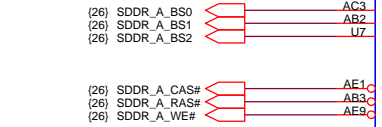
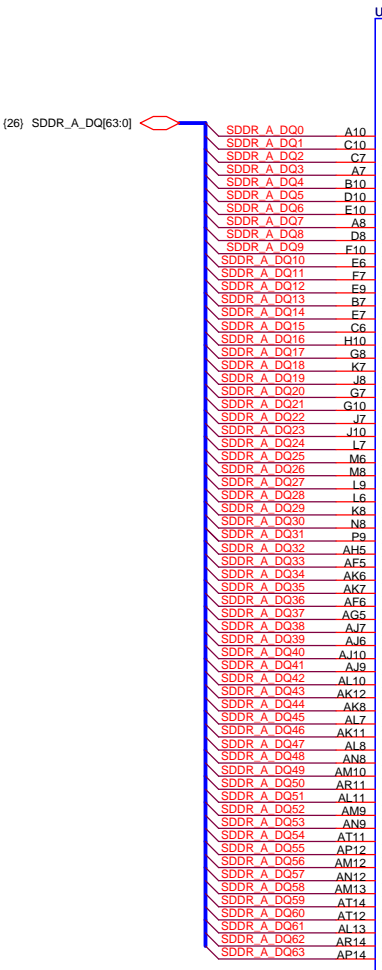
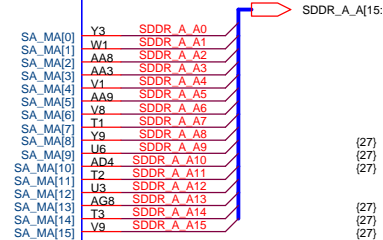
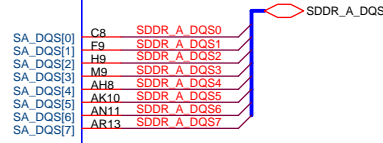
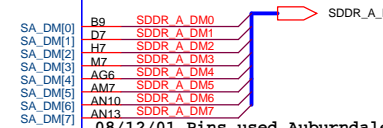
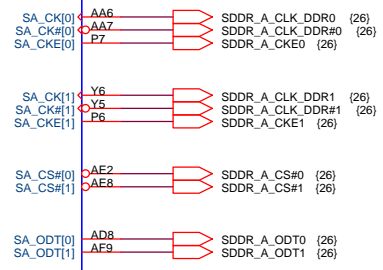


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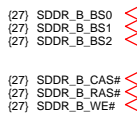


DDR SYSTEM MEMORY A

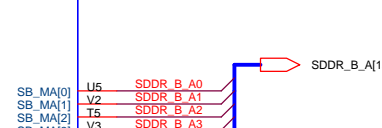
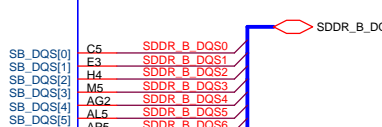
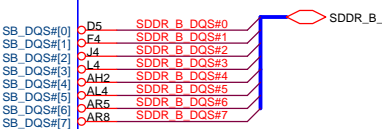
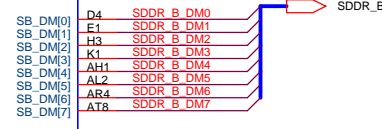
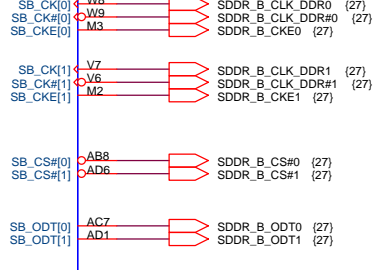
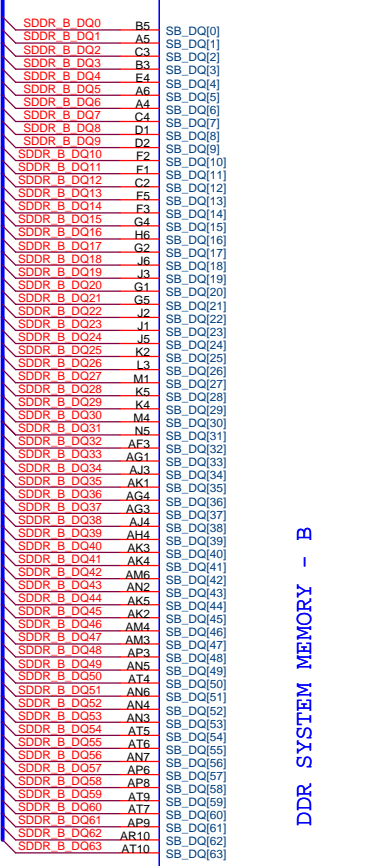


(26) SDDR_B_DQ[63:0]

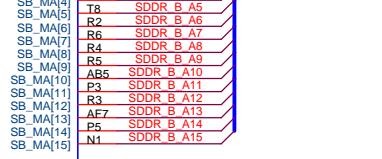
08/12/01 Pins used Auburndale Only
(Design Guide Page 79).



