	DDR0_MA1	DDR0_D01	AD39	MDA1				
MAAA2	AU16	DDR0_MA2	DDR0_D02	AF38	MDA2				
MAAA3	AW17	DDR0_MA3	DDR0_D03	AF39	MDA3				
MAAA4	AW18	DDR0_MA4	DDR0_D04	AD37	MDA4				
MAAA5	AW18	DDR0_MA5	DDR0_D05	AD40	MDA5				
MAAA6	AV17	DDR0_MA6	DDR0_D06	AE37	MDA6				
MAAA7	AT18	DDR0_MA7	DDR0_D07	AF40	MDA7				
MAAA8	AU18	DDR0_MA8	DDR0_D08	AH40	MDA9				
MAAA9	AT19	DDR0_MA9	DDR0_D09	AH39	MDA10				
MAAA10	AW11	DDR0_MA10	DDR0_D10	AK38	MDA10				
MAAA11	AV19	DDR0_MA11	DDR0_D11	AK39	MDA11				
MAAA12	AU19	DDR0_MA12	DDR0_D12	AH37	MDA12				
MAAA13	AT20	DDR0_MA13	DDR0_D13	AH38	MDA14				
MAAA14	AT20	DDR0_MA14	DDR0_D14	AK37	MDA14				
MAAA15	AU21	DDR0_MA15	DDR0_D15	AK40	MDA15				
		DDR0_MA16	DDR0_D16	AM40	MDA17				
MODT_A0	AW10	DDR0_ODT0	DDR0_ODT0	AM39	MDA21				
MODT_A1	AY8	DDR0_ODT1	DDR0_ODT1	AP38	MDA18				
MODT_A2	AW9	DDR0_ODT2	DDR0_ODT2	AP39	MDA19				
MODT_A3	AU8	DDR0_ODT3	DDR0_ODT3	AM37	MDA20				
			DDR0_ODT3	AM38	MDA16				
			DDR0_ODT3	AP37	MDA22				
			DDR0_ODT3	AP40	MDA23				
			DDR0_ODT3	AV37	MDA25				
			DDR0_ODT3	AW37	MDA29				
			DDR0_ODT3	AU35	MDA28				
			DDR0_ODT3	AV35	MDA27				
			DDR0_ODT3	AT37	MDA28				
			DDR0_ODT3	AU37	MDA24				
			DDR0_ODT3	AT35	MDA30				
			DDR0_ODT3	AW35	MDA31				
			DDR0_ODT3	AY6	MDA33				
			DDR0_ODT3	AU6	MDA37				
			DDR0_ODT3	AV4	MDA34				
			DDR0_ODT3	AW6	MDA36				
			DDR0_ODT3	AW4	MDA38				
			DDR0_ODT3	AY4	MDA39				
			DDR0_ODT3	AR4	MDA45				
			DDR0_ODT3	AN3	MDA42				
			DDR0_ODT3	AN4	MDA43				
			DDR0_ODT3	AR2	MDA44				
			DDR0_ODT3	AR3	MDA40				
			DDR0_ODT3	AN2	MDA46				
			DDR0_ODT3	AN1	MDA47				
			DDR0_ODT3	AL1	MDA49				
			DDR0_ODT3	AL4	MDA53				
			DDR0_ODT3	AJ3	MDA50				
			DDR0_ODT3	AJ4	MDA51				
			DDR0_ODT3	AL2	MDA52				
			DDR0_ODT3	AJ2	MDA48				
			DDR0_ODT3	AJ2	MDA54				
			DDR0_ODT3	AJ1	MDA55				
			DDR0_ODT3	AG1	MDA57				
			DDR0_ODT3	AG4	MDA61				
			DDR0_ODT3	AE3	MDA58				
			DDR0_ODT3	AE4	MDA59				
			DDR0_ODT3	AG2	MDA60				
			DDR0_ODT3	AG3	MDA56				
			DDR0_ODT3	AE2	MDA62				
			DDR0_ODT3	AE1	MDA63				
			DDR0_ODT3	AE39	DQSA0				
			DDR0_ODT3	AJ39	DQSA1				
			DDR0_ODT3	AN39	DQSA2				
			DDR0_ODT3	AV36	DQSA3				
			DDR0_ODT3	AV5	DQSA4				
			DDR0_ODT3	AP3	DQSA5				
			DDR0_ODT3	AK3	DQSA6				
			DDR0_ODT3	AF3	DQSA7				
			DDR0_ODT3	AV32	DQSA8				
			DDR0_ODT3	AE38	DQSA0				
			DDR0_ODT3	AJ38	DQSA1				
			DDR0_ODT3	AN38	DQSA2				
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			DDR0_ODT3	AP2	DQSA5				
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			DDR0_ODT3	AJ32	DQSA8				

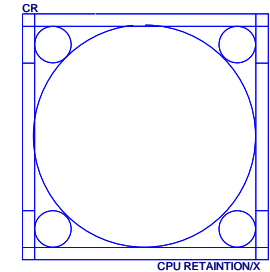
HASWELL[10SC1-F01150-01R\_10SC1-F01150-03R]

## LGA1150 (B)

LGA1150B									
MAAB0	AL19	DDR1_MA0	DDR1_D00	AE34	MDB0				
MAAB1	AK23	DDR1_MA1	DDR1_D01	AE35	MDB1				
MAAB2	AM23	DDR1_MA2	DDR1_D02	AG35	MDB2				
MAAB3	AM23	DDR1_MA3	DDR1_D03	AH35	MDB3				
MAAB4	AP23	DDR1_MA4	DDR1_D04	AD34	MDB4				
MAAB5	AL23	DDR1_MA5	DDR1_D05	AG34	MDB5				
MAAB6	AY25	DDR1_MA6	DDR1_D06	AH34	MDB7				
MAAB7	AY25	DDR1_MA7	DDR1_D07	AL34	MDB8				
MAAB8	AU26	DDR1_MA8	DDR1_D08	AL35	MDB9				
MAAB9	AV25	DDR1_MA9	DDR1_D09	AL31	MDB10				
MAAB10	AP18	DDR1_MA10	DDR1_D10	AK31	MDB11				
MAAB11	AY25	DDR1_MA11	DDR1_D11	AK34	MDB12				
MAAB12	AY26	DDR1_MA12	DDR1_D12	AK35	MDB13				
MAAB13	AR15	DDR1_MA13	DDR1_D13	AK32	MDB14				
MAAB14	AV27	DDR1_MA14	DDR1_D14	AL32	MDB15				
MAAB15	AY28	DDR1_MA15	DDR1_D15	AL34	MDB17				
		DDR1_ODT0	DDR1_ODT0	AP34	MDB21				
		DDR1_ODT1	DDR1_ODT1	AP31	MDB23				
		DDR1_ODT2	DDR1_ODT2	AP35	MDB20				
		DDR1_ODT3	DDR1_ODT3	AP35	MDB16				
			DDR1_ODT3	AK32	MDB18				
			DDR1_ODT3	AP32	MDB22				
			DDR1_ODT3	AM29	MDB25				
			DDR1_ODT3	AM28	MDB28				
			DDR1_ODT3	AR29	MDB27				
			DDR1_ODT3	AR28	MDB30				
			DDR1_ODT3	AL28	MDB24				
			DDR1_ODT3	AL28	MDB29				
			DDR1_ODT3	AP29	MDB26				
			DDR1_ODT3	AP28	MDB31				
			DDR1_ODT3	AR12	MDB32				
			DDR1_ODT3	AP12	MDB33				
			DDR1_ODT3	AL13	MDB34				
			DDR1_ODT3	AL12	MDB35				
			DDR1_ODT3	AR13	MDB36				
			DDR1_ODT3	AM13	MDB38				
			DDR1_ODT3	AM12	MDB39				
			DDR1_ODT3	AR9	MDB45				
			DDR1_ODT3	AP9	MDB41				
			DDR1_ODT3	AR6	MDB47				
			DDR1_ODT3	AP6	MDB43				
			DDR1_ODT3	AR10	MDB44				
			DDR1_ODT3	AR10	MDB40				
			DDR1_ODT3	AR7	MDB46				
			DDR1_ODT3	AP7	MDB42				
			DDR1_ODT3	AM9	MDB52				
			DDR1_ODT3	AL9	MDB53				
			DDR1_ODT3	AL6	MDB50				
			DDR1_ODT3	AL7	MDB55				
			DDR1_ODT3	AM10	MDB48				
			DDR1_ODT3	AL10	MDB49				
			DDR1_ODT3	AM6	MDB54				
			DDR1_ODT3	AM7	MDB51				
			DDR1_ODT3	AH6	MDB61				
			DDR1_ODT3	AH7	MDB60				
			DDR1_ODT3	AE6	MDB59				
			DDR1_ODT3	AE7	MDB63				
			DDR1_ODT3	AJ6	MDB56				
			DDR1_ODT3	AJ7	MDB57				
			DDR1_ODT3	AF6	MDB58				
			DDR1_ODT3	AF7	MDB62				
			DDR1_ODT3	AF36	DQSB0				
			DDR1_ODT3	AL33	DQSB1				
			DDR1_ODT3	AP33	DQSB2				
			DDR1_ODT3	AN28	DQSB3				
			DDR1_ODT3	AN12	DQSB4				
			DDR1_ODT3	AP8	DQSB5				
			DDR1_ODT3	AL8	DQSB6				
			DDR1_ODT3	AG7	DQSB7				
			DDR1_ODT3	AN25	DQSB8				
			DDR1_ODT3	AK33	DQSB1				
			DDR1_ODT3	AN33	DQSB2				
			DDR1_ODT3	AN29	DQSB3				
			DDR1_ODT3	AN13	DQSB4				
			DDR1_ODT3	AR8	DQSB5				
			DDR1_ODT3	AM8	DQSB6				
			DDR1_ODT3	AG6	DQSB7				
			DDR1_ODT3	AN26	DQSB8				



