

Model Name: GA-H81M-D2V

SHEET

TITLE

Revision
1.01

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*16 SLOT
15	PCI EXPRESS X1 *2 SLOT
16	PCI SLOT (NA)
17	ITE 8620 LPC IO
18	COM,KB_MS_USB,USB30_20
19	HWM,FAN CTRL,OV
20	DUAL BIOS
21	FP,FUSB,SPK,SATALED
22	Realtek ALC887-VD2
23	REAR AUDIO JACK
24	REALTEK RTL8111F
25	DISCRETE POWER
26	ATX
27	VCORE ISL95812_1

www.xinxunwei.com 400-800-9990

SHEET

TITLE

28	VCORE ISL95812_2
29	RT8120_DDR POWER
30	LPT
31	DVI
32	IT8892E (NA)
33	USB3 VL805



Gigabyte Technology			
Cover Sheet			
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Circuit or PCB layout change

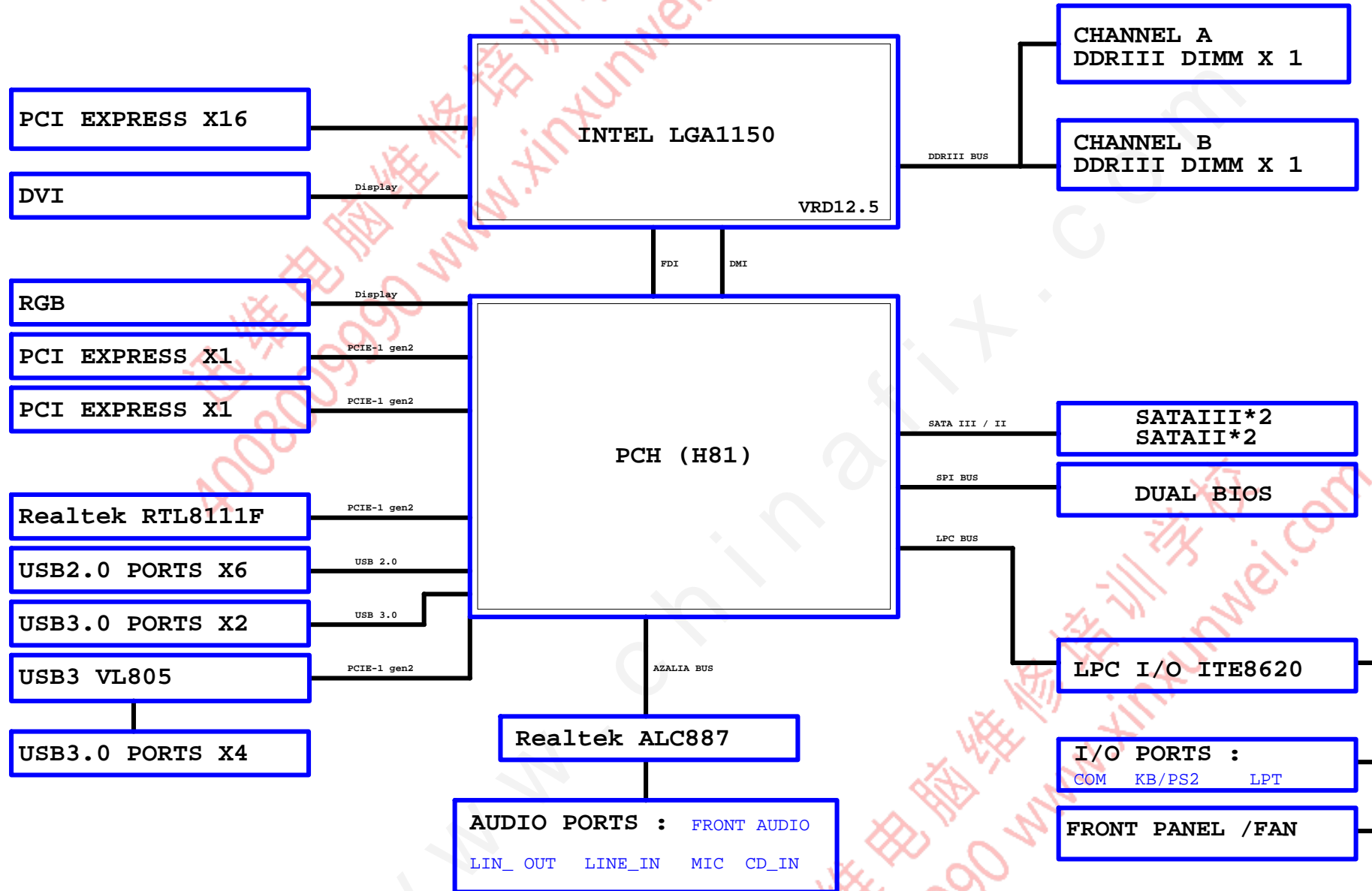
2013/04/08

[illegible]

S:單文
4:四層板
V:第二層是VCC
N:咖啡色
B:製程

<p align="center"><i>Gigabyte Technology</i></p>			
<p align="center">BOM & PCB MODIFY HISTORY</p>			
Size Custom	Document Number	GA-H81M-D2V	Rev 1.01
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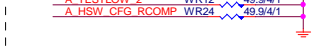
BLOCK DIAGRAM



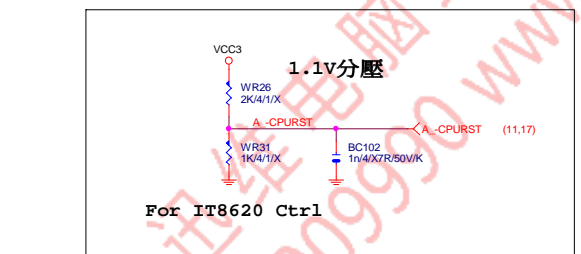
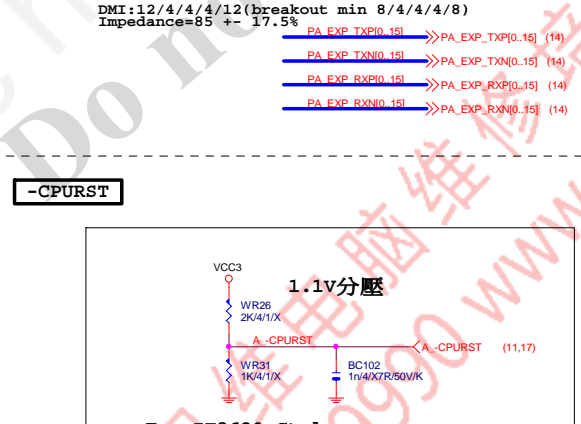
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99	99
100	100



WR14	51/4/1/X	A TMS
WR16	51/4/1/X	A TDO
WR17	51/4/1/X	A TDI



SM REF



For IT8620 Ctrl

FDI:12/4/5/4/12(breakout min 6/4/4/4/6)
Impedance=85 +- 17.5%

FDI_TXP[0..1] >> FDI_TXP[0..1] (9)

FDI_TXN[0..1] >> FDI_TXN[0..1] (9)

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Title			
CPU LGA1150-A			
Size	Document Number	Rev	
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LGA1150

(A)

LGA1150

(B)

LGA1150

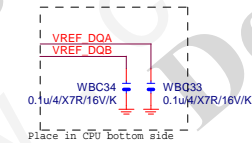
(CR)



LGA1150A

MAAA0	AU13	DDR0_MA0	DDR0_D00	AD38	MDA0
MAAA1	AV16	DDR0_MA1	DDR0_D01	AD39	MDA1
MAAA2	AW16	DDR0_MA2	DDR0_D02	AF38	MDA2
MAAA3	AW17	DDR0_MA3	DDR0_D03	AF39	MDA3
MAAA4	AU17	DDR0_MA4	DDR0_D04	AD37	MDA4
MAAA5	AW18	DDR0_MA5	DDR0_D05	AD40	MDA5
MAAA6	AW17	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	AY10	DDR0_MA13	DDR0_D13	AH38	MDA9
MAAA14	AT20	DDR0_MA14	DDR0_D14	AK37	MDA14
MAAA15	AU21	DDR0_MA15	DDR0_D15	AK40	MDA15
MODT_A0	AW10	DDR0_ODT0	DDR0_D16	AM40	MDA17
MODT_A1	AY8	DDR0_ODT1	DDR0_D17	AP38	MDA21
AW9		DDR0_ODT2	DDR0_D18	AP39	MDA19
AW8		DDR0_ODT3	DDR0_D19	AM37	MDA20
AW33			DDR0_D21	AM38	MDA16
AW33			DDR0_D22	AP47	MDA22
AU31			DDR0_D23	AP40	MDA23
AW31			DDR0_D24	AW37	MDA25
AU33			DDR0_D25	AW37	MDA29
AT33			DDR0_D26	AU35	MDA26
AU33			DDR0_D27	AW35	MDA27
AT31			DDR0_D28	AT37	MDA28
AW31			DDR0_D29	AU37	MDA24
AW31			DDR0_D30	AT35	MDA30
AW31			DDR0_D31	AW35	MDA31
SBAA0	SBAA0	DDR0_BA0	DDR0_D32	AY8	MDA33
SBAA1	SBAA1	DDR0_BA1	DDR0_D33	AU8	MDA37
SBAA2	SBAA2	DDR0_BA2	DDR0_D34	AV4	MDA34
CKEA0	CKEA0	DDR0_DQ35	DDR0_D35	AU4	MDA35
CKEA1	CKEA1	DDR0_DQ36	DDR0_D36	AW6	MDA36
AW22		DDR0_DQ37	DDR0_D37	AW6	MDA32
AW22		DDR0_DQ38	DDR0_D38	AW4	MDA38
AW23		DDR0_DQ39	DDR0_D39	AY4	MDA39
AW23		DDR0_DQ40	DDR0_D40	AR1	MDA41
AW23		DDR0_DQ41	DDR0_D41	AR4	MDA45
AW23		DDR0_DQ42	DDR0_D42	AN3	MDA42
AW23		DDR0_DQ43	DDR0_D43	AN4	MDA43
AW23		DDR0_DQ44	DDR0_D44	AR2	MDA44
AW23		DDR0_DQ45	DDR0_D45	AR3	MDA40
AW23		DDR0_DQ46	DDR0_D46	AN2	MDA46
AW23		DDR0_DQ47	DDR0_D47	AN1	MDA47
AW23		DDR0_DQ48	DDR0_D48	AL1	MDA49
AW23		DDR0_DQ49	DDR0_D49	AL4	MDA53
AW23		DDR0_DQ50	DDR0_D50	AJ4	MDA50
AW23		DDR0_DQ51	DDR0_D51	AJ4	MDA51
AW23		DDR0_DQ52	DDR0_D52	AL2	MDA52
AW23		DDR0_DQ53	DDR0_D53	AJ2	MDA48
AW23		DDR0_DQ54	DDR0_D54	AJ2	MDA54
AW23		DDR0_DQ55	DDR0_D55	AJ1	MDA55
AW23		DDR0_DQ56	DDR0_D56	AG1	MDA57
AW23		DDR0_DQ57	DDR0_D57	AG4	MDA61
AW23		DDR0_DQ58	DDR0_D58	AE3	MDA58
AW23		DDR0_DQ59	DDR0_D59	AE4	MDA59
AW23		DDR0_DQ60	DDR0_D60	AG2	MDA60
AW23		DDR0_DQ61	DDR0_D61	AG3	MDA56
AW23		DDR0_DQ62	DDR0_D62	AE2	MDA62
AW23		DDR0_DQ63	DDR0_D63	AE1	MDA63
AW23		DDR0_DQ64	DDR0_D64	AE39	DQSA0
AW23		DDR0_DQ65	DDR0_D65	AJ39	DQSA1
AW23		DDR0_DQ66	DDR0_D66	AN39	DQSA2
AW23		DDR0_DQ67	DDR0_D67	AV36	DQSA3
AW23		DDR0_DQ68	DDR0_D68	AV36	DQSA4
AW23		DDR0_DQ69	DDR0_D69	AV5	DQSA5
AW23		DDR0_DQ70	DDR0_D70	AP3	DQSA6
AW23		DDR0_DQ71	DDR0_D71	AK3	DQSA7
AW23		DDR0_DQ72	DDR0_D72	AF3	DQSA7
AW23		DDR0_DQ73	DDR0_D73	AV32	DQSA7
AW23		DDR0_DQ74	DDR0_D74	AE38	DQSA0
AW23		DDR0_DQ75	DDR0_D75	AJ38	DQSA1
AW23		DDR0_DQ76	DDR0_D76	AN38	DQSA2
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AW23		DDR0_DQ78	DDR0_D78	AW5	DQSA4
AW23		DDR0_DQ79	DDR0_D79	AP2	DQSA5
AW23		DDR0_DQ80	DDR0_D80	AK2	DQSA6
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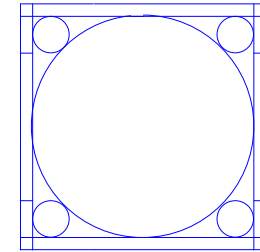
HASWELL[10SC1-F01150-11R_10SC1-F01150-12R]