UX1D



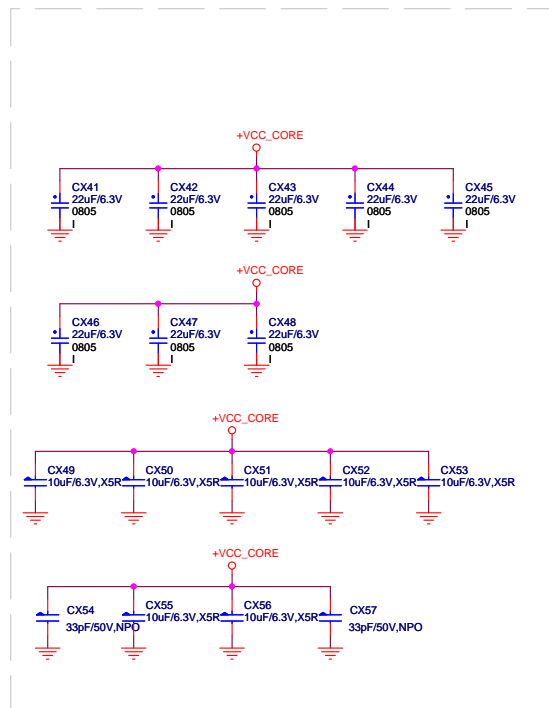
DDR SYSTEM MEMORY - B



PZ98927-3641-01F

PZ98927-3641-01F

FOR VCC:
12x 0805 22 F inside cavity,
7x 0805 10 F under cavity and 9 x 0805
10 F
between inductor and socket on top layer



+VCC_CORE

AG35 VCC1
AG34 VCC2
AG33 VCC3
AG32 VCC4
AG31 VCC5
AG30 VCC6
AG29 VCC7
AG28 VCC8
AG27 VCC9
AG26 VCC10
AF35 VCC11
AF34 VCC12
AF33 VCC13
AF32 VCC14
AF31 VCC15
AF30 VCC16
AF29 VCC17
AF28 VCC18
AF27 VCC19
AF26 VCC20
AD35 VCC21
AD34 VCC22
AD33 VCC23
AD32 VCC24
AD31 VCC25
AD30 VCC26
AD29 VCC27
AD28 VCC28
AD27 VCC29
AD26 VCC30
AC35 VCC31
AC34 VCC32
AC33 VCC33
AC32 VCC34
AC31 VCC35
AC30 VCC36
AC29 VCC37
AC28 VCC38
AC27 VCC39
AC26 VCC40
AA35 VCC41
AA34 VCC42
AA33 VCC43
AA32 VCC44
AA31 VCC45
AA30 VCC46
AA29 VCC47
AA28 VCC48
AA27 VCC49
AA26 VCC50
Y35 VCC51
Y34 VCC52
Y33 VCC53
Y32 VCC54
Y31 VCC55
Y30 VCC56
Y29 VCC57
Y28 VCC58
Y27 VCC59
Y26 VCC60
V35 VCC61
V34 VCC62
V33 VCC63
V32 VCC64
V31 VCC65
V30 VCC66
V29 VCC67
V28 VCC68
V27 VCC69
V26 VCC70
U35 VCC71
U34 VCC72
U33 VCC73
U32 VCC74
U31 VCC75
U30 VCC76
U29 VCC77
U28 VCC78
U27 VCC79
U26 VCC80
R35 VCC81
R34 VCC82
R33 VCC83
R32 VCC84
R31 VCC85
R30 VCC86
R29 VCC87
R28 VCC88
R27 VCC89
R26 VCC90
P35 VCC91
P34 VCC92
P33 VCC93
P32 VCC94
P31 VCC95
P30 VCC96
P29 VCC97
P28 VCC98
P27 VCC99
P26 VCC100

1.1V RAIL POWER

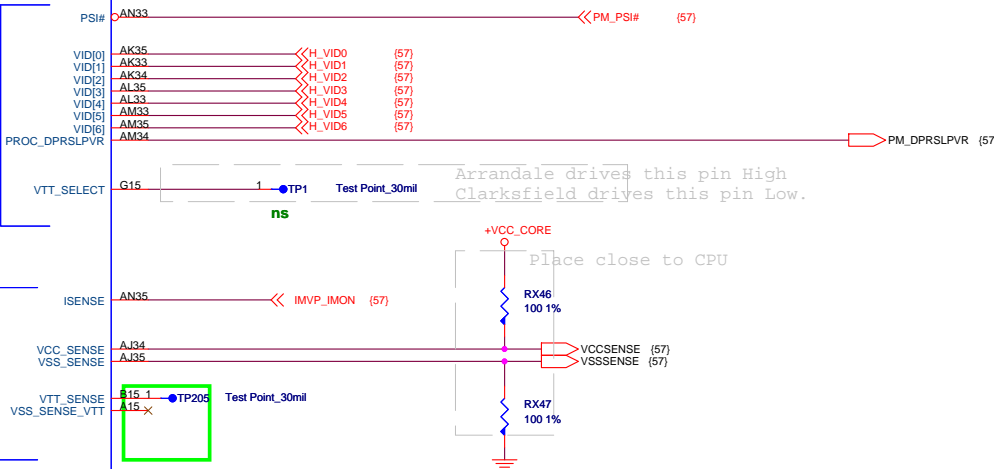
VTT0_1 AH14
VTT0_2 AH12
VTT0_3 AH11
VTT0_4 AH10
VTT0_5 J14
VTT0_6 J13
VTT0_7 H14
VTT0_8 H12
VTT0_9 G14
VTT0_10 G13
VTT0_11 G12
VTT0_12 G11
VTT0_13 F14
VTT0_14 F13
VTT0_15 F12
VTT0_16 F11
VTT0_17 E14
VTT0_18 E12
VTT0_19 D14
VTT0_20 D13
VTT0_21 D12
VTT0_22 D11
VTT0_23 C14
VTT0_24 C13
VTT0_25 C12
VTT0_26 C11
VTT0_27 B14
VTT0_28 B12
VTT0_29 A14
VTT0_30 A13
VTT0_31 A12
VTT0_32 A11