## LGA1150 (CR)



LGA1150



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

## DDR BUS

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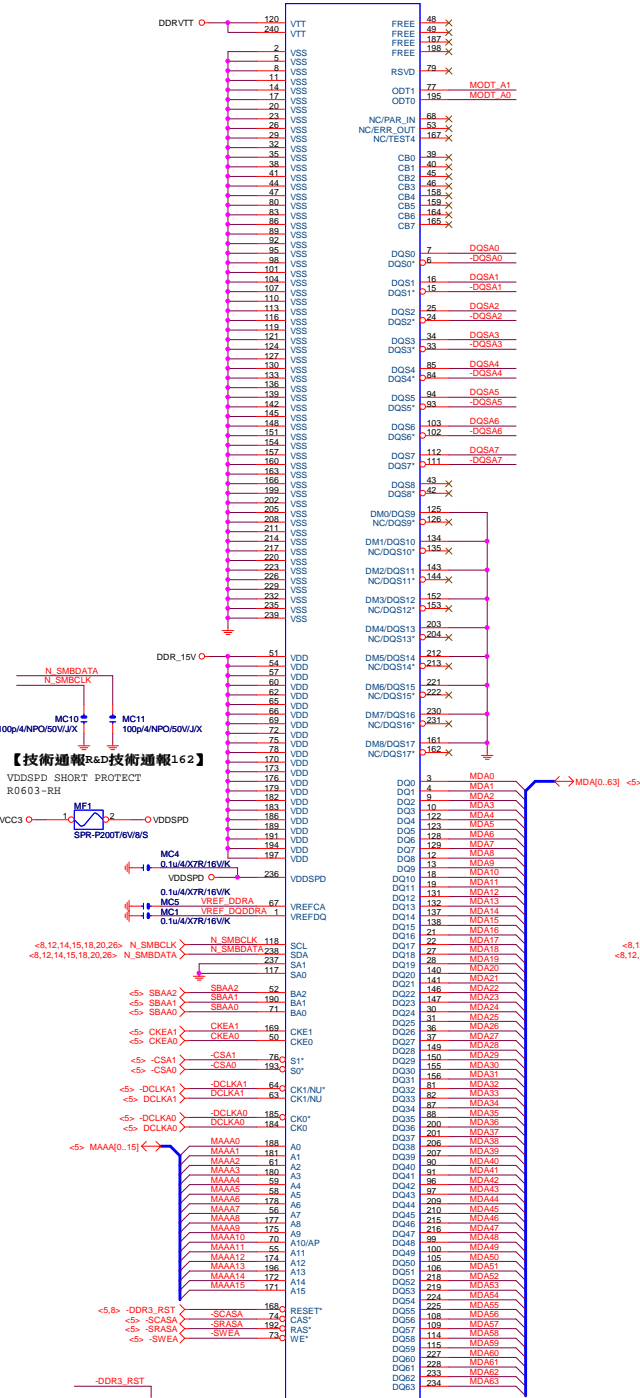
Gigabyte Technology

Title				CPU LGA1150-B	
Size				GA-H97M-DS3P	
Date				Rev 1.0	
Tuesday, April 22, 2014				Sheet 5 of 31	



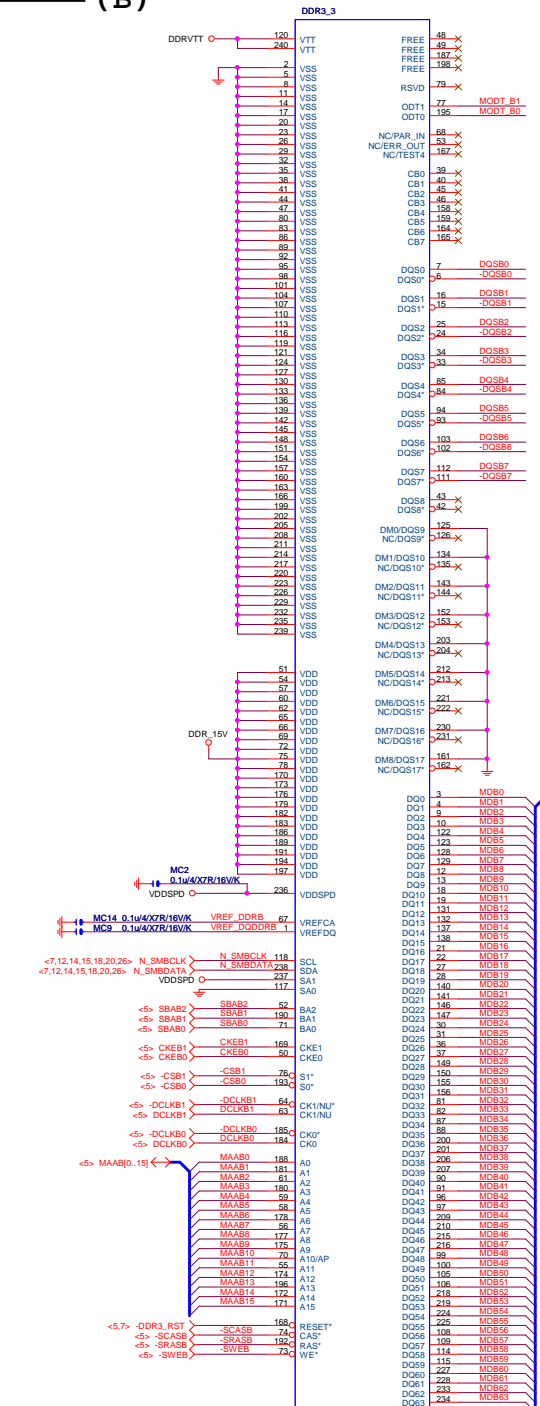
DDR3

(A)

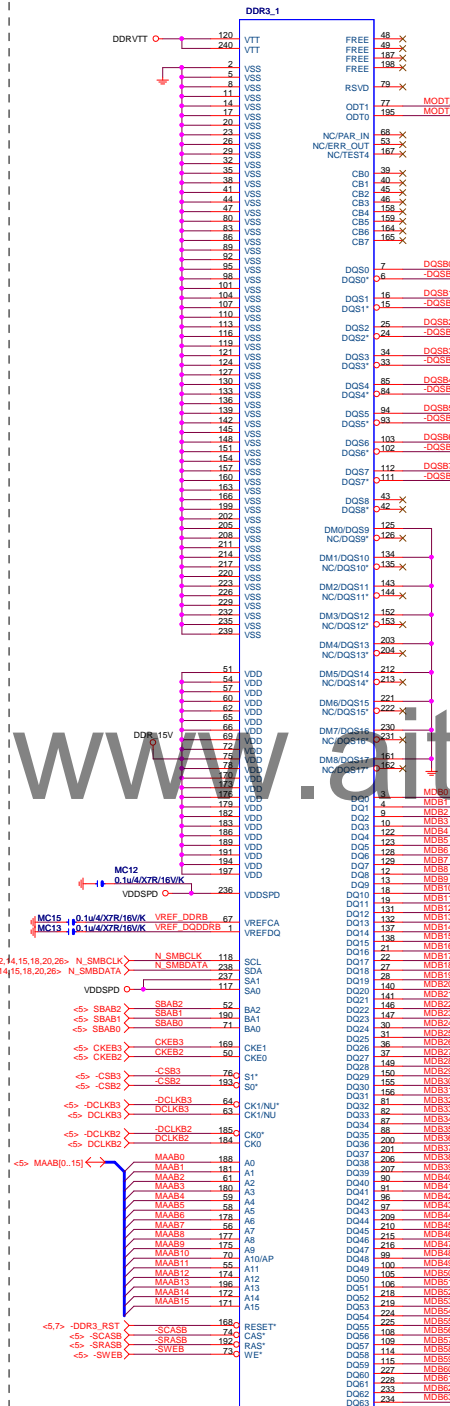
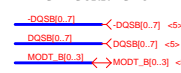


DDR3

(B)



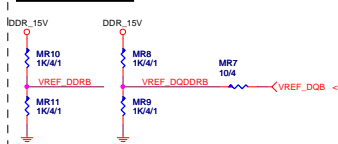
DDR3240/BK/VA/DI[11SM1-511240-W2R]  
BLACK CONNECTOR



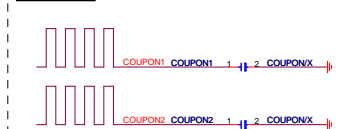
DDR3240/GR/VA/DI[11SM1-511240-W2R]  
GRAY CONNECTOR



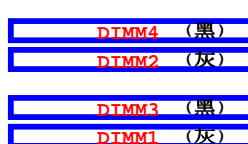
DDR3 VREF



COUPON



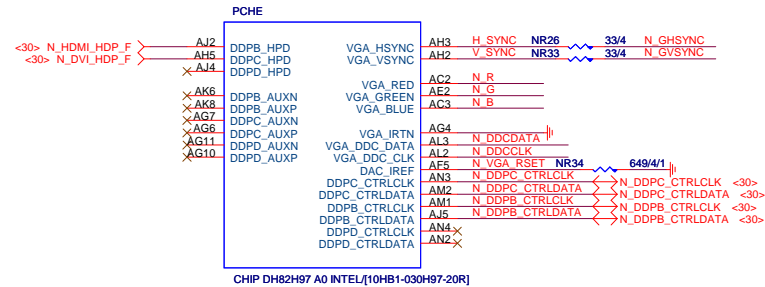
CPU



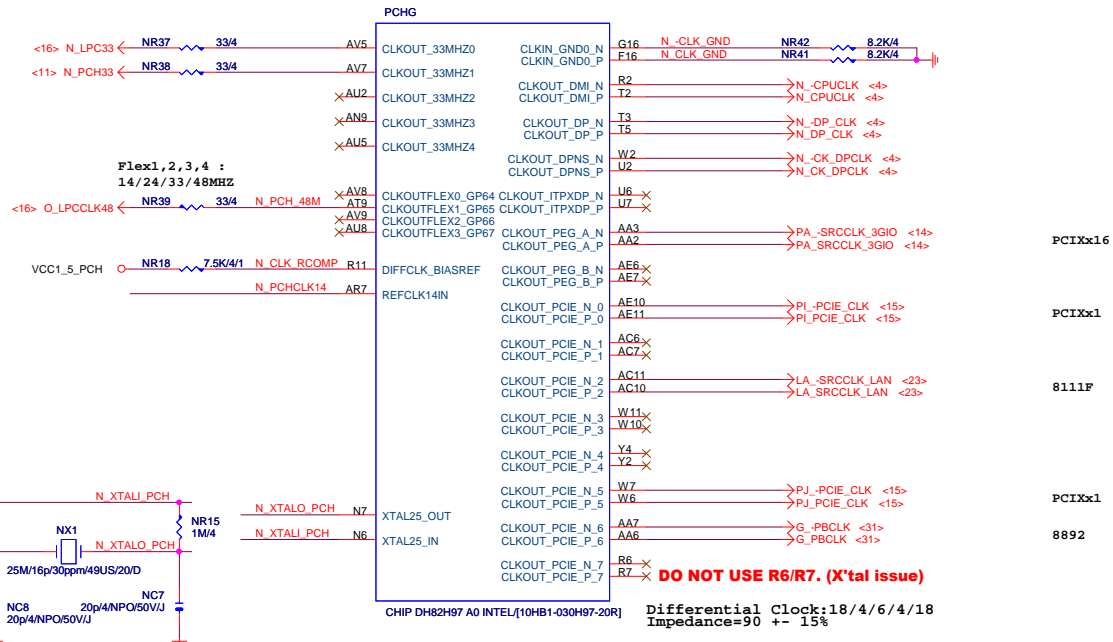




# PCH (E)



# PCH (G)

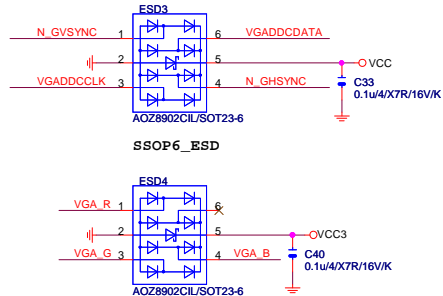


## PCH CLK PD

Mount for integrated clock Generation Mode

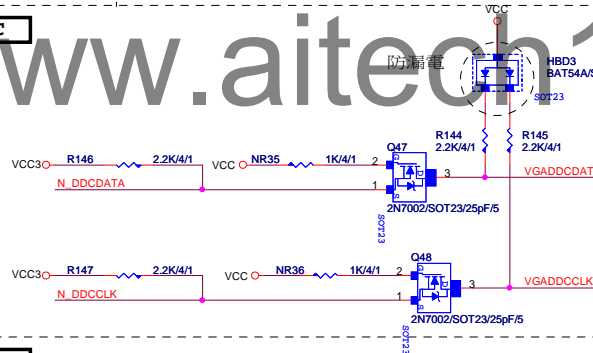
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## VGA ESD