LGA1150B

MAAB0	AL19	DDR1_MA0	AE34	MD80
MAAB1	AK23	DDR1_MA1	AE35	MD81
MAAB2	AM22	DDR1_MA2	AG35	MD82
MAAB3	AM23	DDR1_MA3	AH35	MD83
MAAB4	AP23	DDR1_MA4	AD34	MD84
MAAB5	AL23	DDR1_MA5	AD35	MD85
MAAB6	AY24	DDR1_MA6	AG34	MD86
MAAB7	AY25	DDR1_MA7	AH34	MD87
MAAB8	AU26	DDR1_MA8	AL34	MD88
MAAB9	AW25	DDR1_MA9	AL35	MD89
MAAB10	AP18	DDR1_MA10	AL31	MD810
MAAB11	AK38	DDR1_MA11	AK31	MD811
MAAB12	AY26	DDR1_MA12	AK34	MD812
MAAB13	AR15	DDR1_MA13	AK35	MD813
MAAB14	AV27	DDR1_MA14	AK32	MD814
MAAB15	AY28	DDR1_MA15	AL32	MD815
MODT_B0	AM17	DDR1_ODT0	AP34	MD817
MODT_B1	AL16	DDR1_ODT1	AN31	MD819
AM16		DDR1_ODT2	AP31	MD823
AK15		DDR1_ODT3	AP35	MD820
AM26		DDR1_ECC0	AP35	MD816
AM25		DDR1_ECC1	AN32	MD818
AP25		DDR1_ECC2	AP32	MD822
AP26		DDR1_ECC3	AM29	MD825
AL26		DDR1_ECC4	AM28	MD828
AL25		DDR1_ECC5	AR29	MD827
AR26		DDR1_ECC6	AR28	MD830
AR26		DDR1_ECC7	AL23	MD834
AR26			AL28	MD829
AR26			AP29	MD826
AR26			AP28	MD831
AR26			AR12	MD832
AR26			AR13	MD833
AR26			AR12	MD834
AR26			AL12	MD835
AR26			AR13	MD836
AR26			AP13	MD837
AR26			AM13	MD838
AR26			AM12	MD839
AR26			AR9	MD845
AR26			AP9	MD841
AR26			AR6	MD847
AR26			AP6	MD843
AR26			AR10	MD844
AR26			AP10	MD840
AR26			AR7	MD846
AR26			AP7	MD842
AR26			AM9	MD852
AR26			AL9	MD853
AR26			AL6	MD850
AR26			AL7	MD855
AR26			AM10	MD848
AR26			AL10	MD849
AR26			AM6	MD854
AR26			AM2	MD851
AR26			AH6	MD861
AR26			AH7	MD860
AR26			AE6	MD859
AR26			AE7	MD863
AR26			AJ6	MD856
AR26			AJ7	MD857
AR26			AF6	MD858
AR26			AF7	MD862
AR26			AF35	DQSB0
AR26			AL33	DQSB1
AR26			AP33	DQSB2
AR26			AN28	DQSB3
AR26			AN12	DQSB4
AR26			AP8	DQSB5
AR26			AL8	DQSB6
AR26			AG7	DQSB7
AR26			AN25	DQSB7
AR26			AK33	DQSB0
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AR26			AR8	DQSB5
AR26			AM8	DQSB6
AR26			AG6	DQSB7
AR26			AN28	DQSB7

HASWELL[10SC1-F01150-11R_10SC1-F01150-12R]

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) MAA[0..15]	MAA0..15
(8) MAA[0..15]	MAA0..15
(8) DQSB[0..7]	DQSB0..7
(8) DQSB[0..7]	DQSB0..7

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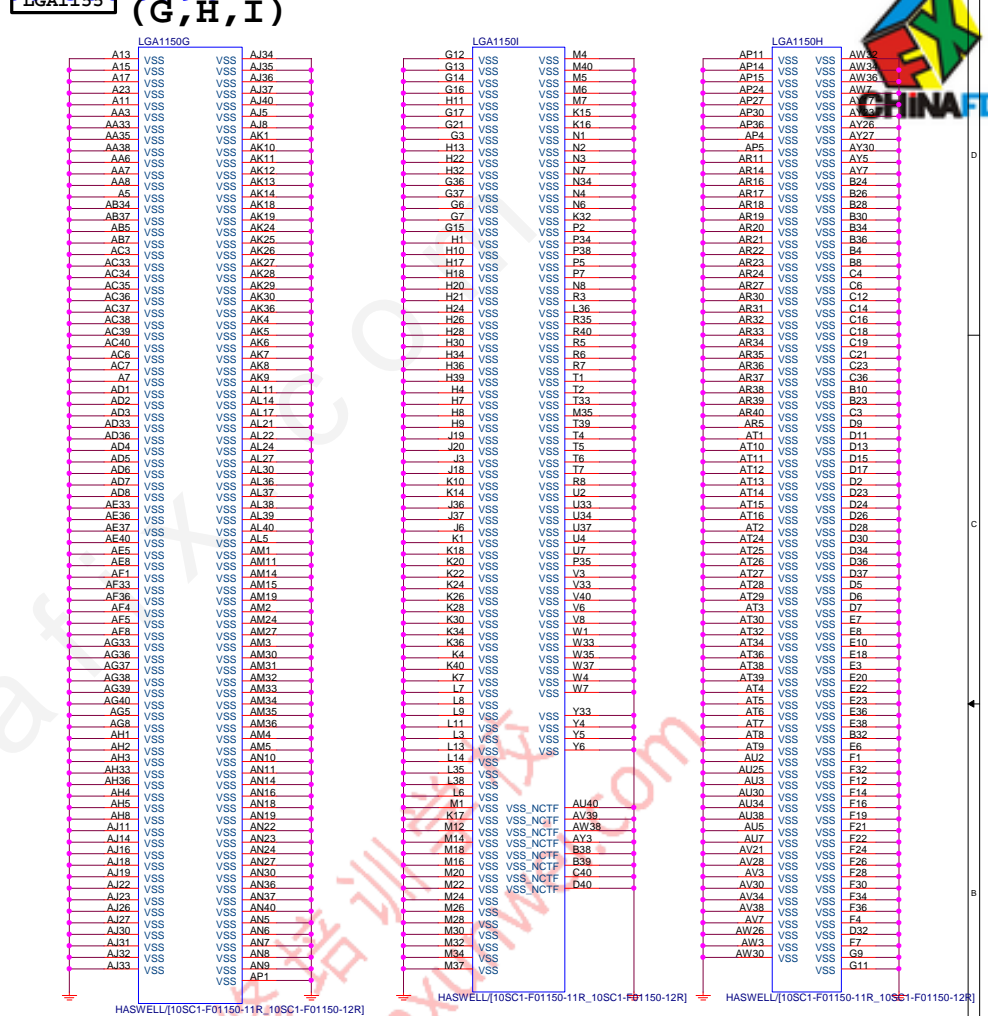
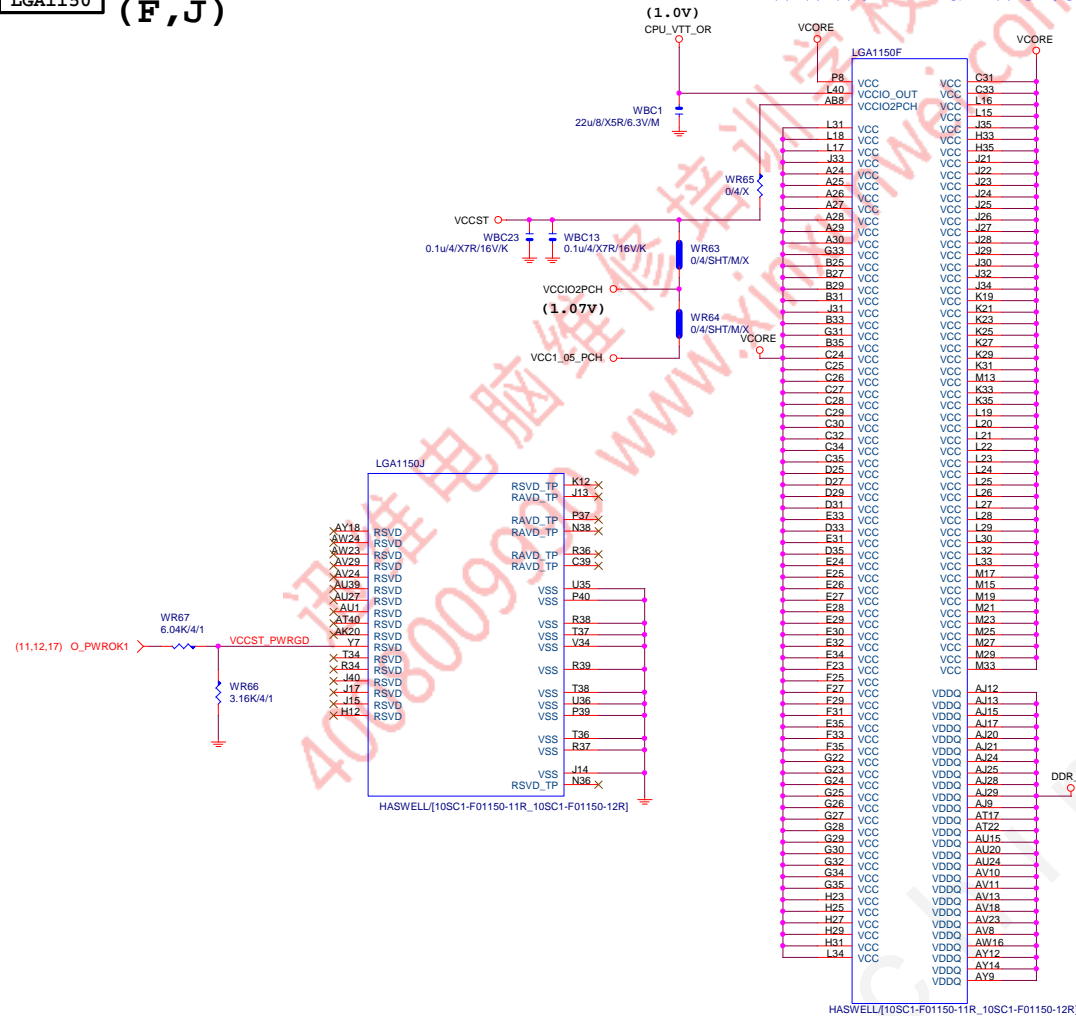
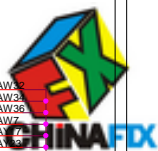
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Size			GA-H81M-D2V
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Rev 1.0

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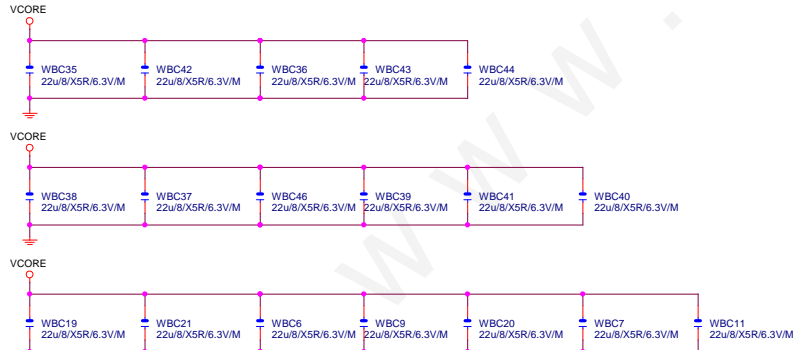
LGA1150 (F,J)

LGA1155 (G,H,I)



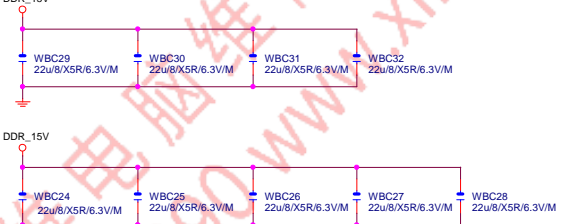
VCore CAP

(X18)



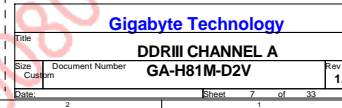
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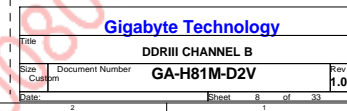
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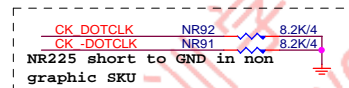