VTT0_33 AE10
VTT0_34 AE10
VTT0_35 AC10
VTT0_36 AB10
VTT0_37 Y10
VTT0_38 W10
VTT0_39 U10
VTT0_40 T10
VTT0_41 J12
VTT0_42 J11
VTT0_43 J16
VTT0_44 J15

CPU CORE SUPPLY

CPU VIDS

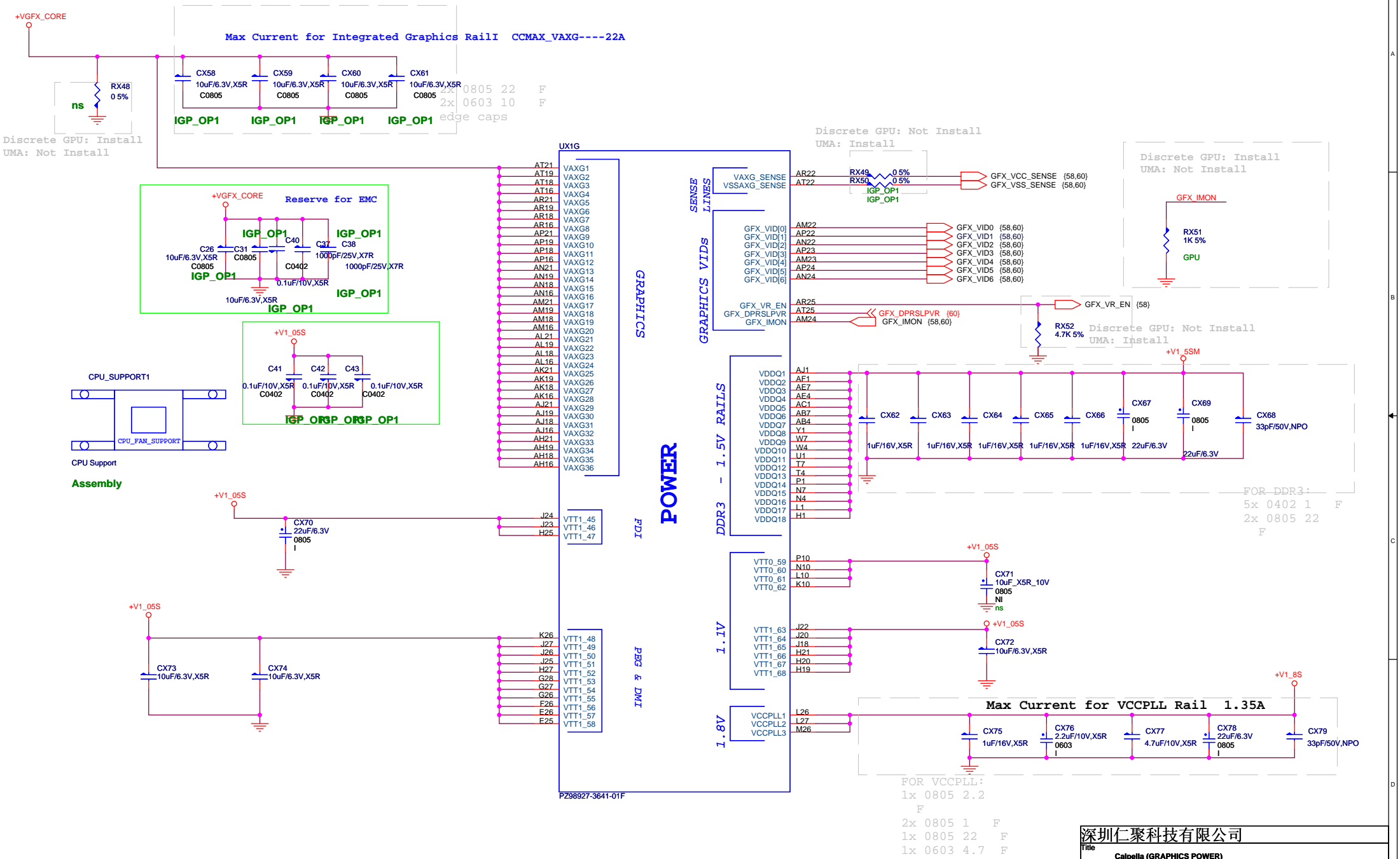
SENSE LINES

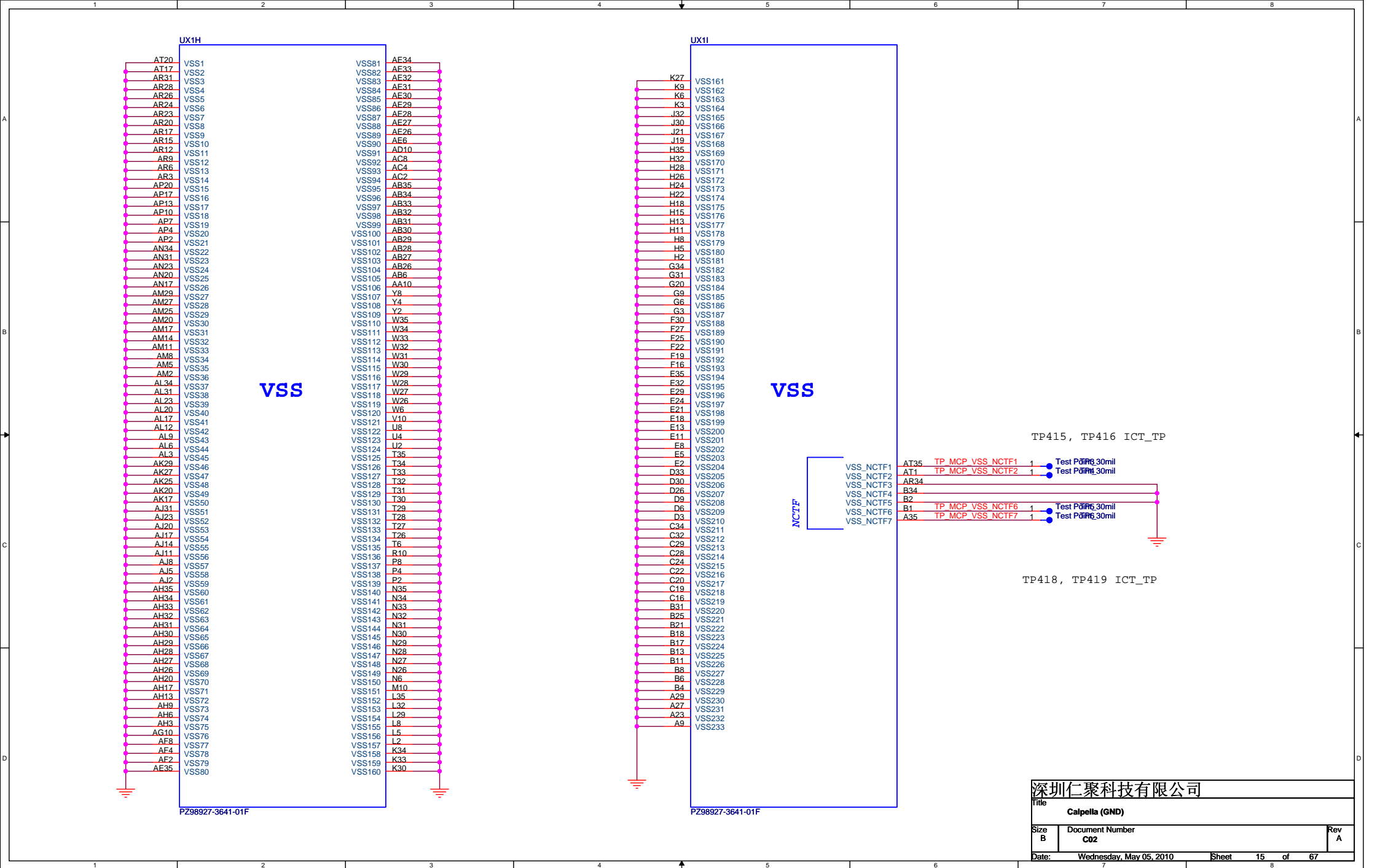


FOR VTT:
7x 0805 22 F under
cavity
8x 0805 10 F edge
caps

+V1_05S

CX34 10uF/6.3V,X5R
CX35 10uF/6.3V,X5R
CX36 10uF/6.3V,X5R
CX37 10uF/6.3V,X5R
CX38 10uF/6.3V,X5R





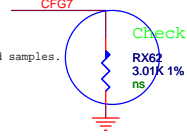
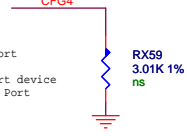
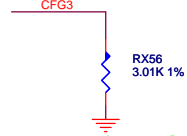
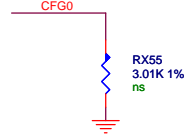
PCI Express Configuration Select
CFG0 1 : Single PBG
0 : Bifurcation enabled

CFG3 PCI Express Static Lane Reversal
CFG3 1 : Normal Operation
0 : Lane Numbers Reversed
15 -> 0 , 14 -> 1 , ...