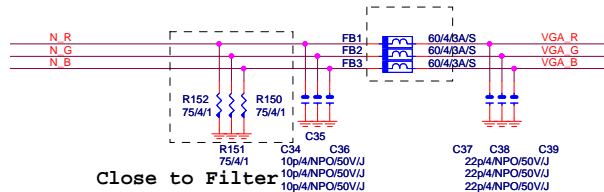


## VGA DDC

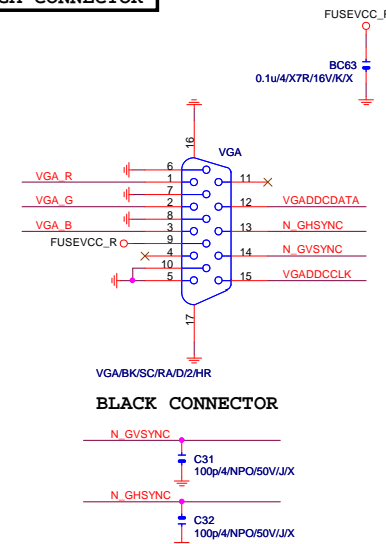
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## VGA DDC



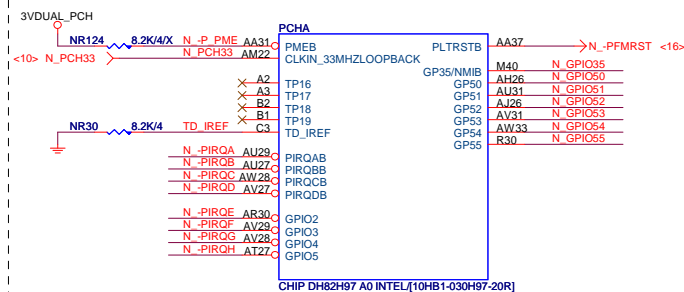
## VGA CONNECTOR



Gigabyte Technology

Title			PCH DISPLAY ,CLK BUFFER
Size	Document Number	GA-H97M-DS3P	
Custom			Rev 1.0
Date:	Tuesday, April 22, 2014	Sheet	10 of 31

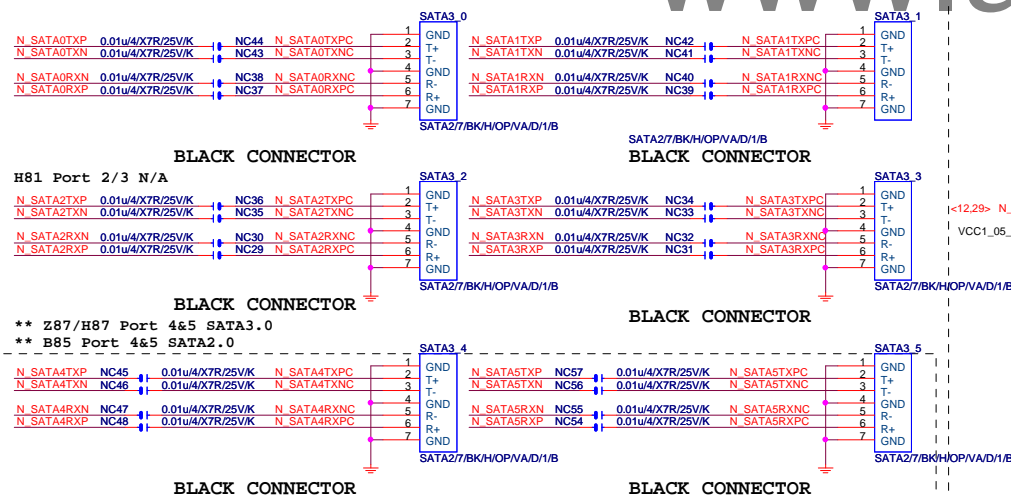
SATA3 : 20/7.5/4.5/7.5/20 (breakout min 8/4/4/4/8)  
Impedance=90 +- 17.5%  
SATA2 : 15/7.5/4.5/7.5/15 (breakout min 8/4/4/4/8)  
Impedance=90 +- 17.5%



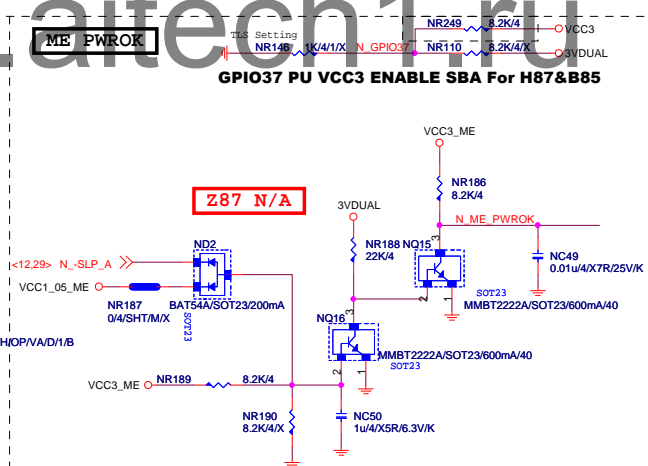
CK\_SRCCLK SATA NR174 8.2K/4  
CK\_SRCCLK SATA NR173 8.2K/4

Mount for integrated clock Generation Mode

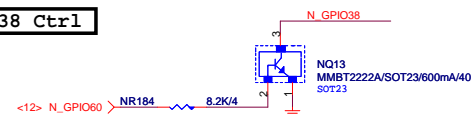
N SATA0TXP	0.01u/4/X7R/25V/K
N SATA0TXN	0.01u/4/X7R/25V/K
N SATA0RXN	0.01u/4/X7R/25V/K
N SATA0RXP	0.01u/4/X7R/25V/K



**GPIO37 PU VCC3 ENABLE SBA For H87&B85**



GPIO38 Ctrl



(D)



## ACZ\_SDOUT



## PCH\_DPWROK



PCH	PU/PD
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## HSW\_STRAP13



32.768KHZ



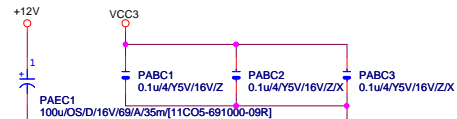
CLR_CMOS
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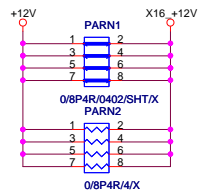