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Title		CPU LGA1150-C			
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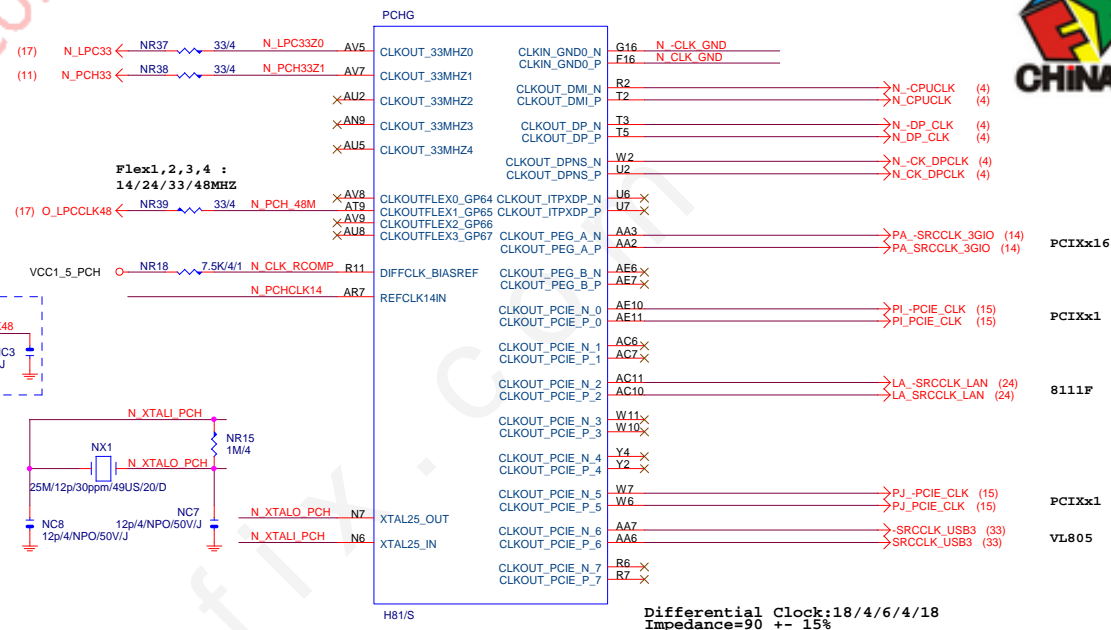
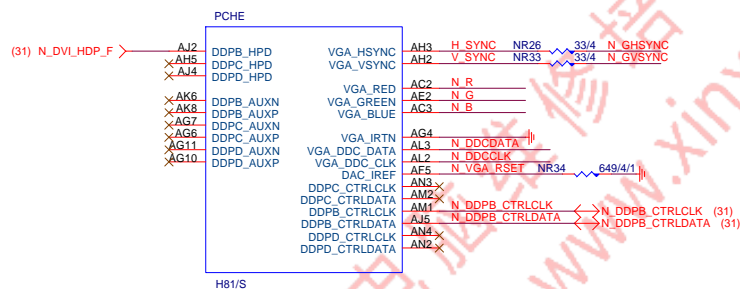




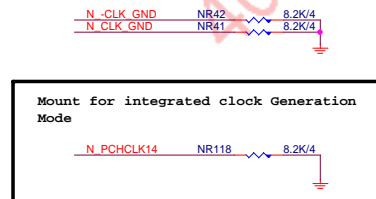


GRAY HS

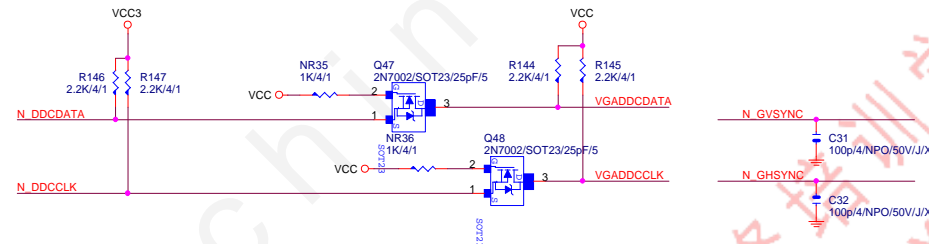
Title			
PCH FDI,DMI,USB ,PCIE,NVRAM			
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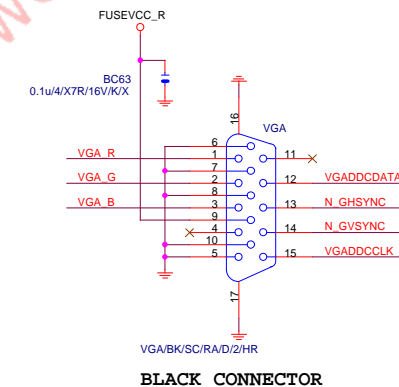
PCH CLK PD



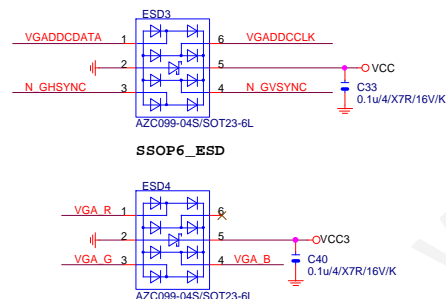
VGA DDC



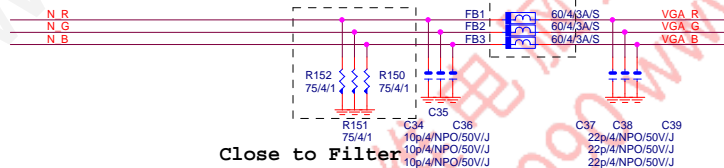
VGA CONNECTOR



VGA ESD



VGA DDC



Gigabyte Technology

PCH DISPLAY,CLK BUFFER

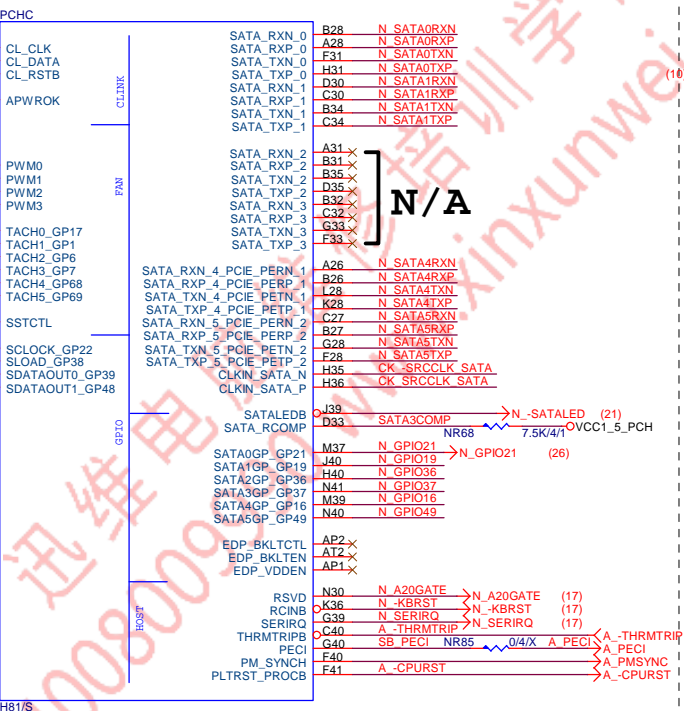
GA-H81M-D2V

Rev 1.01

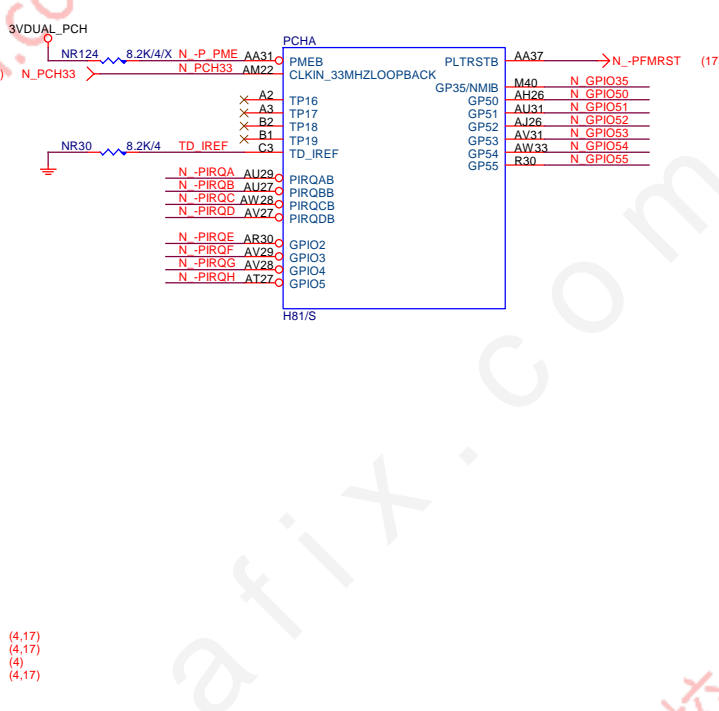
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PCH (C)

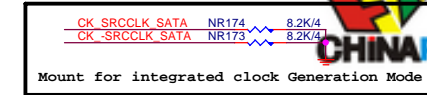
SATA3 : 20/7.5/4.5/7.5/20 (breakout min 8/4/4/4/8)
 Impedance=90 +- 17.5%
 SATA2 : 15/7.5/4.5/7.5/15 (breakout min 8/4/4/4/8)
 Impedance=90 +- 17.5%



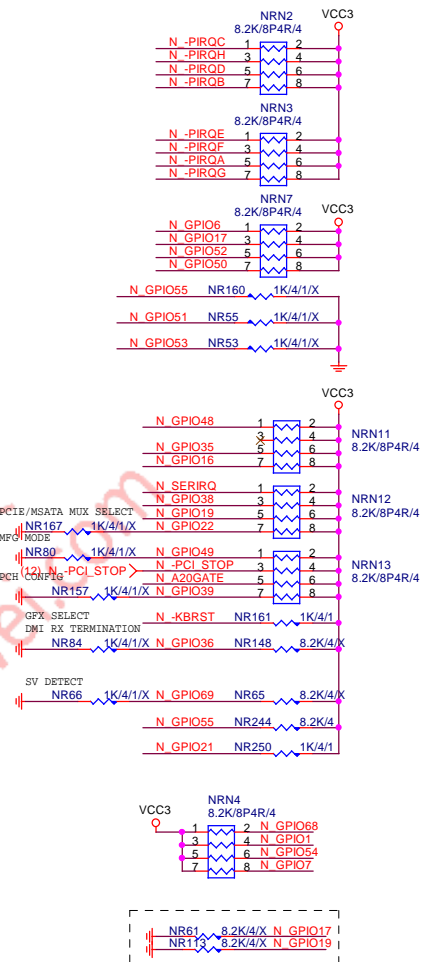
PCH (A)



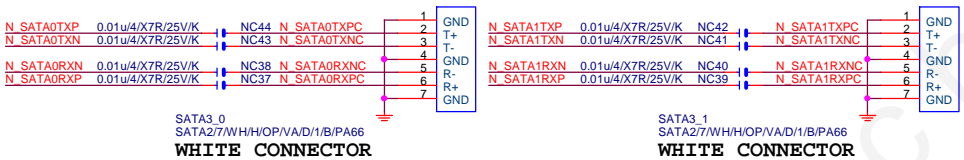
PCH CLK PD



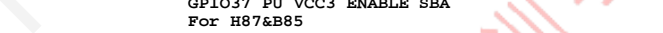
PCH PU/PD



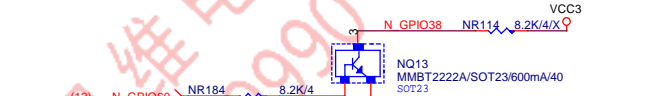
SATA CONNECTOR



ME PWROK



GPIO38 Ctrl

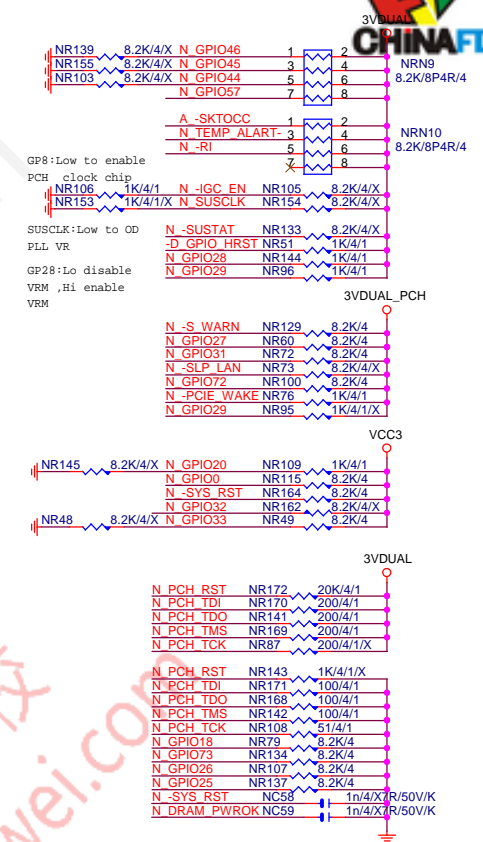
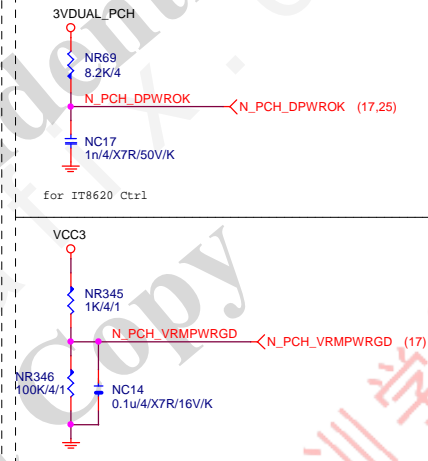


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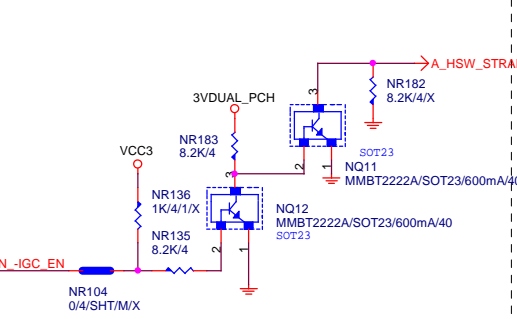
Title	PCH HOST , SATA, PCI		
Size	Document Number	GA-H81M-D2V	
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ACZ_SDOUT