CFG4 Display Port Presence
CFG4 1 : Disabled ; No Physical Display Port
attached to Embedded Display Port
0 : Enable ; An external Display Poert device
is connected to the Embedded Display Port

CFG7 Reserved - Temporarily used for early Clarksfield samples.
Clarksfield (only for early samples pre-ES1) -
Connect to GND with 3.01K Ohm/5% resistor

Only need stuff for early samples pre-ES1)



Test Point_30mil
TP15 1
Test Point_30mil
TP25 1

Test Point_30mil
TP28 1
Test Point_30mil
TP30 1

Test Point_30mil
TP33 1
Test Point_30mil
TP34 1

Test Point_30mil
TP36 1
Test Point_30mil
TP37 1
Test Point_30mil
TP38 1
Test Point_30mil
TP39 1
Test Point_30mil
TP40 1
Test Point_30mil
TP41 1
Test Point_30mil
TP42 1
Test Point_30mil
TP43 1
Test Point_30mil
TP44 1
Test Point_30mil
TP45 1
Test Point_30mil
TP47 1
Test Point_30mil
TP48 1

Test Point_30mil
TP51 1
Test Point_30mil
TP52 1

Test Point_30mil
TP54 1
Test Point_30mil
TP56 1

Test Point_30mil
TP59 1

Test Point_30mil
TP66 1

Test Point_30mil
TP72 1
Test Point_30mil
TP74 1

Test Point_30mil
TP77 1

Test Point_30mil
TP82 1

Test Point_30mil
TP15 1
Test Point_30mil
TP25 1

Test Point_30mil
TP28 1
Test Point_30mil
TP30 1

Test Point_30mil
TP33 1
Test Point_30mil
TP34 1

Test Point_30mil
TP36 1
Test Point_30mil
TP37 1
Test Point_30mil
TP38 1
Test Point_30mil
TP39 1
Test Point_30mil
TP40 1
Test Point_30mil
TP41 1
Test Point_30mil
TP42 1
Test Point_30mil
TP43 1
Test Point_30mil
TP44 1
Test Point_30mil
TP45 1
Test Point_30mil
TP47 1
Test Point_30mil
TP48 1