# PCIEX16 CAP



# PCIEX16 PROTECT SHT

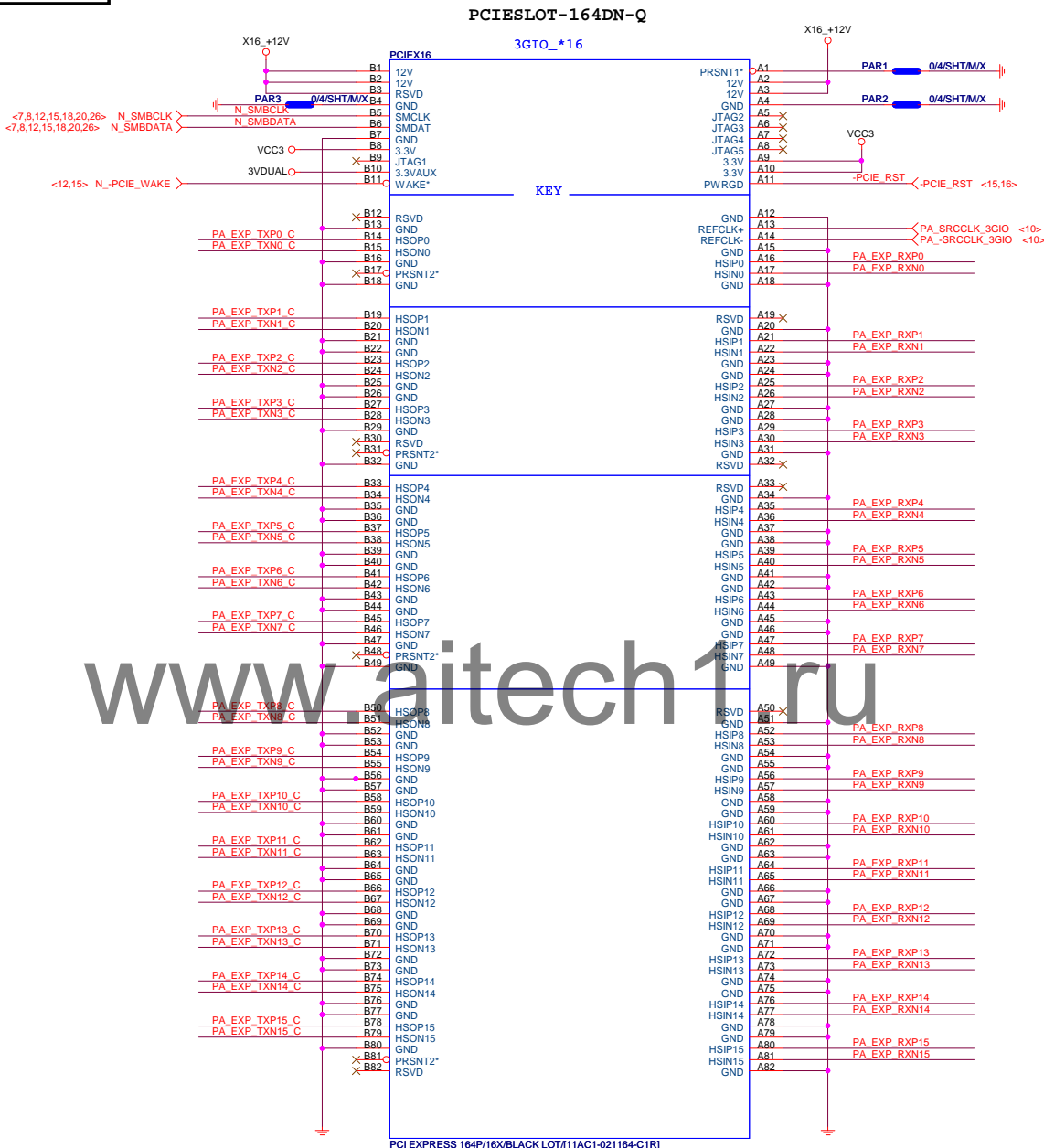


# PCIEX16 AC CAP

PA EXP TXP0	PAC5	0.22u/4/X5R6.3V/K	PA EXP TXP0 C
PA EXP TXN0	PAC4	0.22u/4/X5R6.3V/K	PA EXP TXN0 C
PA EXP TXP1	PAC6	0.22u/4/X5R6.3V/K	PA EXP TXP1 C
PA EXP TXN1	PAC7	0.22u/4/X5R6.3V/K	PA EXP TXN1 C
PA EXP TXP2	PAC8	0.22u/4/X5R6.3V/K	PA EXP TXP2 C
PA EXP TXN2	PAC9	0.22u/4/X5R6.3V/K	PA EXP TXN2 C
PA EXP TXP3	PAC10	0.22u/4/X5R6.3V/K	PA EXP TXP3 C
PA EXP TXN3	PAC11	0.22u/4/X5R6.3V/K	PA EXP TXN3 C
PA EXP TXP4	PAC12	0.22u/4/X5R6.3V/K	PA EXP TXP4 C
PA EXP TXN4	PAC13	0.22u/4/X5R6.3V/K	PA EXP TXN4 C
PA EXP TXP5	PAC14	0.22u/4/X5R6.3V/K	PA EXP TXP5 C
PA EXP TXN5	PAC15	0.22u/4/X5R6.3V/K	PA EXP TXN5 C
PA EXP TXP6	PAC16	0.22u/4/X5R6.3V/K	PA EXP TXP6 C
PA EXP TXN6	PAC17	0.22u/4/X5R6.3V/K	PA EXP TXN6 C
PA EXP TXP7	PAC19	0.22u/4/X5R6.3V/K	PA EXP TXP7 C
PA EXP TXN7	PAC18	0.22u/4/X5R6.3V/K	PA EXP TXN7 C
PA EXP TXP8	PAC20	0.22u/4/X5R6.3V/K	PA EXP TXP8 C
PA EXP TXN8	PAC21	0.22u/4/X5R6.3V/K	PA EXP TXN8 C
PA EXP TXP9	PAC22	0.22u/4/X5R6.3V/K	PA EXP TXP9 C
PA EXP TXN9	PAC23	0.22u/4/X5R6.3V/K	PA EXP TXN9 C
PA EXP TXP10	PAC24	0.22u/4/X5R6.3V/K	PA EXP TXP10 C
PA EXP TXN10	PAC25	0.22u/4/X5R6.3V/K	PA EXP TXN10 C
PA EXP TXP11	PAC26	0.22u/4/X5R6.3V/K	PA EXP TXP11 C
PA EXP TXN11	PAC27	0.22u/4/X5R6.3V/K	PA EXP TXN11 C
PA EXP TXP12	PAC28	0.22u/4/X5R6.3V/K	PA EXP TXP12 C
PA EXP TXN12	PAC29	0.22u/4/X5R6.3V/K	PA EXP TXN12 C
PA EXP TXP13	PAC30	0.22u/4/X5R6.3V/K	PA EXP TXP13 C
PA EXP TXN13	PAC31	0.22u/4/X5R6.3V/K	PA EXP TXN13 C
PA EXP TXP14	PAC32	0.22u/4/X5R6.3V/K	PA EXP TXP14 C
PA EXP TXN14	PAC33	0.22u/4/X5R6.3V/K	PA EXP TXN14 C
PA EXP TXP15	PAC34	0.22u/4/X5R6.3V/K	PA EXP TXP15 C
PA EXP TXN15	PAC35	0.22u/4/X5R6.3V/K	PA EXP TXN15 C

PA EXP RXP[0..15] >>>PA\_EXP\_RXP[0..15] <4>  
 PA EXP RXN[0..15] >>>PA\_EXP\_RXN[0..15] <4>  
 PA EXP TXP[0..15] >>>PA\_EXP\_TXP[0..15] <4>  
 PA EXP TXN[0..15] >>>PA\_EXP\_TXN[0..15] <4>

# PCIEX16 SLOT



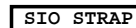
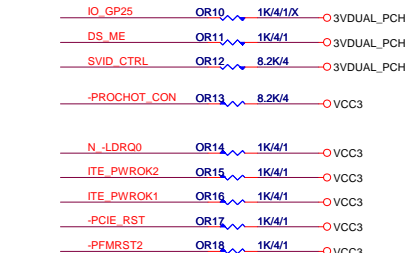
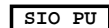
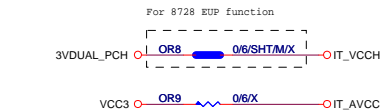
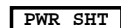
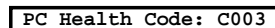
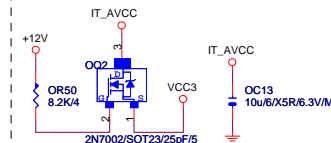
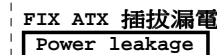
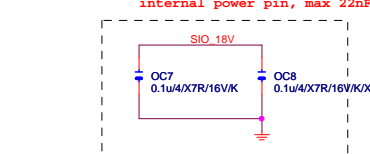
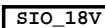
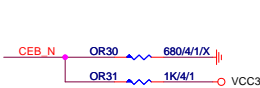
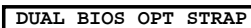
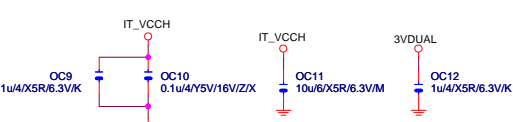
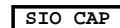
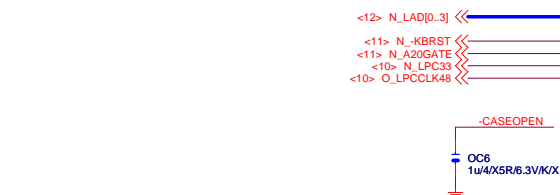
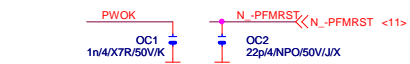
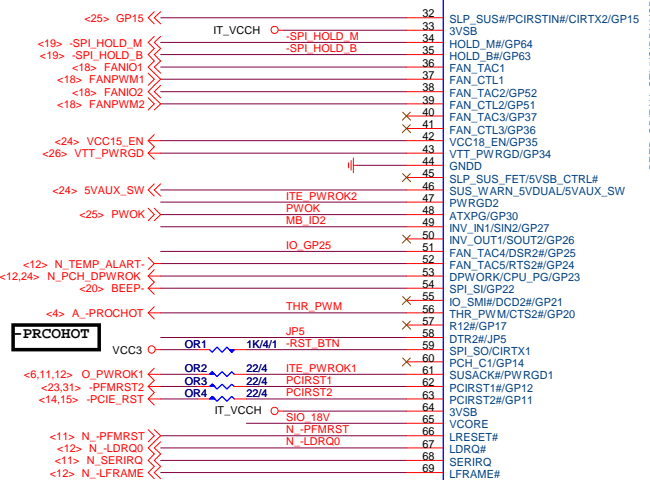
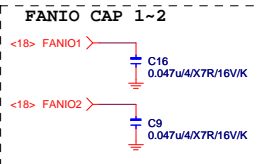
PCI EXPRESS 164P/16X/BLACK LOT[11AC1-021164-C1R]

BLACK CONNECTOR

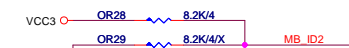
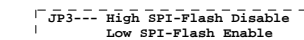
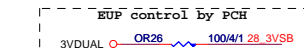
<b>Gigabyte Technology</b>		
Title <b>PCI EXPRESS * 16</b>		
Size Custom	Document Number <b>GA-H97M-DS3P</b>	Rev <b>1.0</b>
Date: Tuesday, April 22, 2014	Sheet 14	of 31



## SIO IT8620

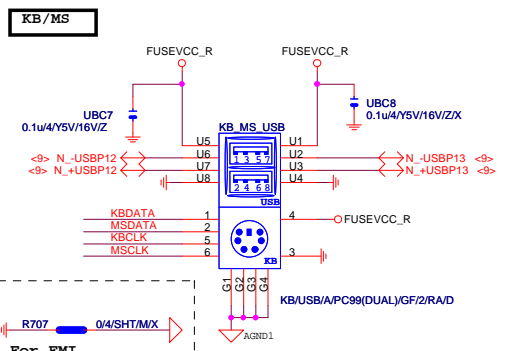
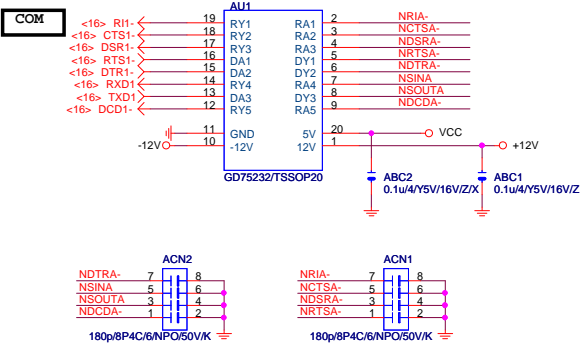


H61M-S2 1.1 JP6 stuff  
pull down

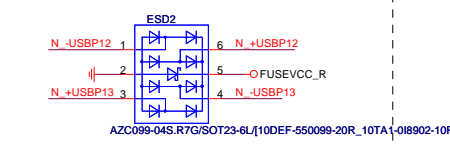


## Gigabyte Technology

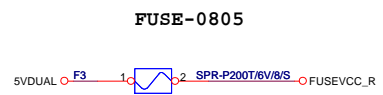
Title				ITE 8728 LPC IO				Rev	
Size		Document Number		GA-H97M-DS3P				Rev	
Custom								1.	
Date: Tuesday, April 22, 2014				Sheet		16		of 31	



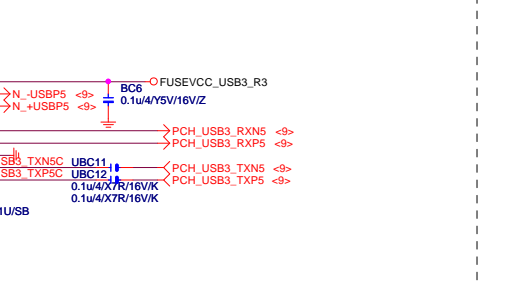
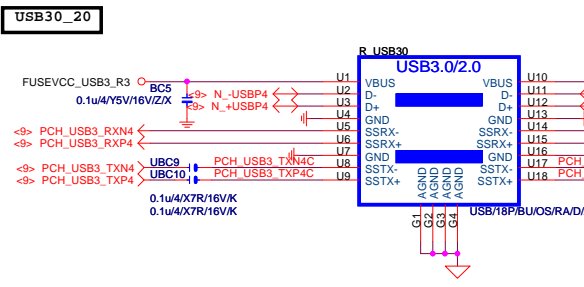
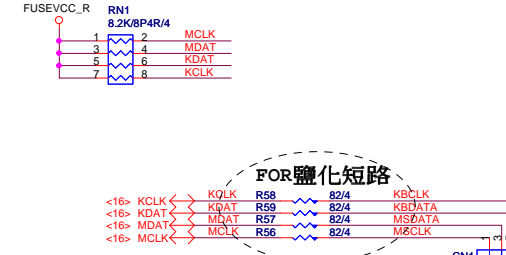
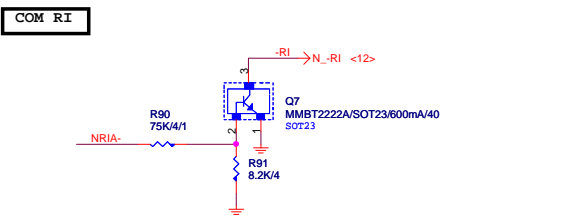
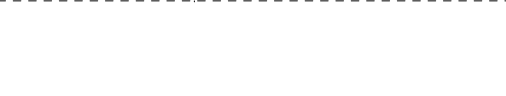
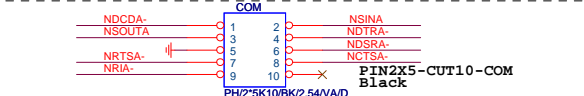
**USB2.0 ESD**