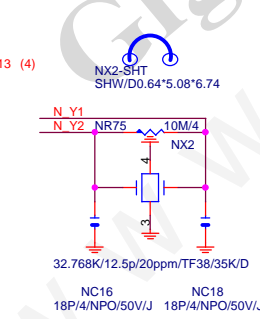
PCH	PU/PD
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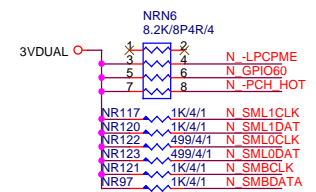
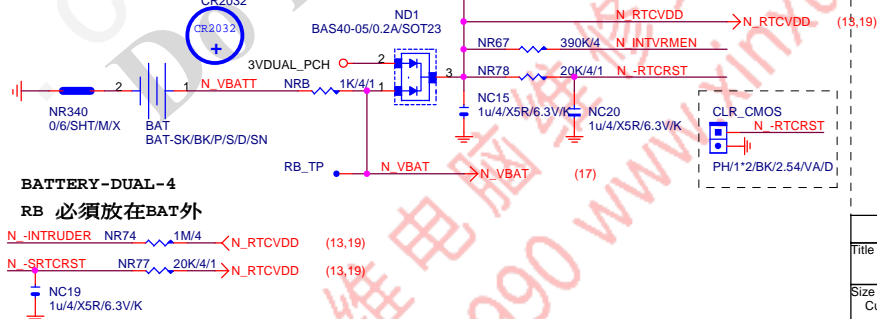
HSW STRAP13



32.768KHZ



CLR CMOS



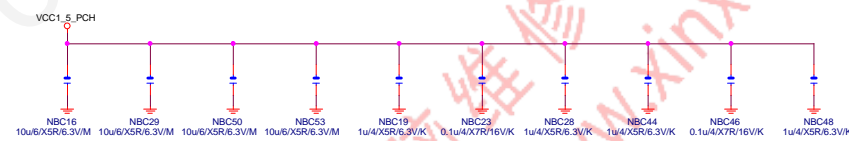
Gigabyte Technology

PCH GPIO , CTRL , AUDIO

er **GA-H81M-D2V**

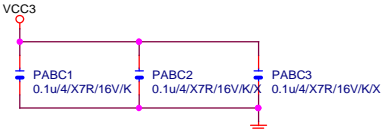
Rev	1.0
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SHT PWR

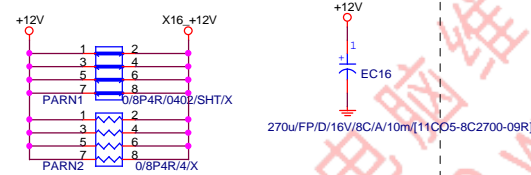
Rev
1.01



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
PA EXP TXP5	PAC14	0.22u4/X5R/6.3V/K	PA EXP TXP5 C
PA EXP TXN5	PAC15	0.22u4/X5R/6.3V/K	PA EXP TXN5 C
PA EXP TXP6	PAC16	0.22u4/X5R/6.3V/K	PA EXP TXP6 C
PA EXP TXN6	PAC17	0.22u4/X5R/6.3V/K	PA EXP TXN6 C
PA EXP TXP7	PAC19	0.22u4/X5R/6.3V/K	PA EXP TXP7 C
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
PA EXP TXN8	PAC21	0.22u4/X5R/6.3V/K	PA EXP TXN8 C
PA EXP TXP9	PAC22	0.22u4/X5R/6.3V/K	PA EXP TXP9 C
PA EXP TXN9	PAC23	0.22u4/X5R/6.3V/K	PA EXP TXN9 C
PA EXP TXP10	PAC24	0.22u4/X5R/6.3V/K	PA EXP TXP10 C
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
PA EXP TXP12	PAC28	0.22u4/X5R/6.3V/K	PA EXP TXP12 C
PA EXP TXN12	PAC29	0.22u4/X5R/6.3V/K	PA EXP TXN12 C
PA EXP TXP13	PAC30	0.22u4/X5R/6.3V/K	PA EXP TXP13 C
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
PA EXP TXN14	PAC33	0.22u4/X5R/6.3V/K	PA EXP TXN14 C
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)
PA EXP TXP0.[15] >>> PA_EXP_TXP[0..15] (4)
PA EXP TXN0.[15] >>> PA_EXP_TXN[0..15] (4)

The auxiliary reset circuit is only required for PCIe Gen3 margining and functional link training

PCIEX16 SLOT

(7,8,12,15,19) N_SMBCLK
(7,8,12,15,19) N_SMBDATA
(12,15,24,33) N_-PCIE_WAKE

PA EXP TXP0 C
PA EXP TXN0 C

PA EXP TXP1 C
PA EXP TXN1 C

PA EXP TXP2 C
PA EXP TXN2 C

PA EXP TXP3 C
PA EXP TXN3 C

PA EXP TXP4 C
PA EXP TXN4 C

PA EXP TXP5 C
PA EXP TXN5 C

PA EXP TXP6 C
PA EXP TXN6 C

PA EXP TXP7 C
PA EXP TXN7 C

PA EXP TXP8 C
PA EXP TXN8 C

PA EXP TXP9 C
PA EXP TXN9 C

PA EXP TXP10 C
PA EXP TXN10 C

PA EXP TXP11 C
PA EXP TXN11 C

PA EXP TXP12 C
PA EXP TXN12 C

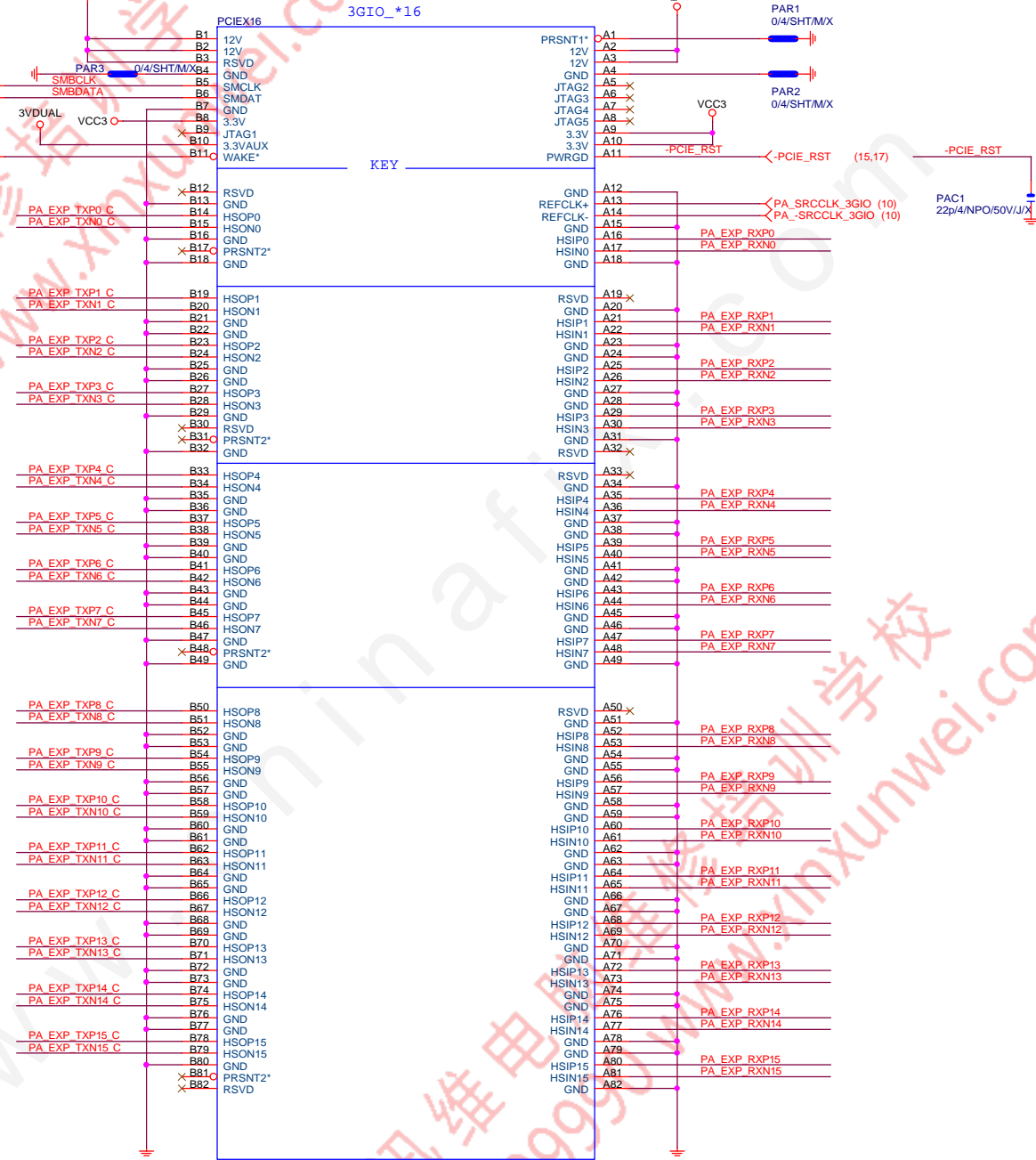
PA EXP TXP13 C
PA EXP TXN13 C

PA EXP TXP14 C
PA EXP TXN14 C

PA EXP TXP15 C
PA EXP TXN15 C

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PCIESLOT-164DN-P

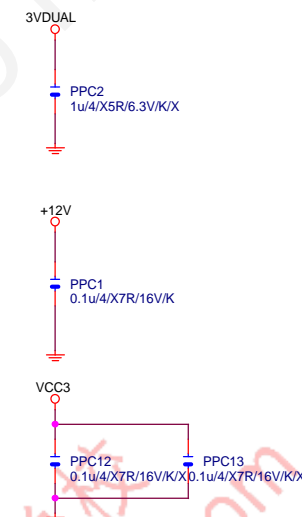
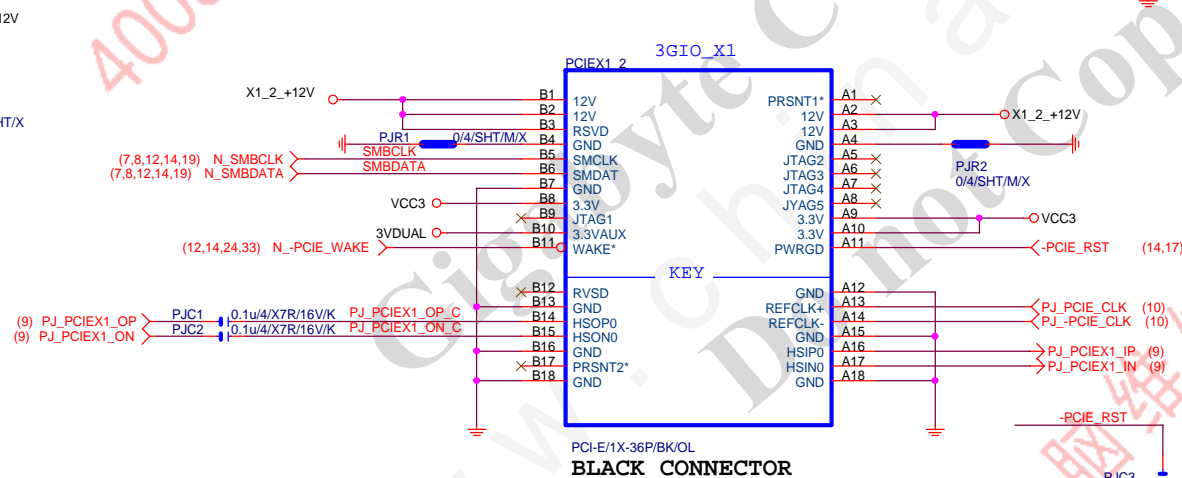


PCI-E/16X-164P/BK/LONG DOUBLE

BLACK CONNECTOR

Gigabyte Technology

Title			PCI EXPRESS * 16	
Size			GA-H81M-D2V	
Custom			Rev 1.01	
Date:			Friday, December 13, 2013	Sheet 14 of 33





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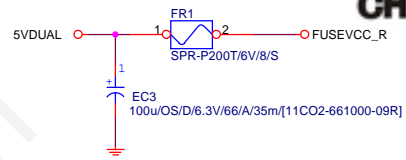
Gigabyte Technology		
Title		
PCI SLOT 1&2		
Size	Document Number	Rev
Custom	GA-H81M-D2V	1.01
Date	Friday, December 13, 2013	Sheet 16 of 33