Test Point_30mil
TP51 1
Test Point_30mil
TP52 1

Test Point_30mil
TP54 1
Test Point_30mil
TP56 1

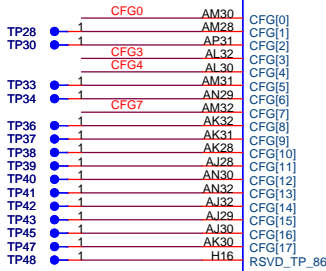
Test Point_30mil
TP59 1

Test Point_30mil
TP66 1

Test Point_30mil
TP72 1
Test Point_30mil
TP74 1

Test Point_30mil
TP77 1

Test Point_30mil
TP82 1



Test Point_30mil
TP51 1
Test Point_30mil
TP52 1

Test Point_30mil
TP54 1
Test Point_30mil
TP56 1

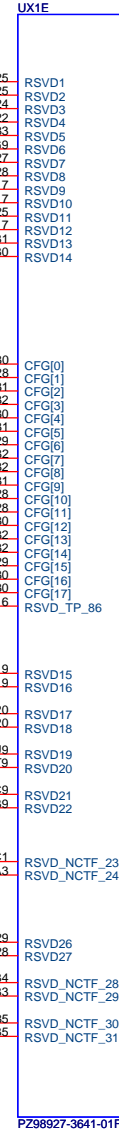
Test Point_30mil
TP59 1

Test Point_30mil
TP66 1

Test Point_30mil
TP72 1
Test Point_30mil
TP74 1

Test Point_30mil
TP77 1

Test Point_30mil
TP82 1



P298927-3641-01F

RESERVED

RSVD32 AJ13 1 TP7 Test Point_30mil
RSVD33 AJ12 1 TP8 Test Point_30mil

RSVD34 AH25 1 TP17 Test Point_30mil
RSVD35 AK26 1 TP11 Test Point_30mil