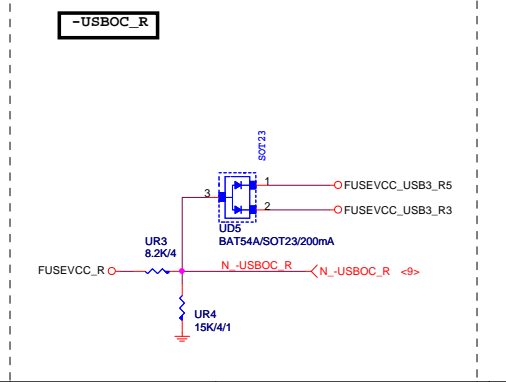
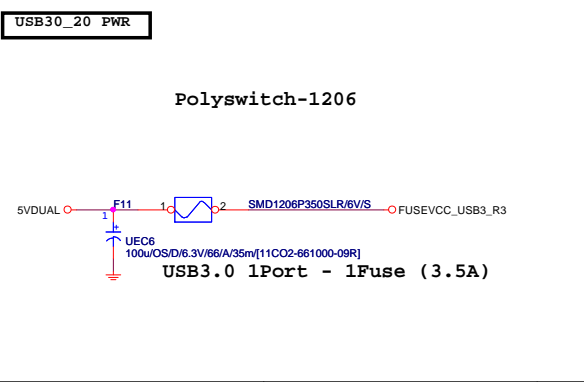
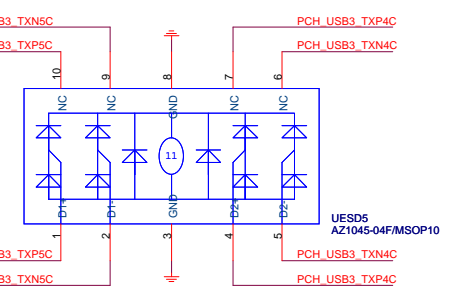
**USB2.0 PWR**



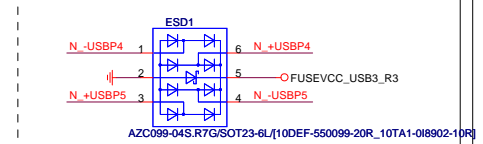
Close to connector  
KB\_MS\_USB 2-Port 2.0A



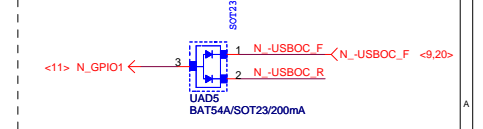
**USB30\_20 ESD PROTECT**



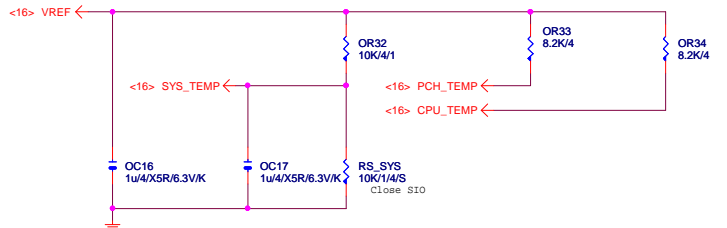
**USB2.0 ESD**



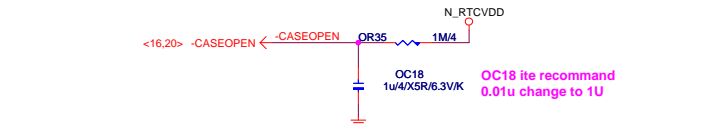
**USB POWER PROTECT**



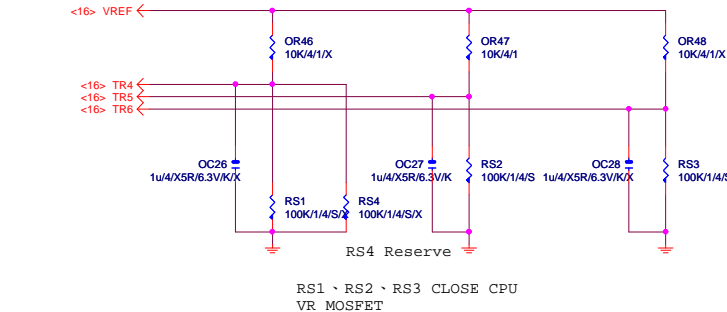
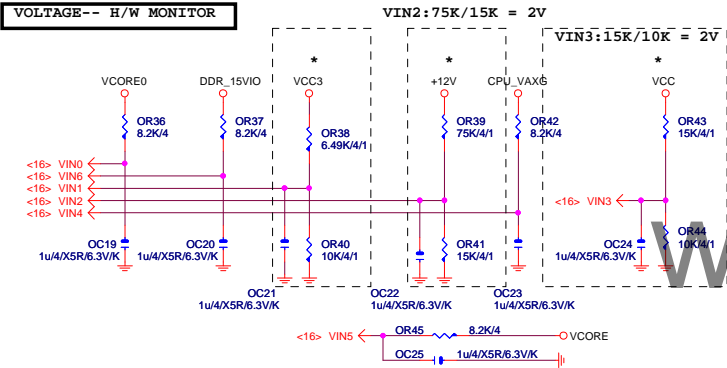
# TEMP H/W MONITOR



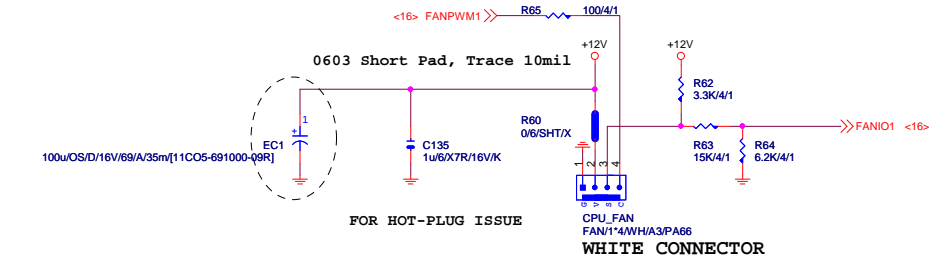
# CASE OPEN



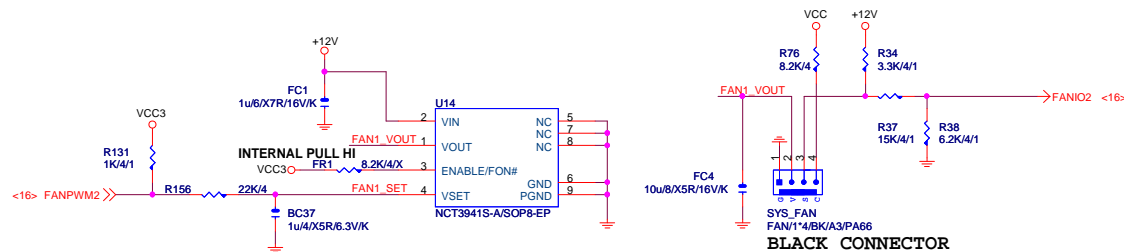
# VOLTAGE-- H/W MONITOR



# CPU SMART FAN

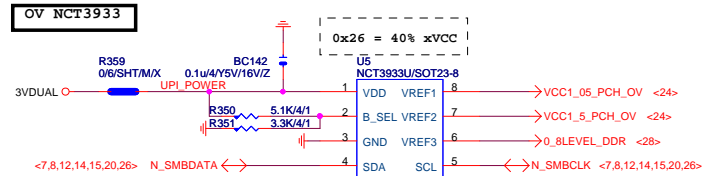


# SYS SMART FAN



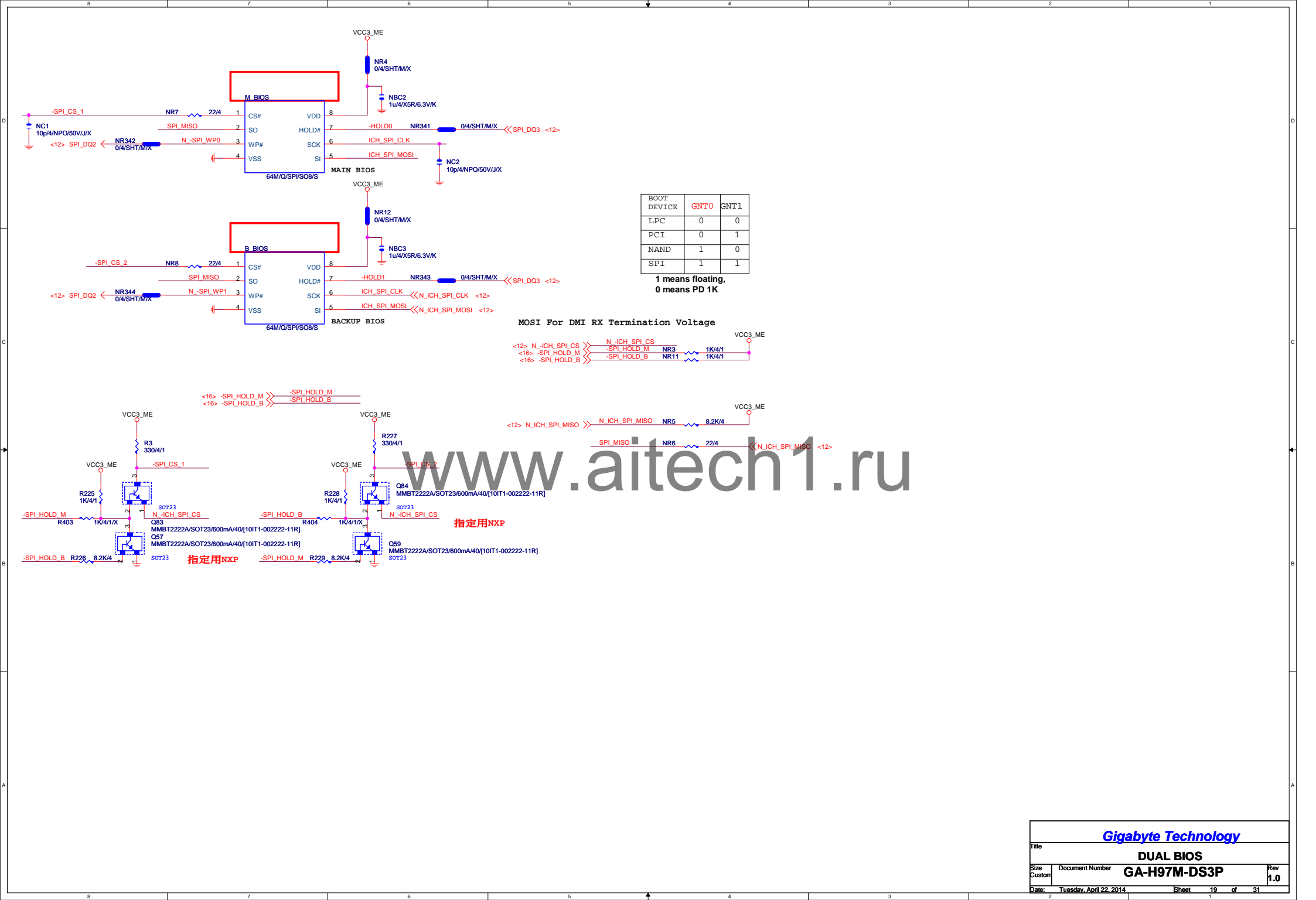
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# 接pwm feedback pin