USB2.0 PWR

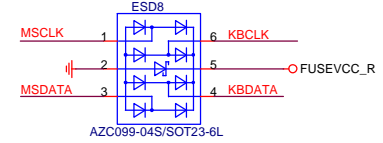
FUSE-0805

KB_MS_USB 2-Port 2.0A

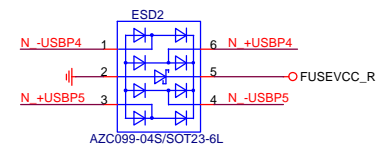


Close to connector

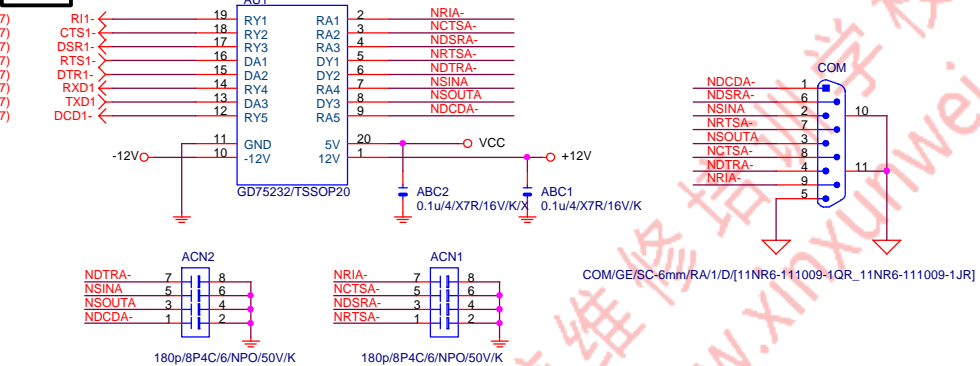
KB/MS ESD



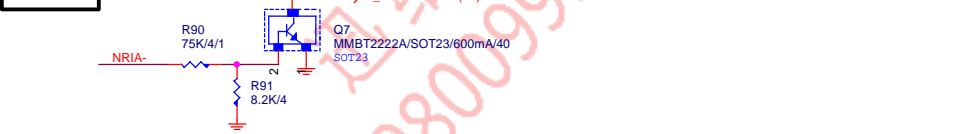
USB2.0 ESD



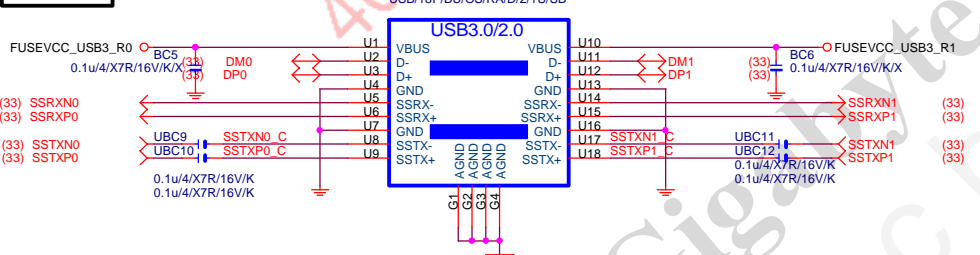
COM



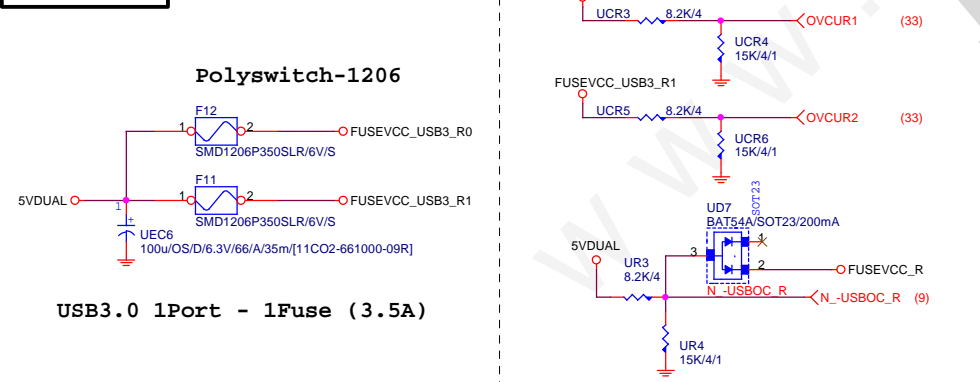
COM RI



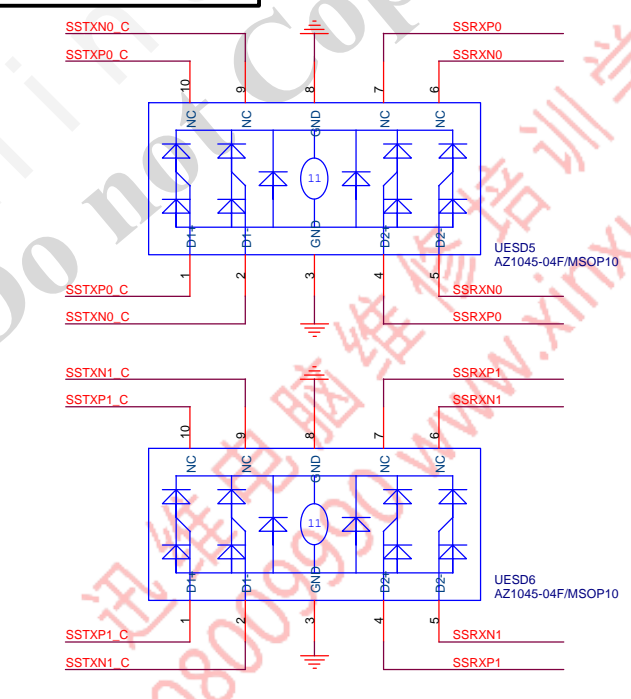
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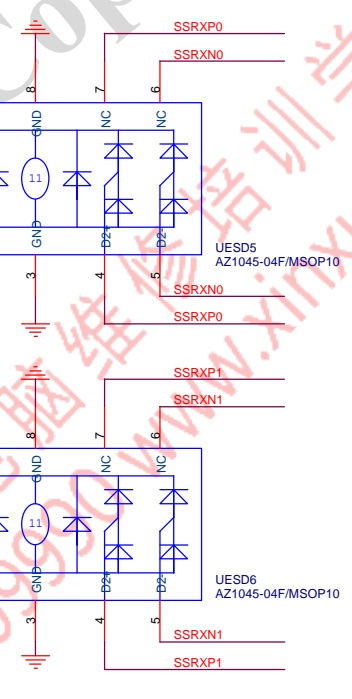
USB30_20 PWR



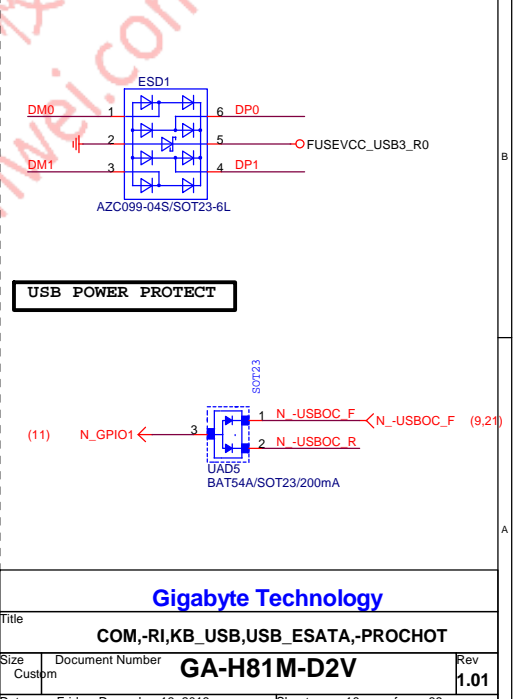
USB30_20 ESD PROTECT



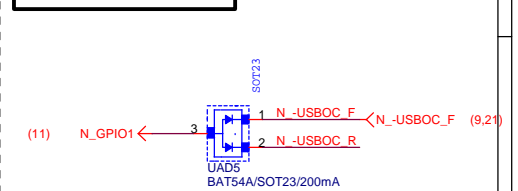
USB3.0 ESD



USB2.0 ESD



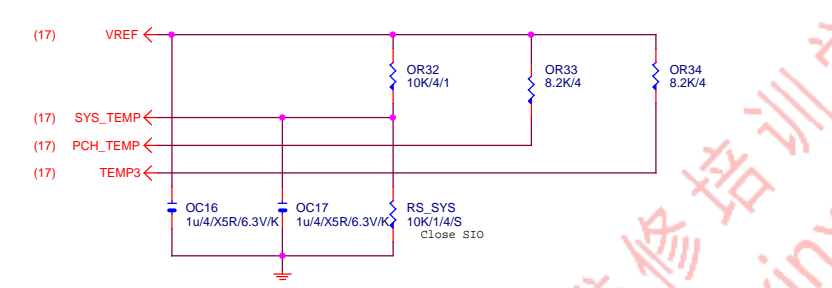
USB POWER PROTECT



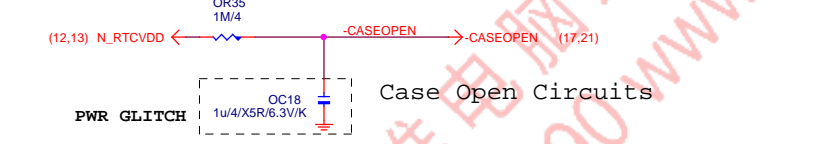
Gigabyte Technology

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Size	Custom	Document Number	GA-H81M-D2V	
Date:	Friday, December 13, 2013	Sheet	18	of 33

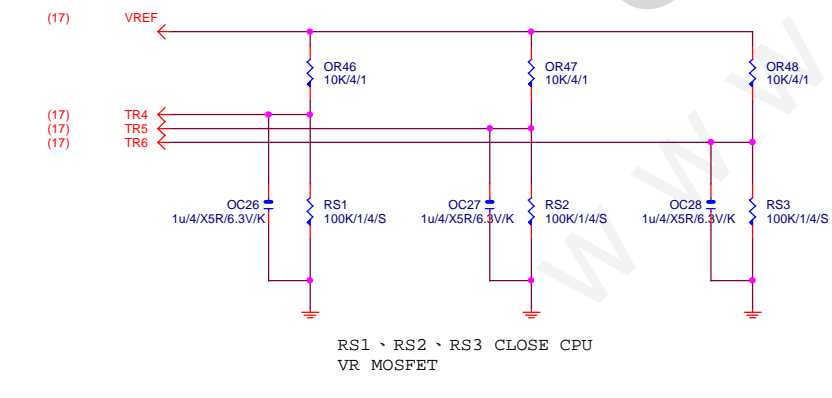
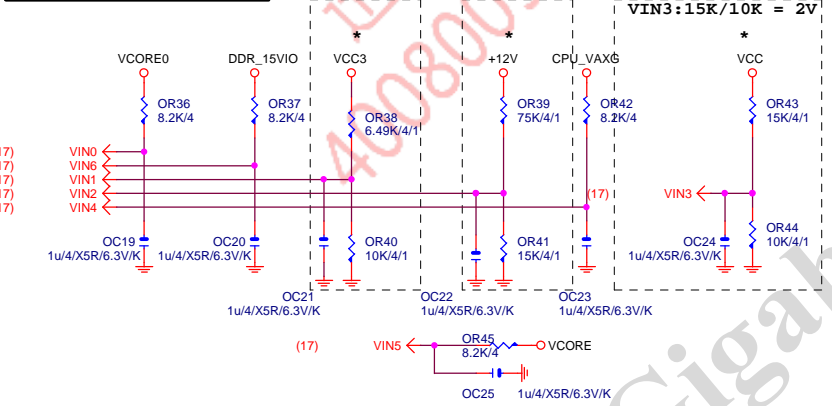
TEMP H/W MONITOR