RSVD36 AL26 1 TP13 Test Point_30mil
RSVD_NCTF_37 AR2

RSVD38 AJ26 1 TP21 Test Point_30mil
RSVD39 AJ27 1 TP22 Test Point_30mil

RSVD_NCTF_40 AP1
RSVD_NCTF_41 AT2

RSVD_NCTF_42 AT3
RSVD_NCTF_43 AR1

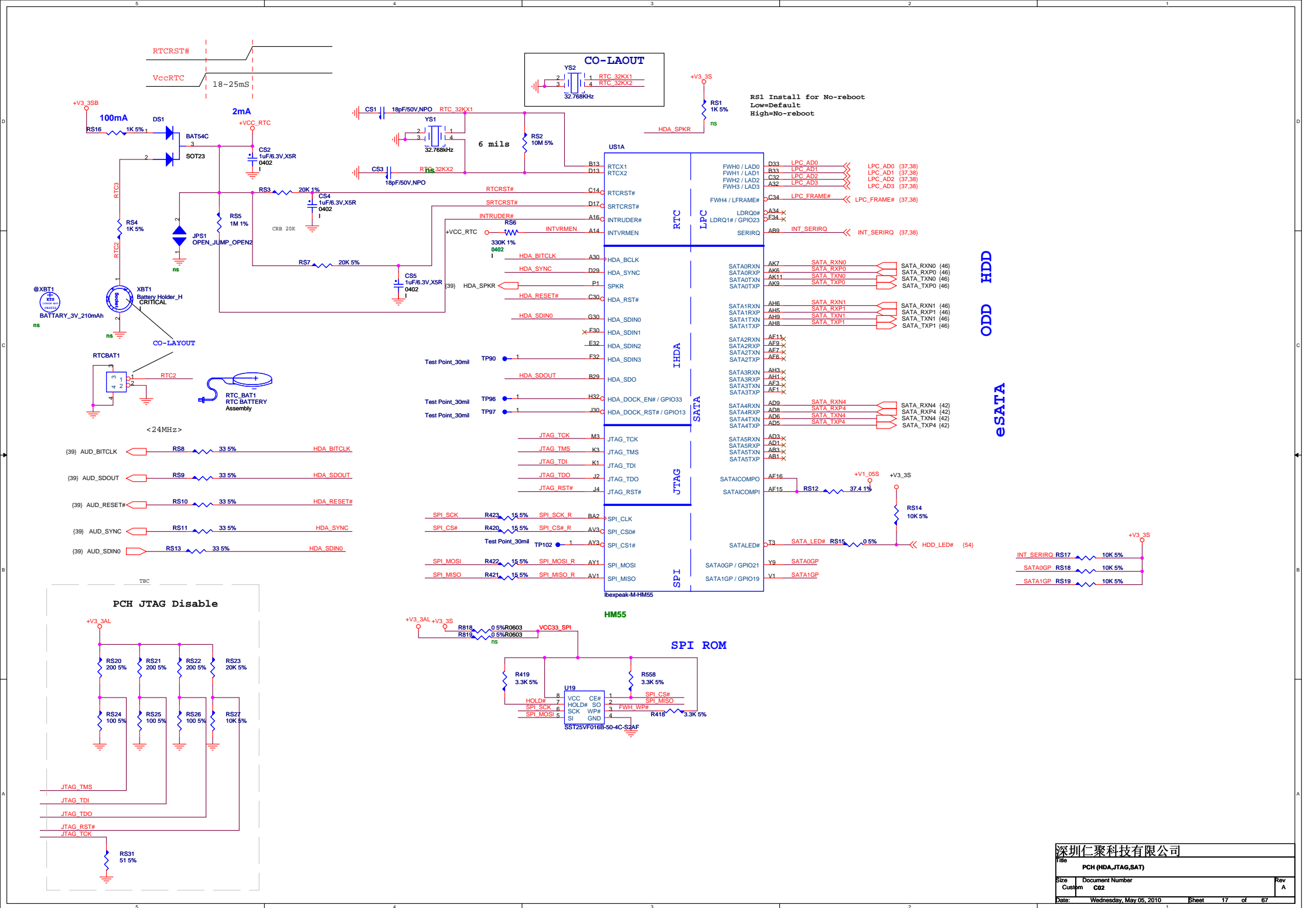
RSVD45 AL28
RSVD46 AL29
RSVD47 AP30
RSVD48 AP32
RSVD49 AL27 1 TP32 Test Point_30mil
RSVD50 AT31
RSVD51 AT32
RSVD52 AP33 1 TP35 Test Point_30mil
RSVD53 AR33
RSVD_NCTF_54 AT33
RSVD_NCTF_55 AT34
RSVD_NCTF_56 AP35
RSVD_NCTF_57 AR35
RSVD58 AR32

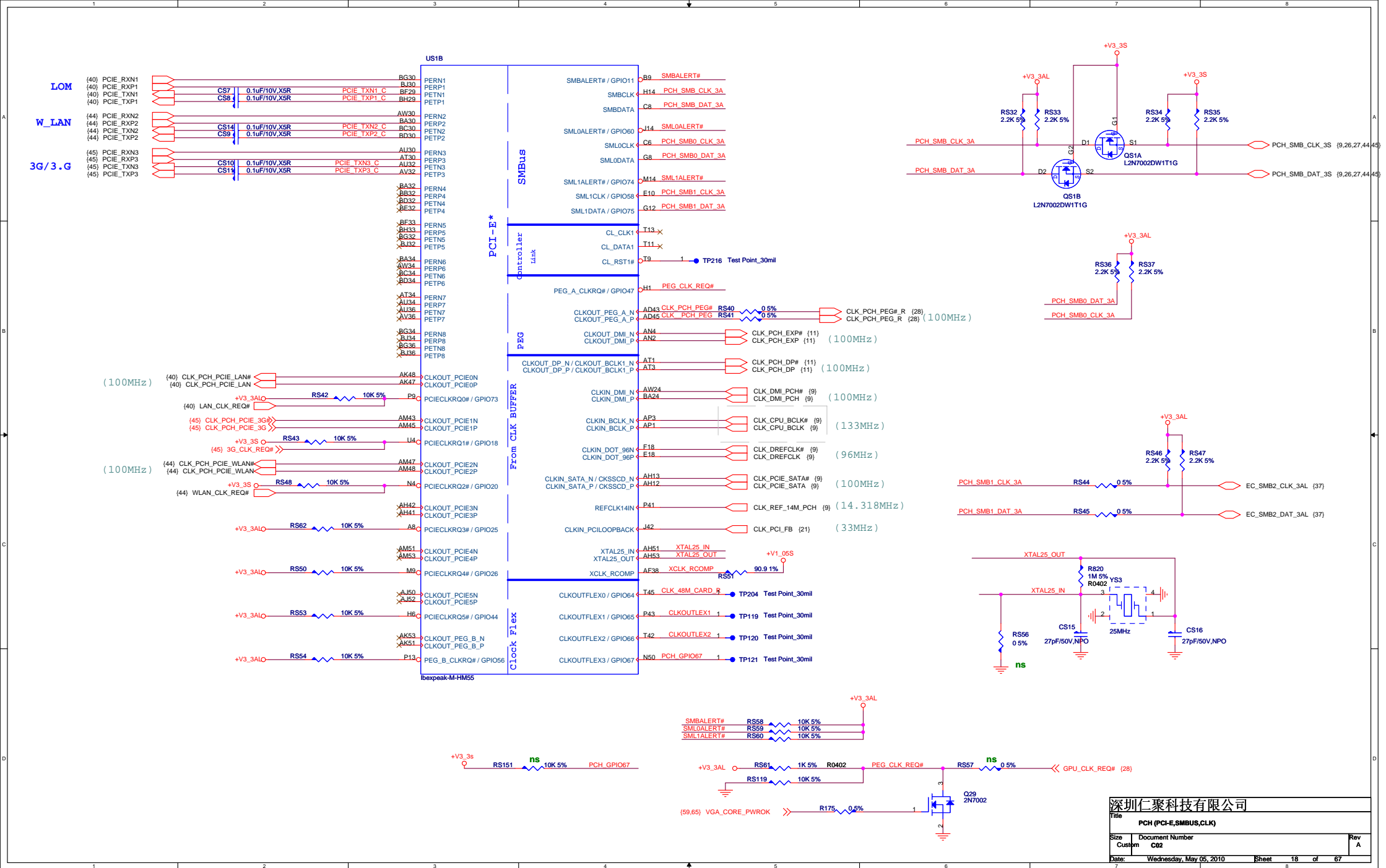
RSVD_TP_59 E15 1 TP44 Test Point_30mil
RSVD_TP_60 E15 1 TP46 Test Point_30mil
KEY A2
D15 1 TP49 Test Point_30mil
C15 1 TP50 Test Point_30mil
RSVD62 RX57 0.5% ns
RSVD63 RX58 0.5% ns
RSVD64 RX57 0.5% ns
RSVD65 RX58 0.5% ns