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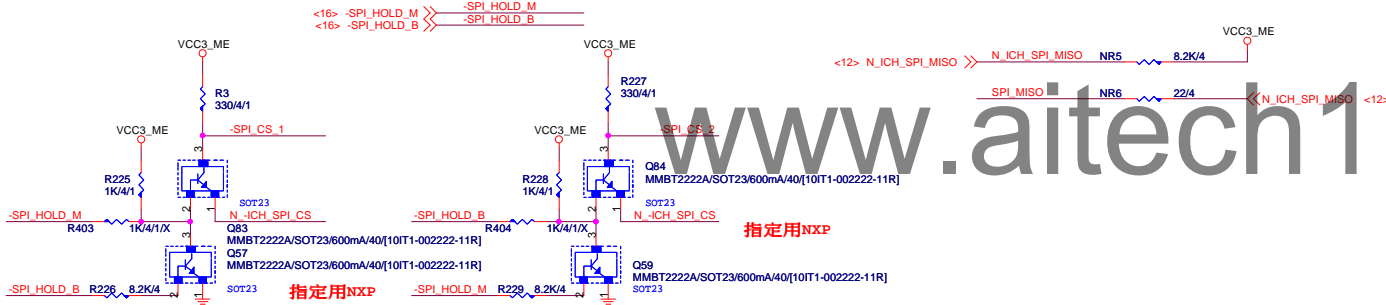
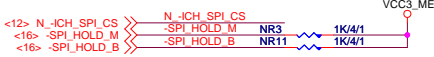
Title			
HWM,FAN CTRL,OV			
Size	Document Number		Rev
Custom	GA-H97M-DS3P		1.0
Date: Tuesday, April 22, 2014		Sheet 18 of 31	



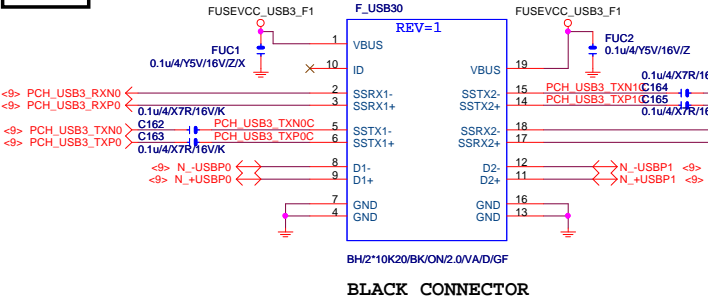
BOOT DEVICE	GNT0	GNT1
LPC	0	0
PCI	0	1
NAND	1	0
SPI	1	1

1 means floating,  
0 means PD 1K

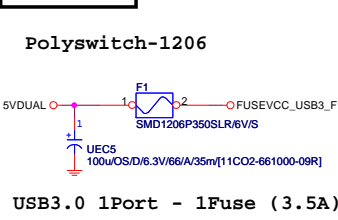
MOSI For DMI RX Termination Voltage



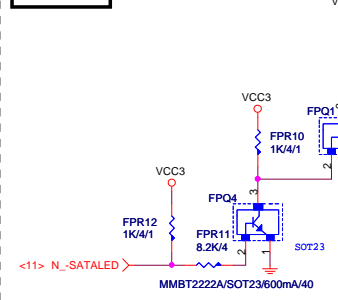
# F\_USB30



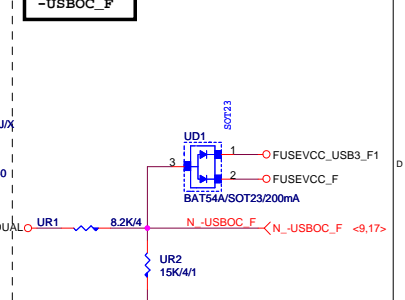
# F\_USB30 PWR



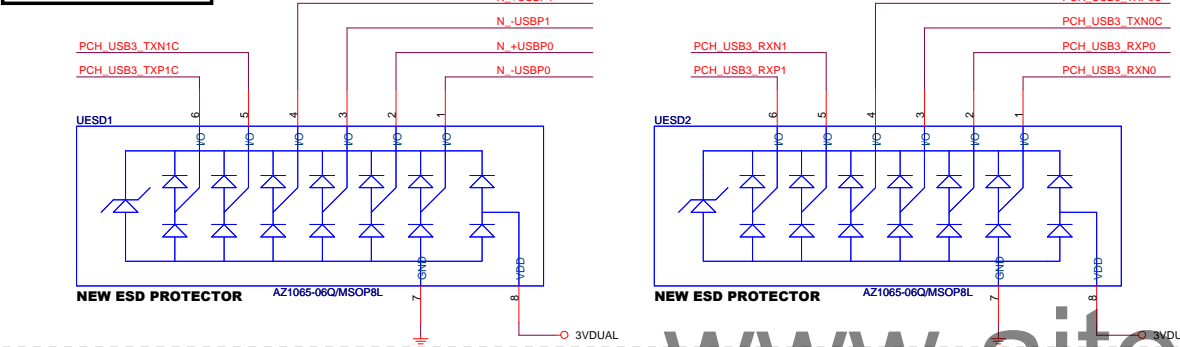
# SATA LED



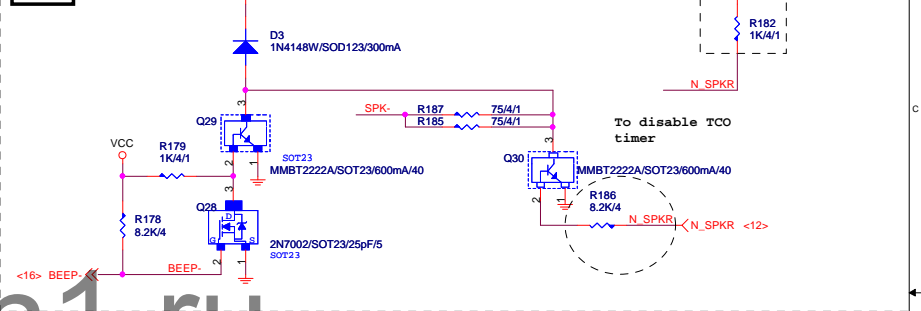
# ~USBOC\_F



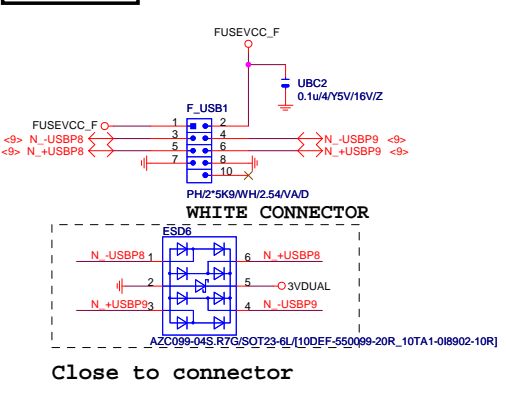
# F\_USB30 ESD PROTECT



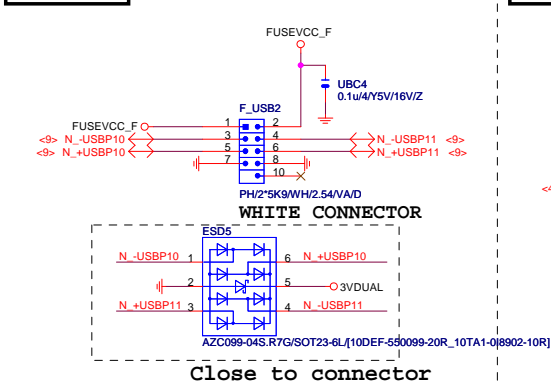
# SPKR



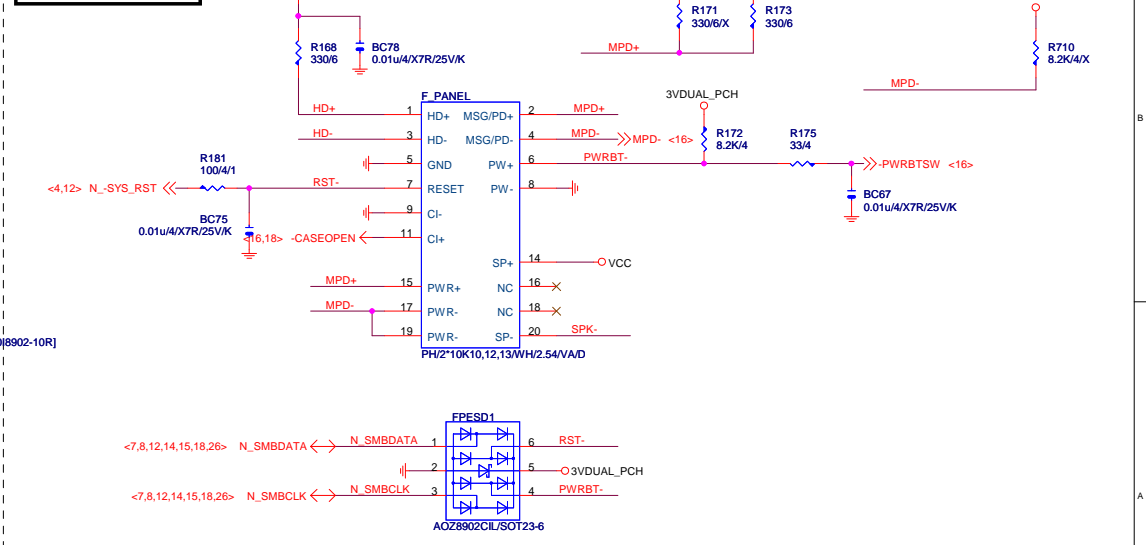
# FRONT USB1



# FRONT USB2

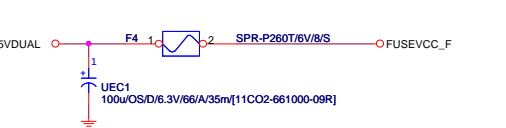


# INTEL FRONT PANEL



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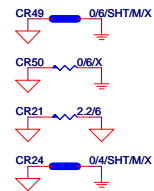
**FUSE-0805**  
**F\_USB1, F\_USB2, 4-Port 2.6A**