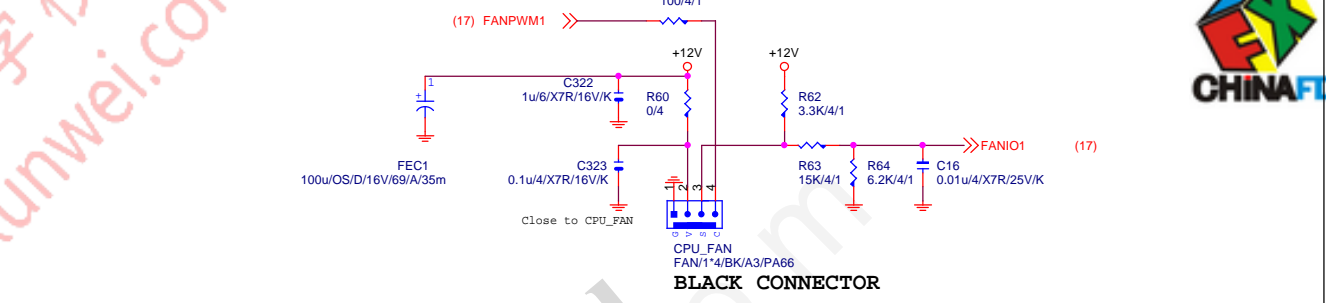
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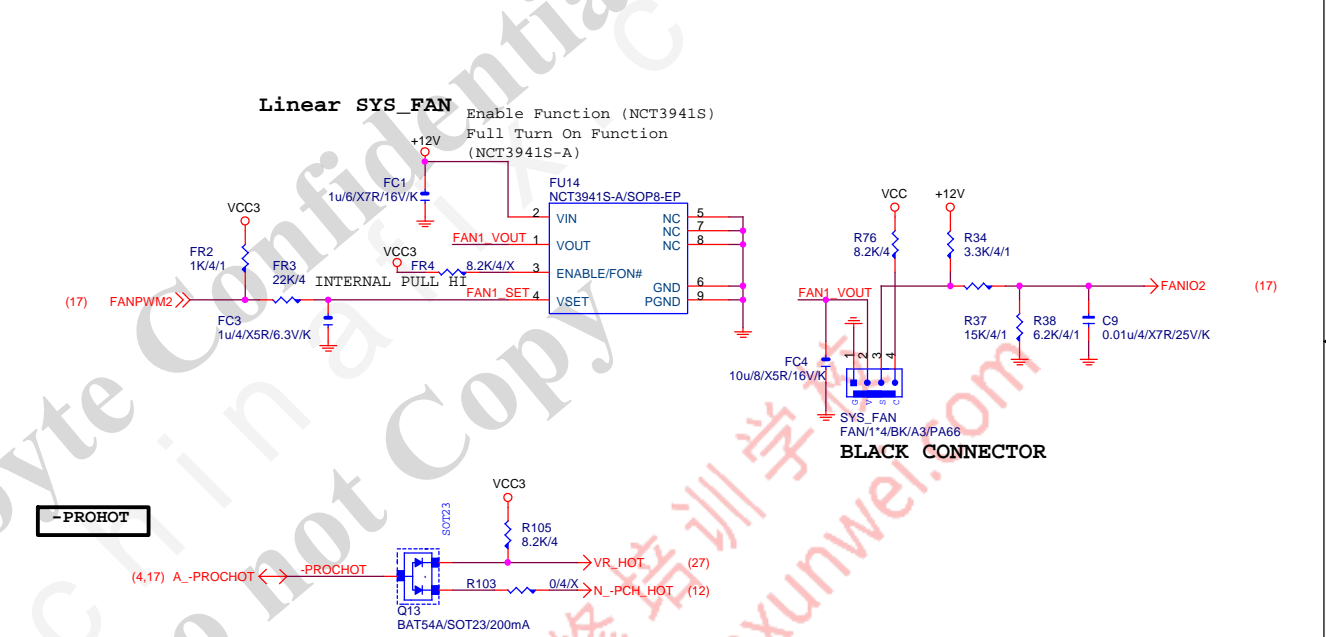
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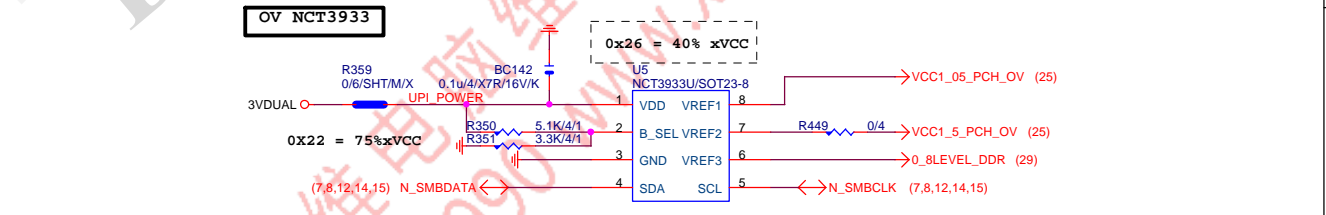
CPU SMART FAN



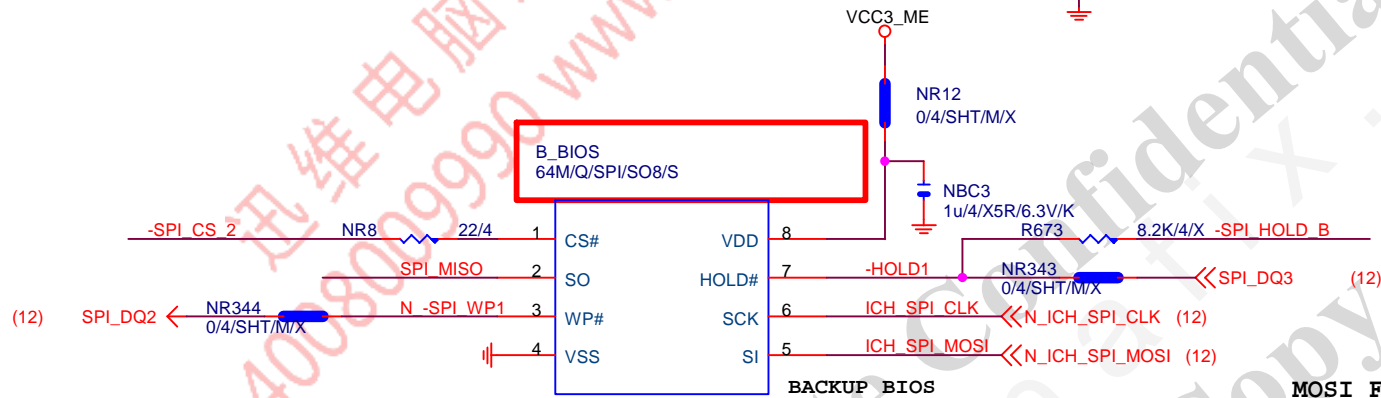
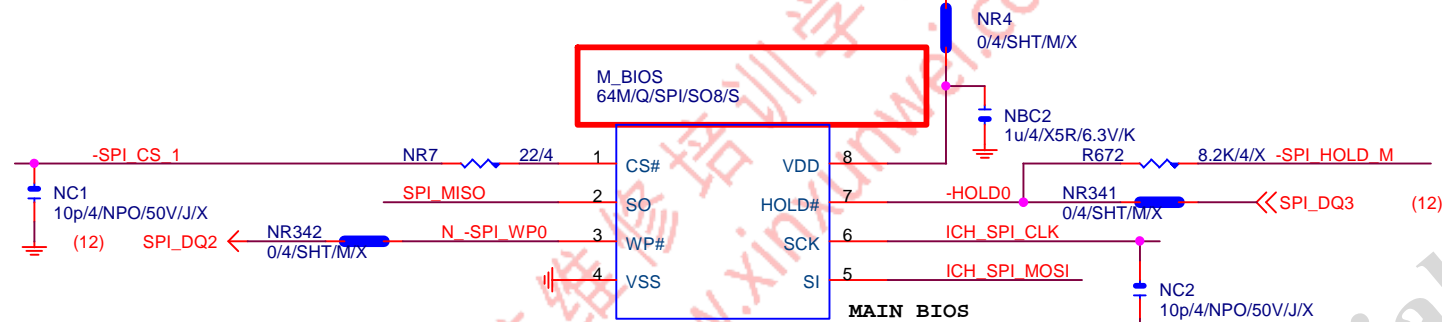
SYS SMART FAN



PROHOT



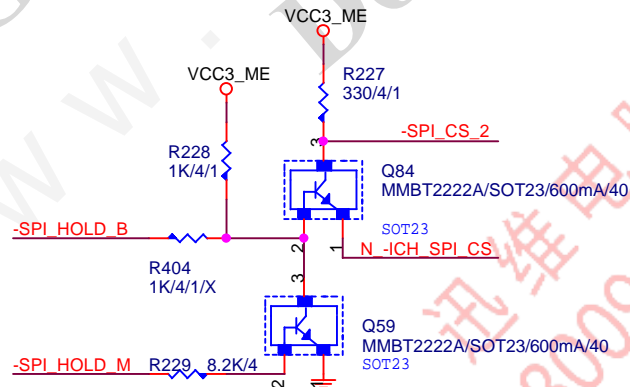
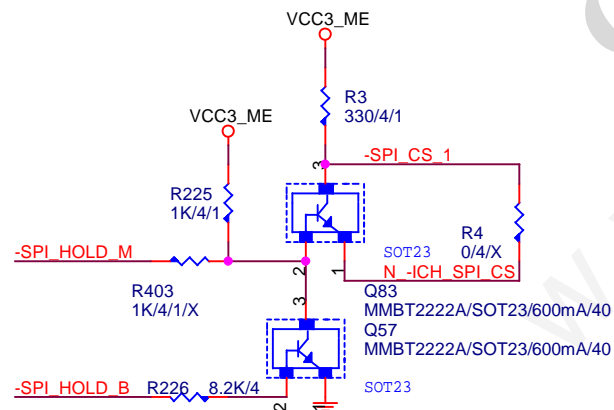
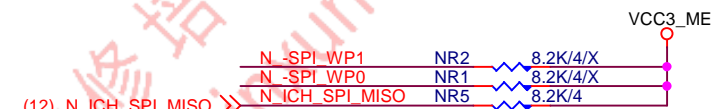
Gigabyte Technology			
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HWM,FAN CTRL,OV			
Size	Document Number	GA-H81M-D2V	
Custom		Rev 1.01	
Date:	Friday, December 13, 2013	Sheet	19 of 33



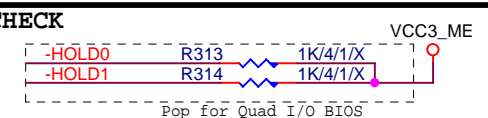
BOOT DEVICE	GNT0	GNT1
LPC	0	0
PCI	0	1
NAND	1	0
SPI	1	1

1 means floating
0 means PD 1K

MOSI For DMI RX Termination Voltage



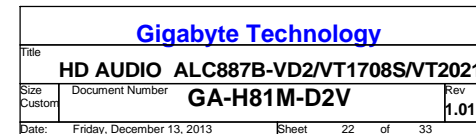
CHECK



Gigabyte Technology

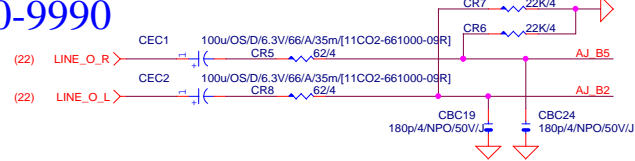
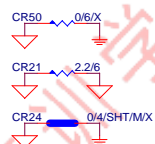
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Size Custom	Document Number	GA-H81M-D2V	
Date:	Friday, December 13, 2013	Sheet	20 of 33
		Rev	1.01

	ALC892	ALC887-VD2	VT1708S-CE
CR44/CBC26	47ohm+1nF	47ohm+1nF	22ohm+100P
CBC42/CBC43	X	X	100P/4
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





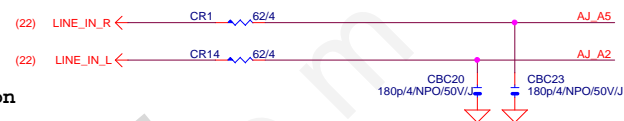
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LINE-IN