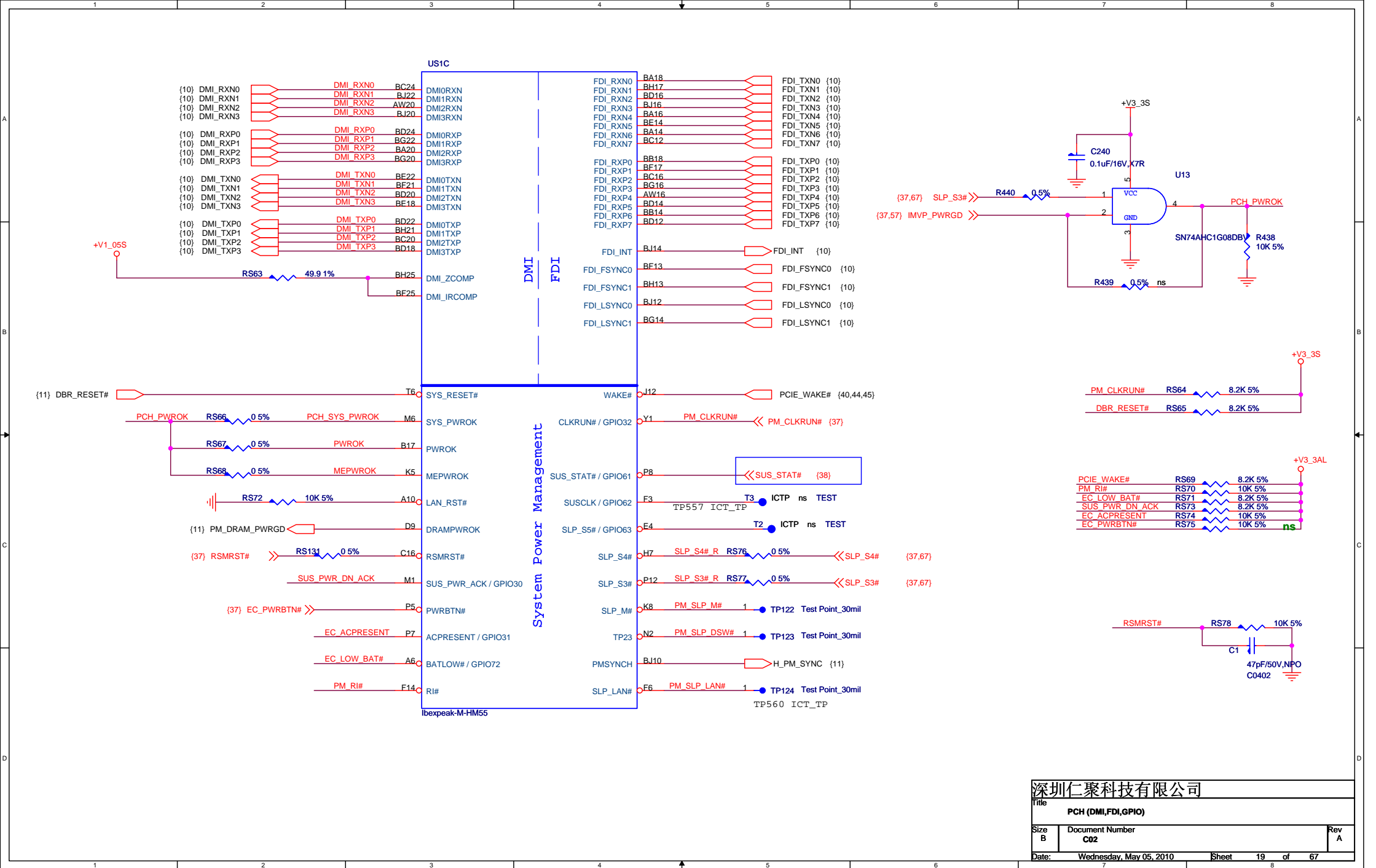
RSVD_TP_66 AA5
RSVD_TP_67 AA4
RSVD_TP_68 R8
RSVD_TP_69 AD3
RSVD_TP_70 AD2
RSVD_TP_71 AD2
RSVD_TP_72 AA1
RSVD_TP_73 R9
RSVD_TP_74 AG7 1 TP64 Test Point_30mil
RSVD_TP_75 AE3 1 TP65 Test Point_30mil
1 TP67 Test Point_30mil