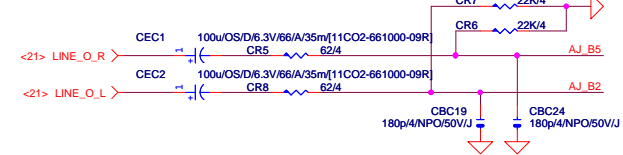
Gigabyte Technology			
Title	FP,F_USB,USB PWR,SPKR,SATA LED		
Size Custom	Document Number	GA-H97M-DS3P	
Date:	Tuesday, April 22, 2014	Sheet	20 of 31
Rev	1.0		







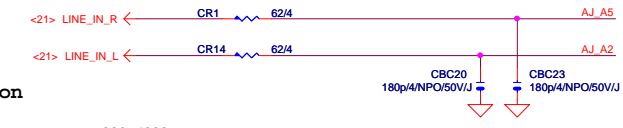
## LINE-OUT



## LINE-IN

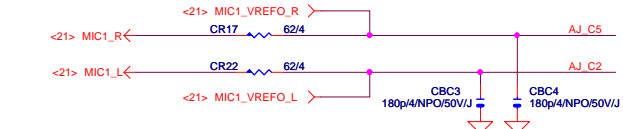
Verify MIC function  
in LINE-in

Only reserved for ALC888



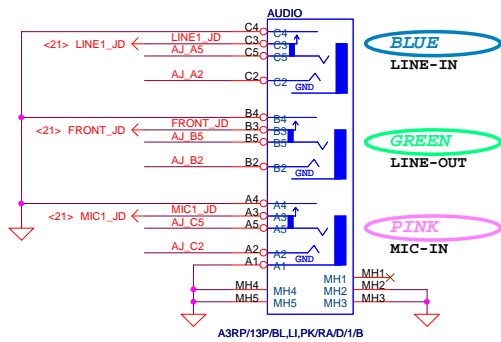
For 889A/888

## MIC-IN

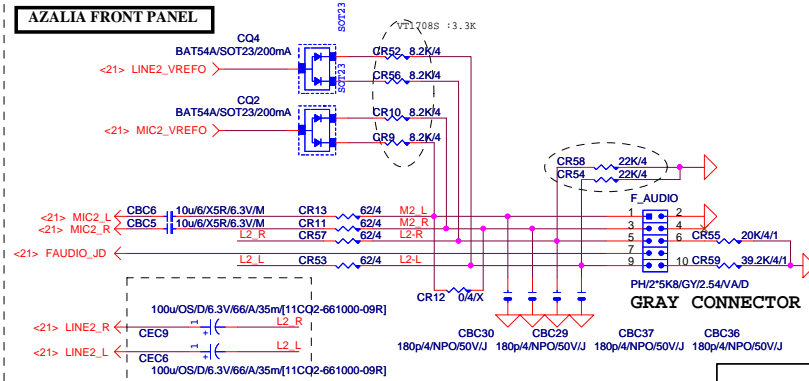


## SPDIF\_OUT

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## AZALIA FRONT PANEL

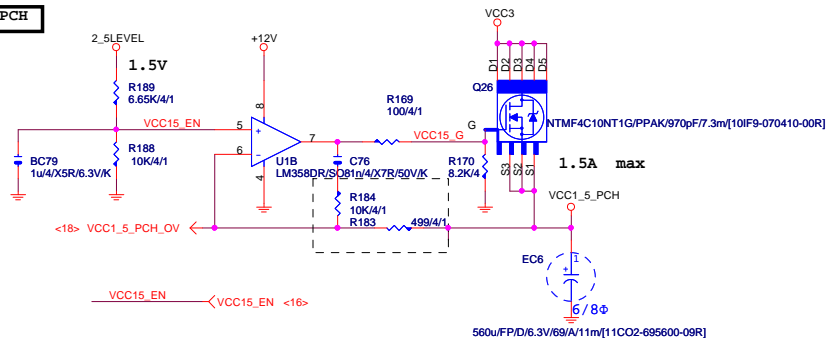


Gigabyte Technology

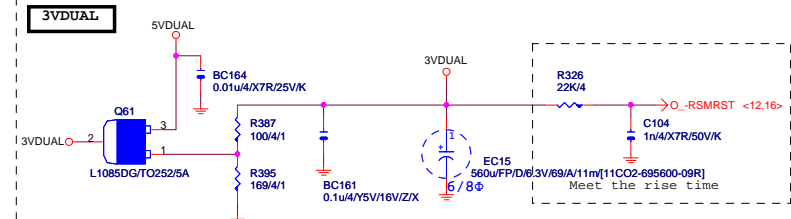
Title			
AUDIO JACK			
GA-H97M-DS3P			
Size Custom	Document Number	Rev 1.0	
Date: Tuesday, April 22, 2014	Sheet 22	of 31	



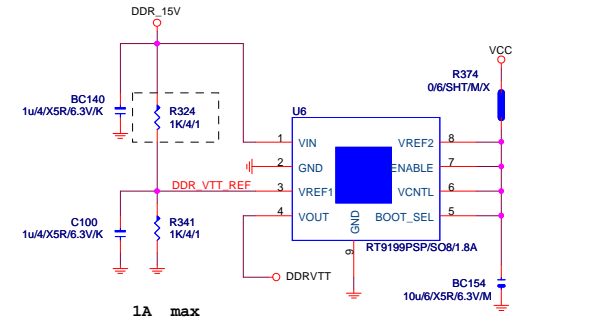
# VCC1\_5\_PCH



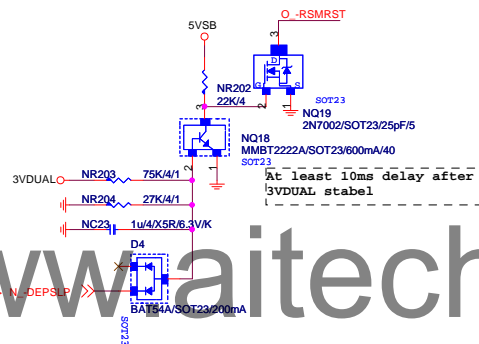
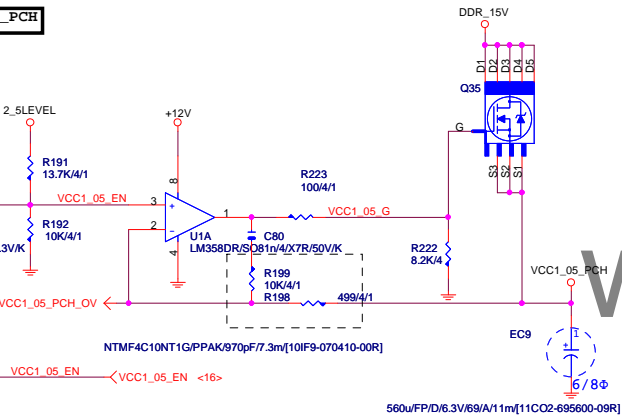
# 3VDUAL



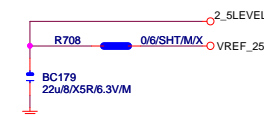
# DDRVTT



# VCC1\_05\_PCH



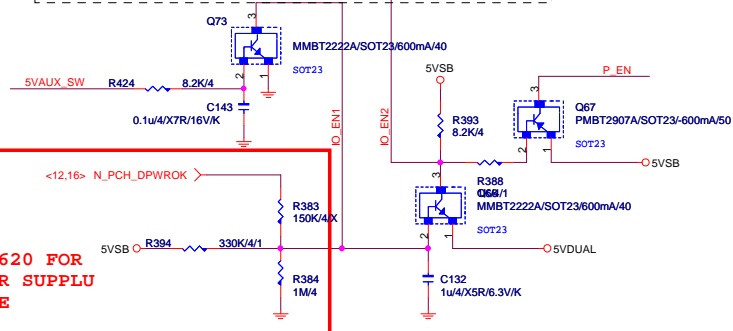
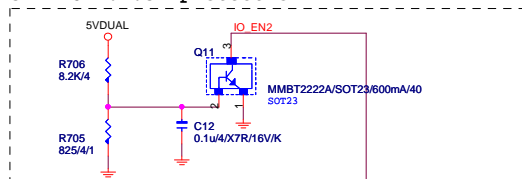
# 2\_5LEVEL



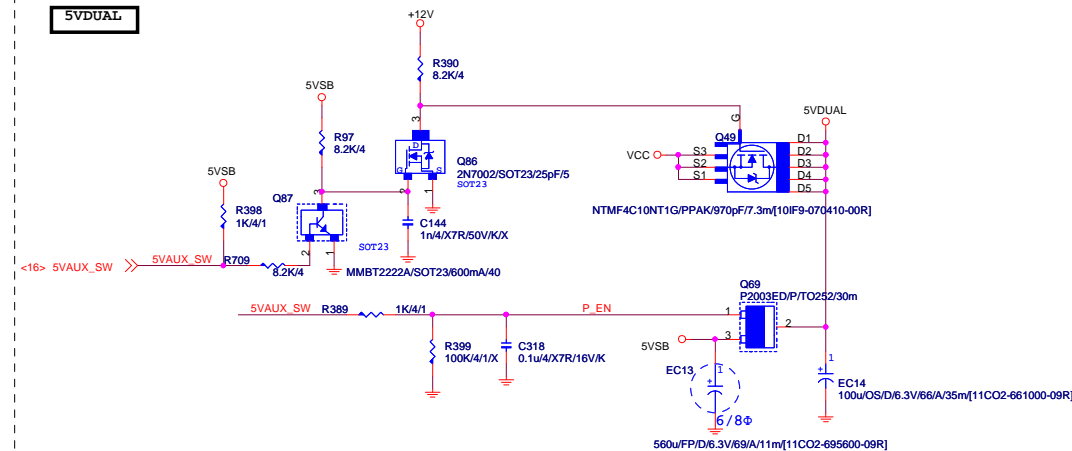
# 5VDUAL SHORT PROTECT

5V:0.40V  
7.5V:0.602V  
9V:0.722V

# 5VSB OVP:7.5V protection



# 5VDUAL



Gigabyte Technology

DISCRETE POWER

GA-H97M-DS3P

Rev 1.0

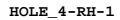
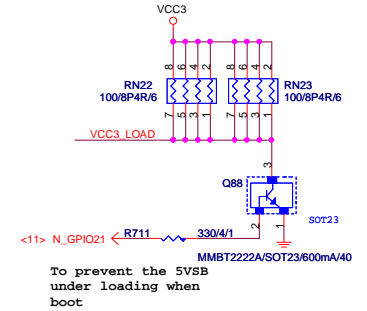
Title	Document Number	Rev
Size	Custom	1.0
Date	Tuesday, April 22, 2014	Sheet 24 of 31

## 【技術通報R&amp;D技術通報155】

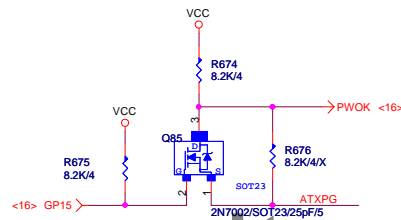
ATX



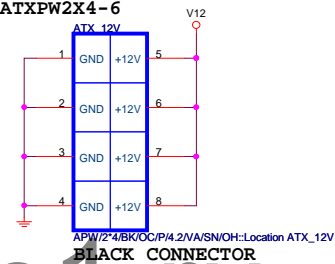
The schematic shows a power MOSFET driver circuit. A +12V supply is connected to the gate of an N-channel MOSFET (MMBT2222A/SOT23) through a resistor R703 (330Ω). The MOSFET's source is grounded, and its drain is connected to a load labeled +12V\_LOAD. The MOSFET is also shown with thermal nodes T1, T2, and T3.