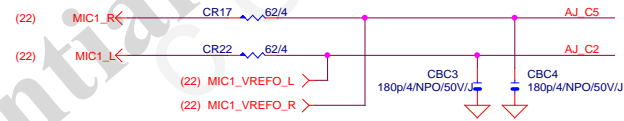
Verify MIC function
in LINE-in

Only reserved for ALC888

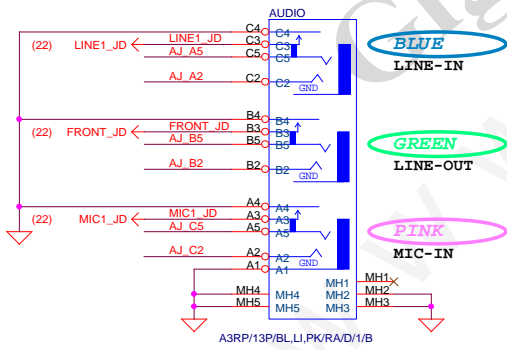


For 889A/888

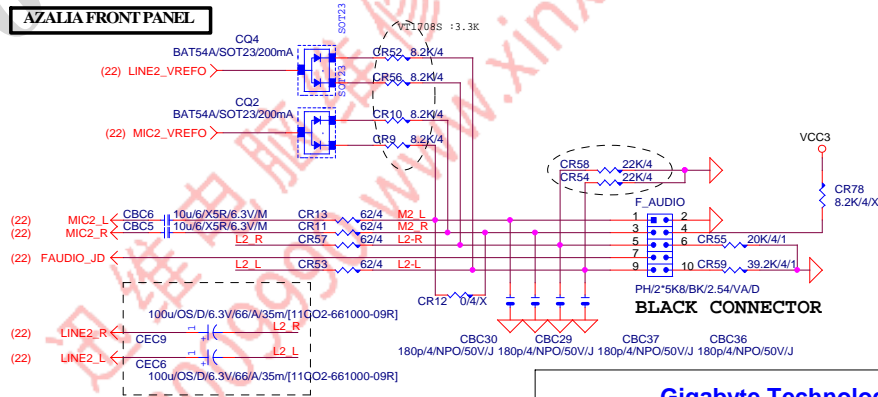
MIC-IN



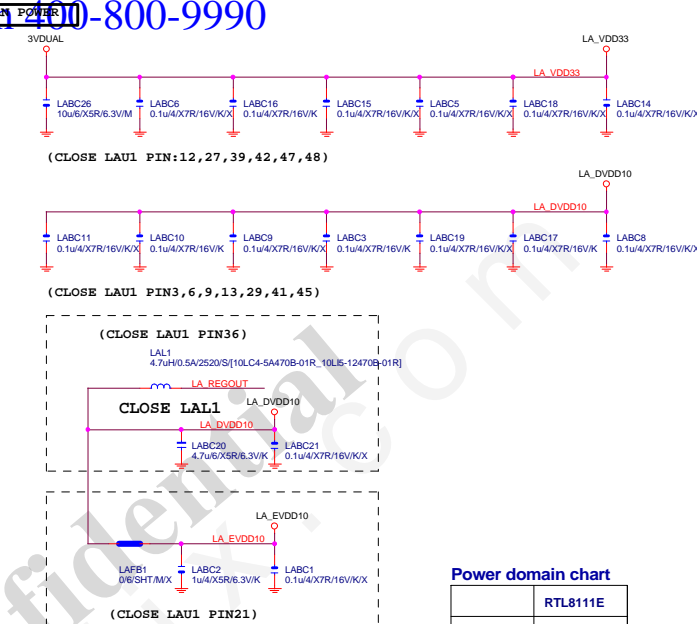
SPDIF_OUT



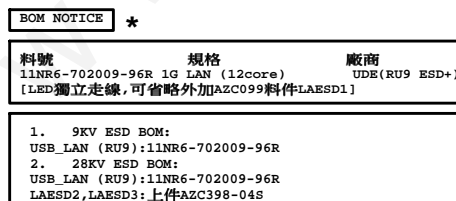
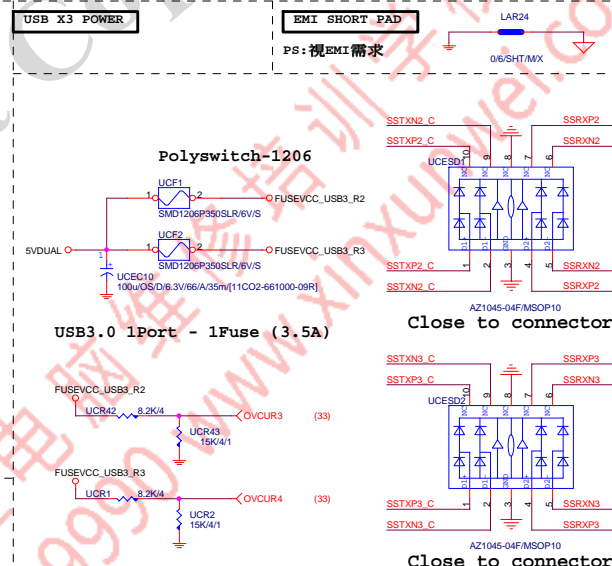
AZALIA FRONT PANEL



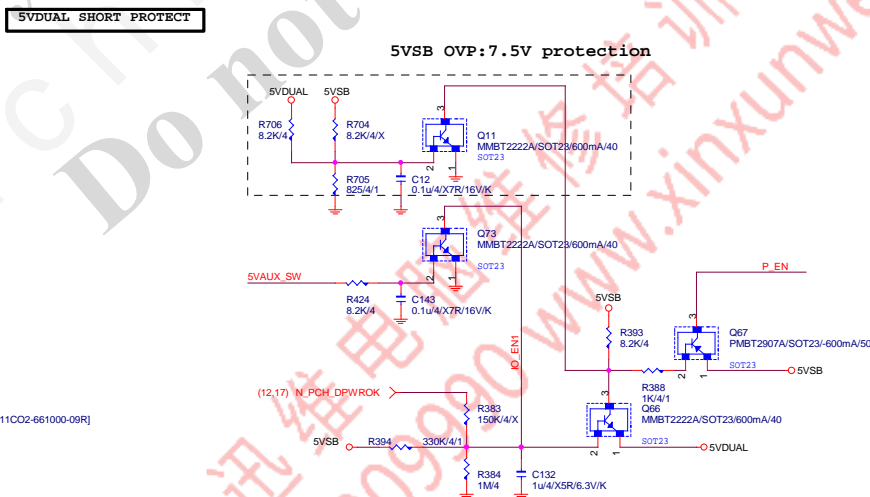
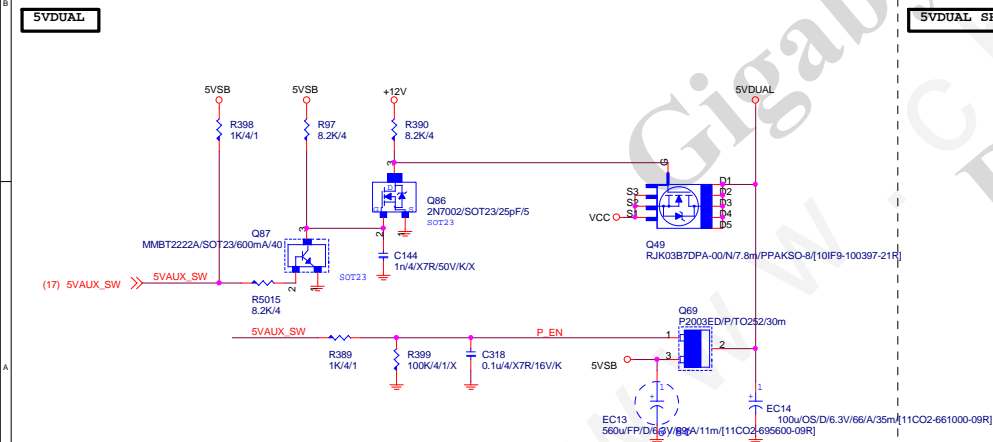
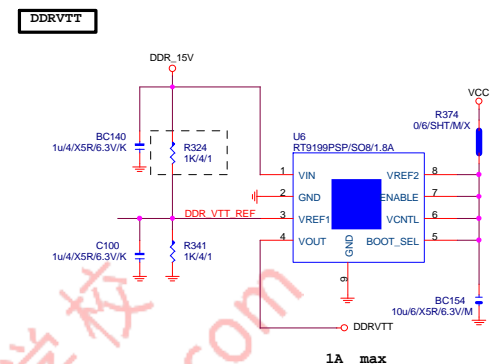
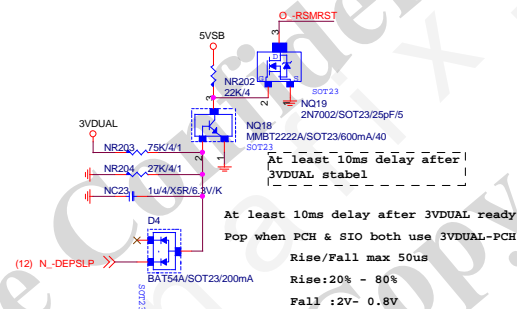
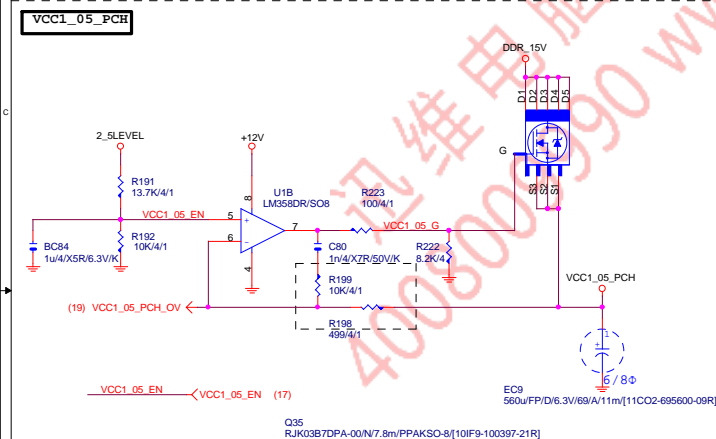
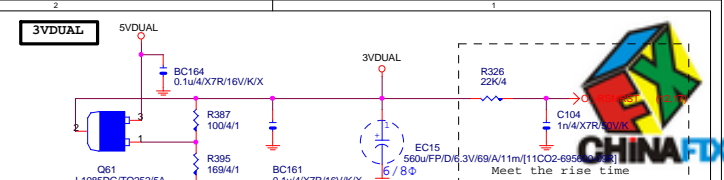
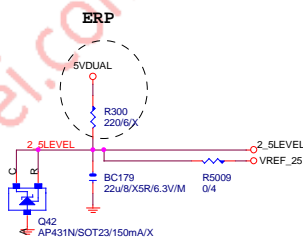
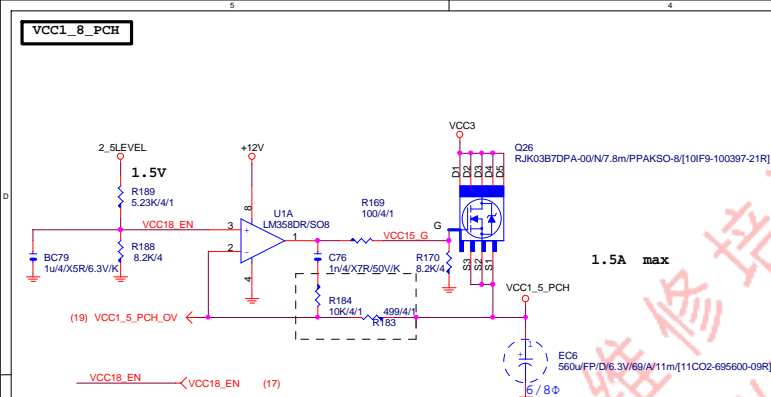
Gigabyte Technology			
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AUDIO JACK			
Size			
Custom			
Document Number			
GA-H81M-D2V			
Rev			
1.01			
Date:			
Friday, December 13, 2013			
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	RTL8111E
AVDD33	3.3V
DVDD33	3.3V
VDDREG	3.3V
DVDD10	1.05V



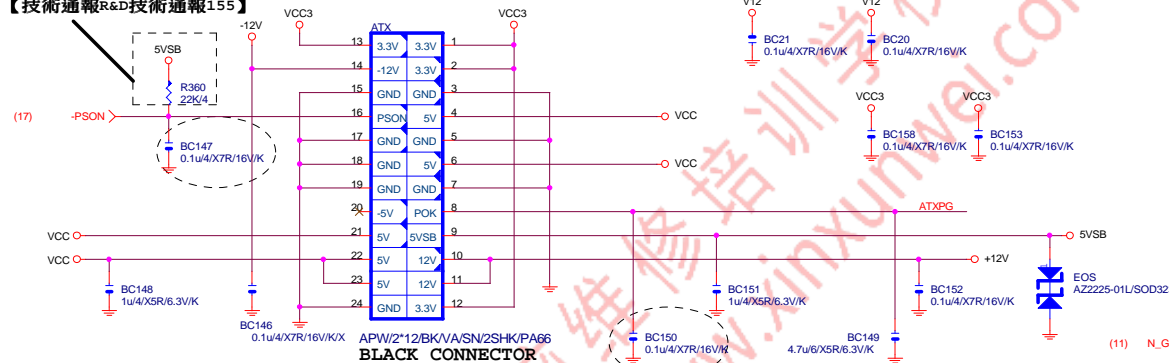
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Realtek RTL8111G			
Size	Document Number	GA-H81M-D2V	Rev
Custom			1.01
Date:	Friday, December 13, 2013	Sheet	24 of 33



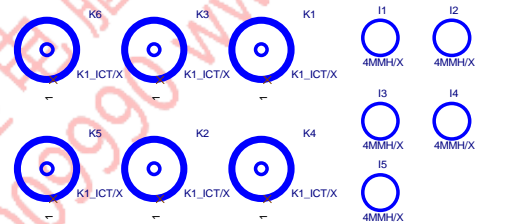
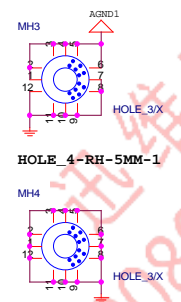
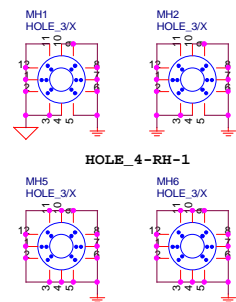
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Title			
DISCRETE POWER			
Size	Document Number	GA-H81M-D2V	Rev
Custom			1.01
Date:	Friday, December 13, 2013	Sheet	25 of 33

ATXX24 POWER CONNECTOR

【技術通報R&D技術通報155】



BLACK CONNECTOR

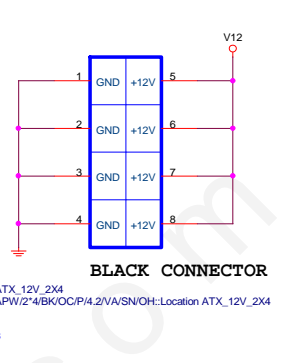
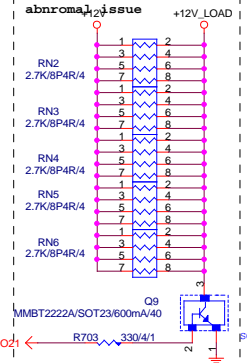


TPM

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ATXX4 POWER CONNECTOR

【技術通報R&D技術通報158】

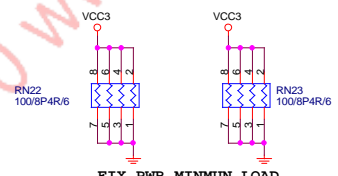
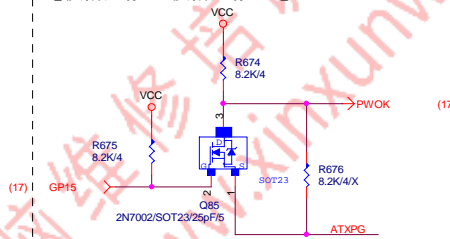


BLACK CONNECTOR

ATX_12V_2X4
APW/2'4BK/OC/P/4.2V/A/SN/OH: Location ATX_12V_2X4

PWOK PATCH

【技術通報R&D技術通報154】



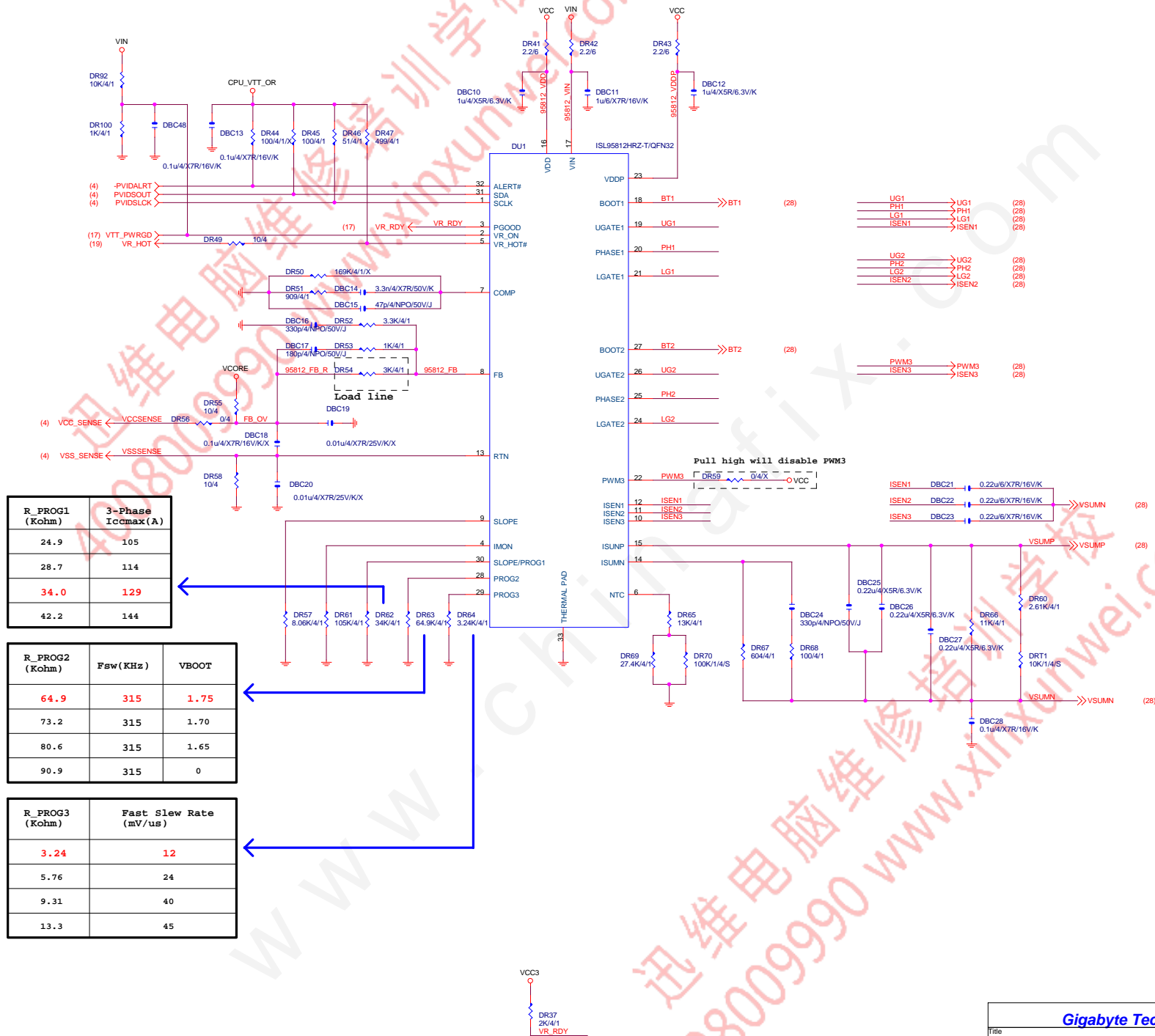
Gigabyte Technology

ATX CONNECTOR

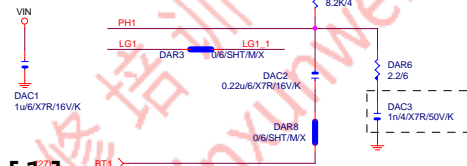
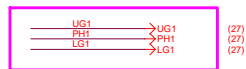
GA-H81M-D2V

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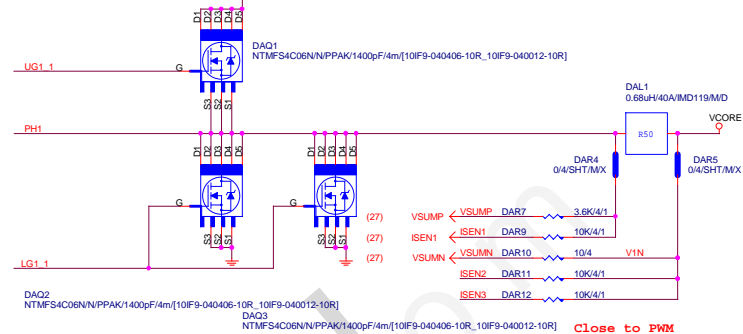




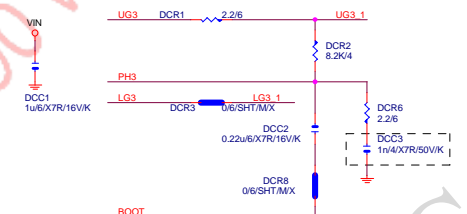
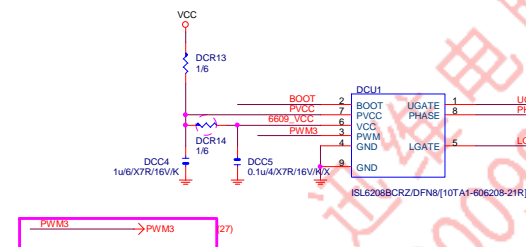
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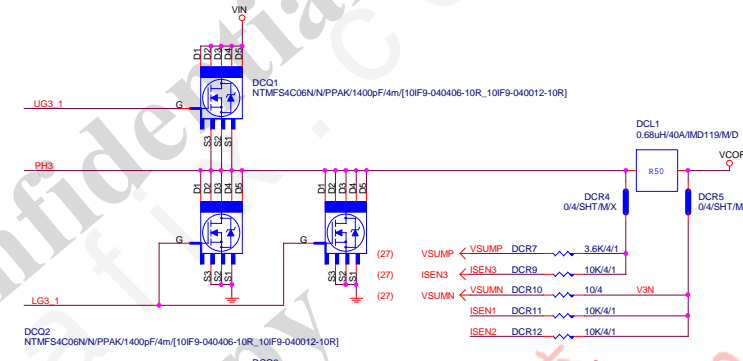
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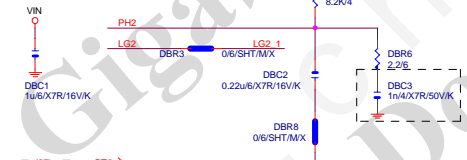
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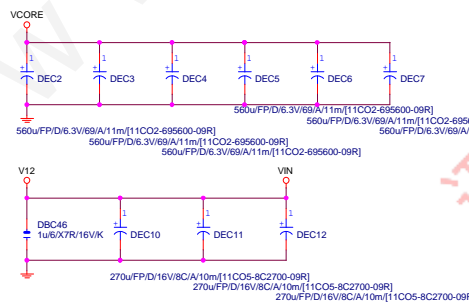
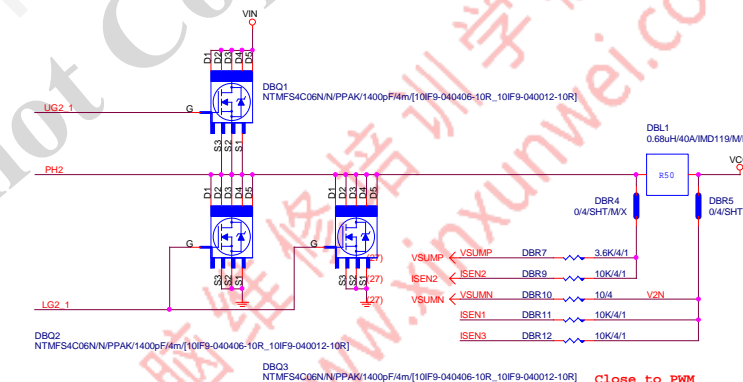
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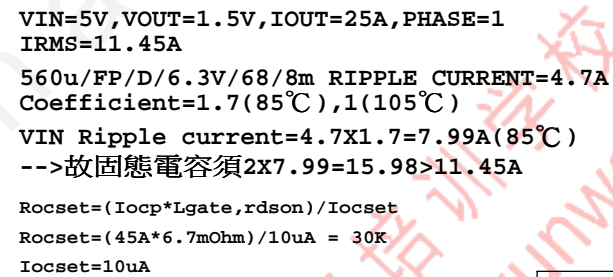


PHASE 2



[2]





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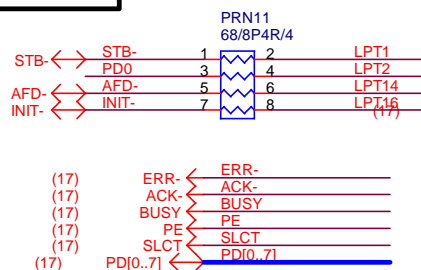
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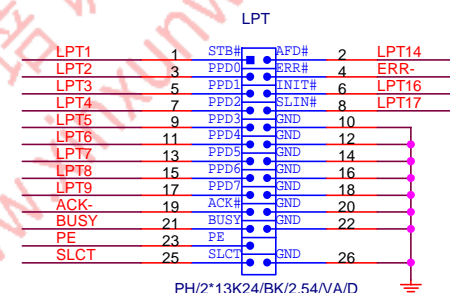
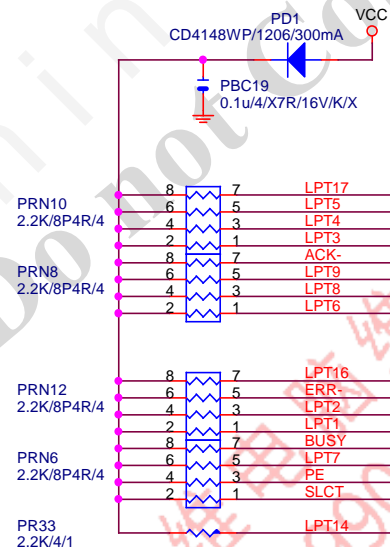
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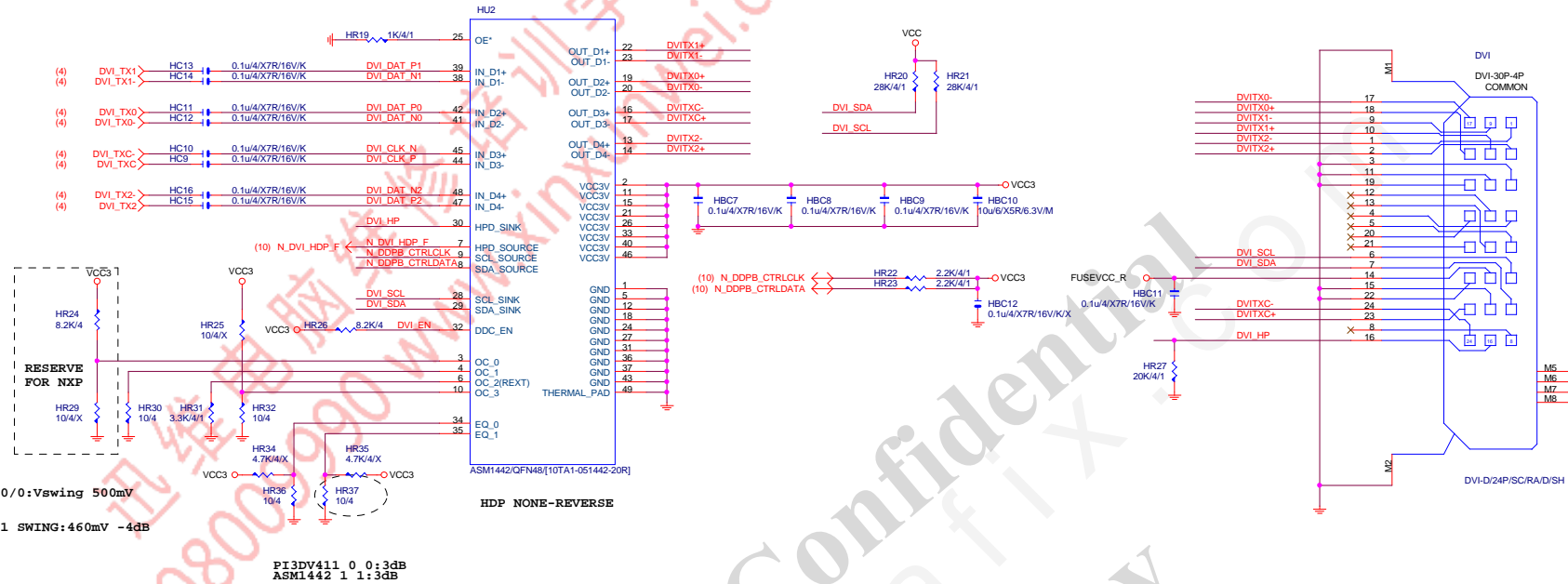
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