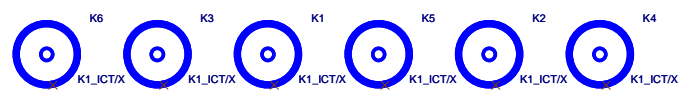
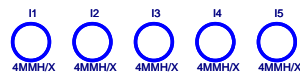
## 【技術通報R&amp;D技術通報154】



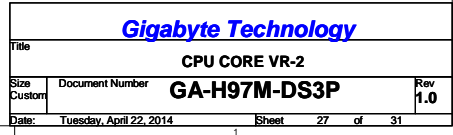
ATXPW2X4-6



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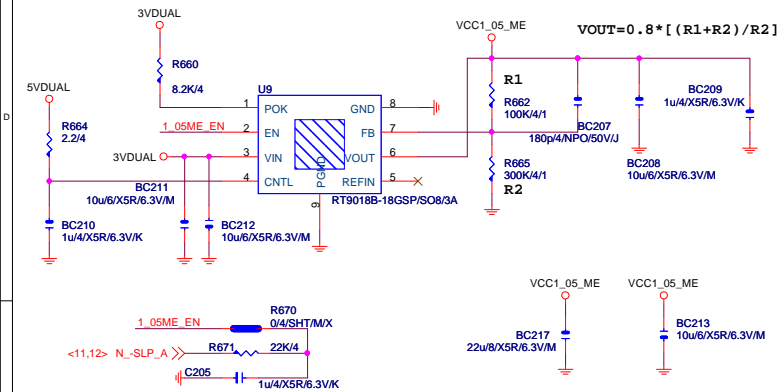
PWR	SEQ
-----	-----





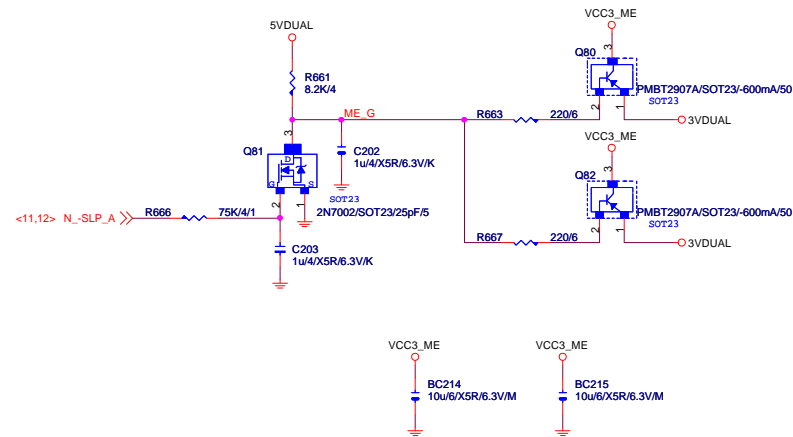
VCC1\_05\_ME

**【技術通報R&D技術通報156】**  
(RICHTEK), (NUVOTON), (EMC)做共用  
PIN7分壓阻值須做修改為100K以上電阻值



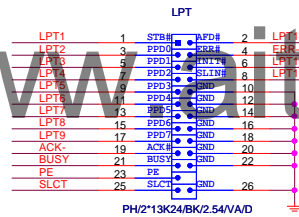
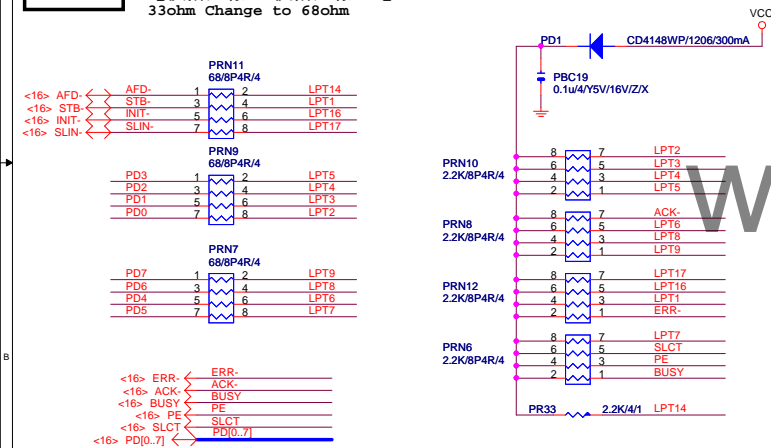
Second source  
EM5103 - 10GL2-305103-01R  
NCT3730S -  
10GL2-303730-01R

## VCC3\_ME

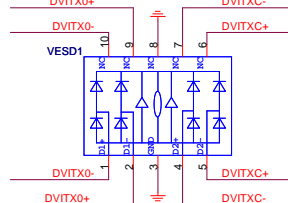
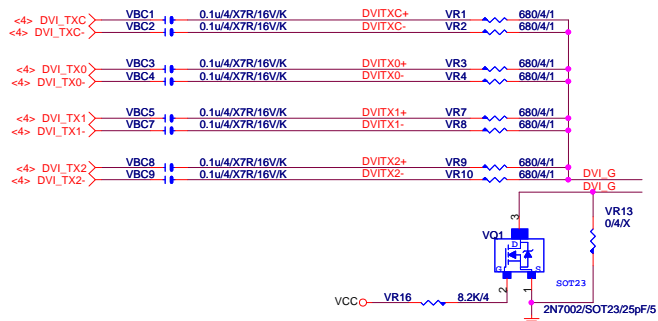


## LPT PORT

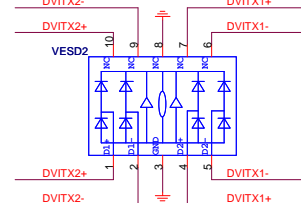
【技術通報R&D技術通報151】  
33ohm Change to 68ohm



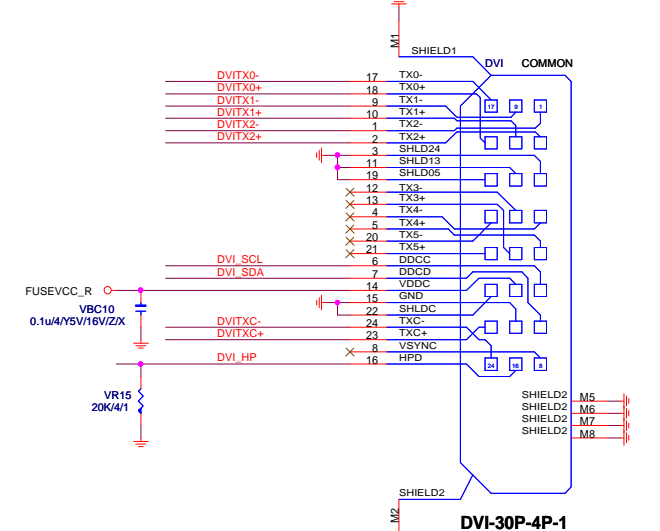
# DVI



Close to connector

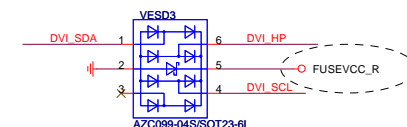


Close to connector



DVI-30P-4P-1

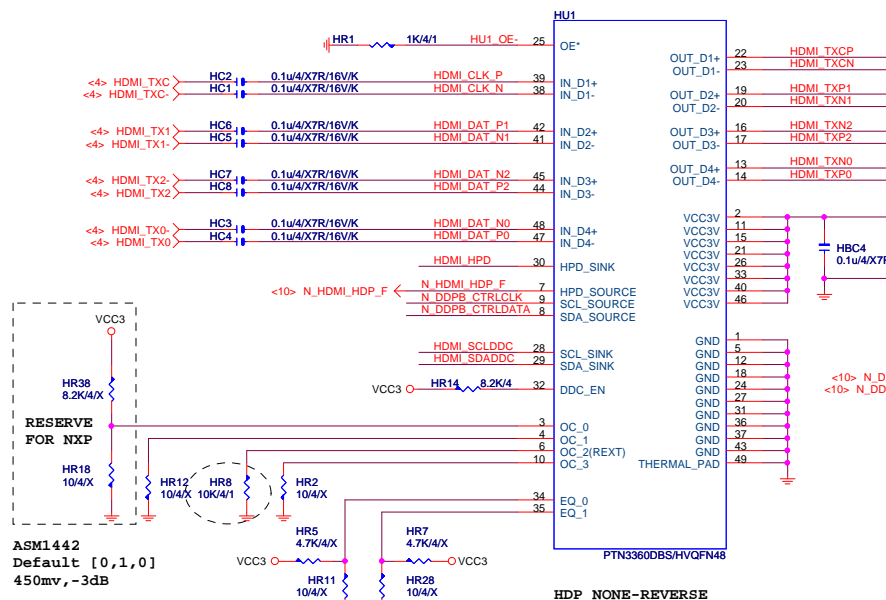
DVI-D24P/SC/RA/D/SH[11NR6-501024-31R\_11NR6-501024-33R]



Close to connector

# HDMI LEVEL SHIFT

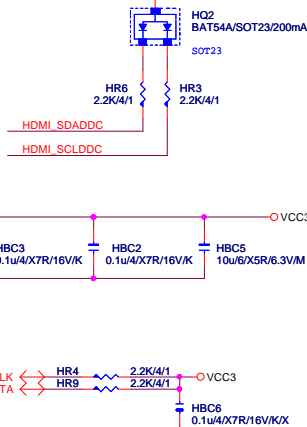
www.aitech1.ru



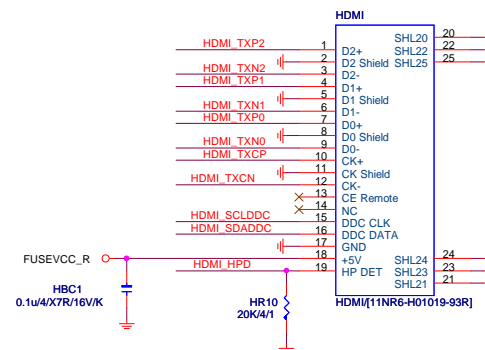
ASM1442  
Default [0,1,0]  
450mv, -3dB

ASM1442 Default [0,0] 3dB  
[0,1]6dB

HDP NONE-REVERSE



<10> N\_DDPB\_CTRLCLK  
<10> N\_DDPB\_CTRLCLK



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DVI

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