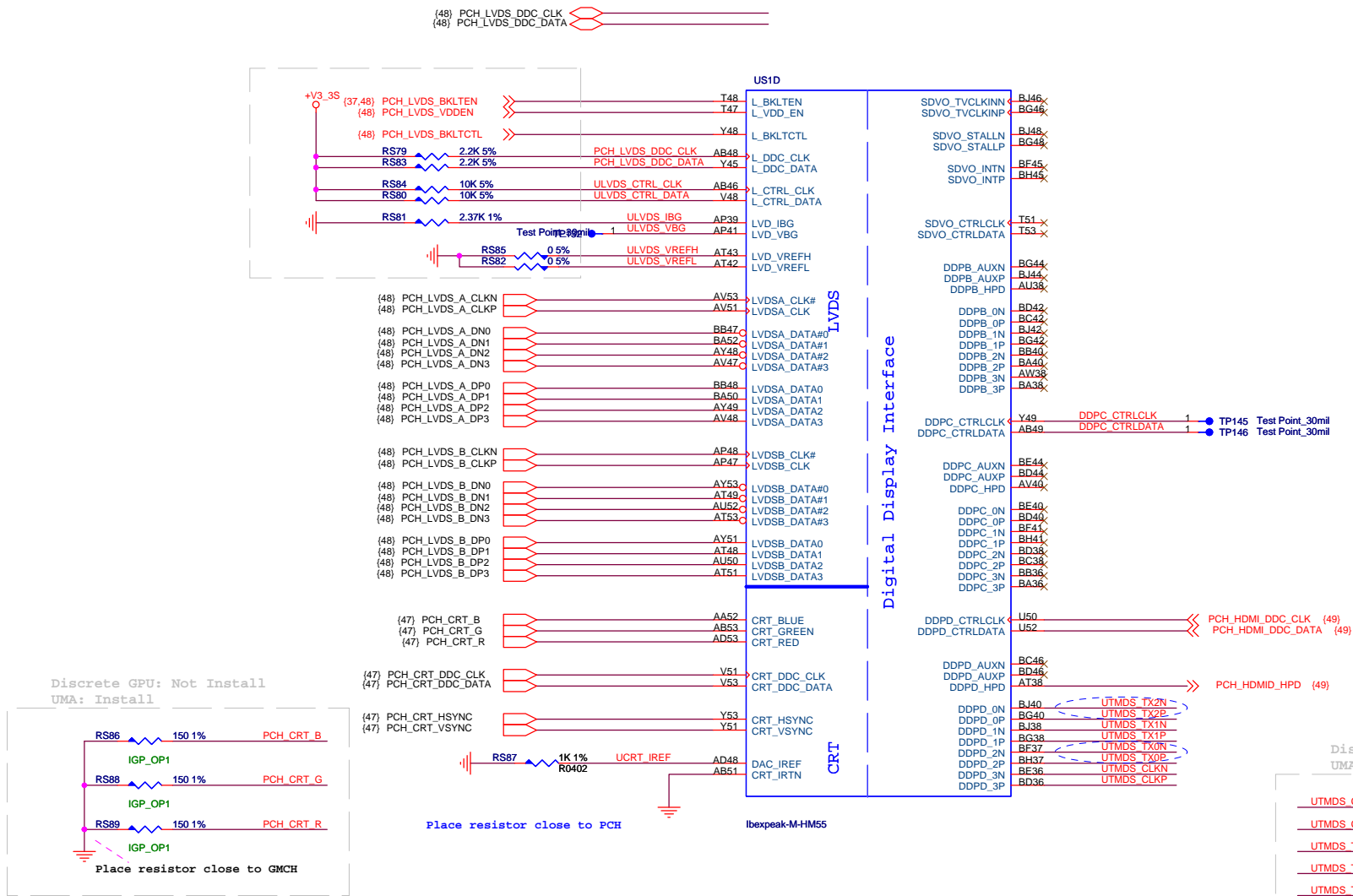
RSVD_TP_76 V4
RSVD_TP_77 V5
RSVD_TP_78 N2
RSVD_TP_79 AD5
RSVD_TP_80 AD7
RSVD_TP_81 W3
RSVD_TP_82 W2
RSVD_TP_83 N3 1 TP80 Test Point_30mil
RSVD_TP_84 AE5 1 TP81 Test Point_30mil
RSVD_TP_85 AD9 1 TP83 Test Point_30mil

VSS AP34



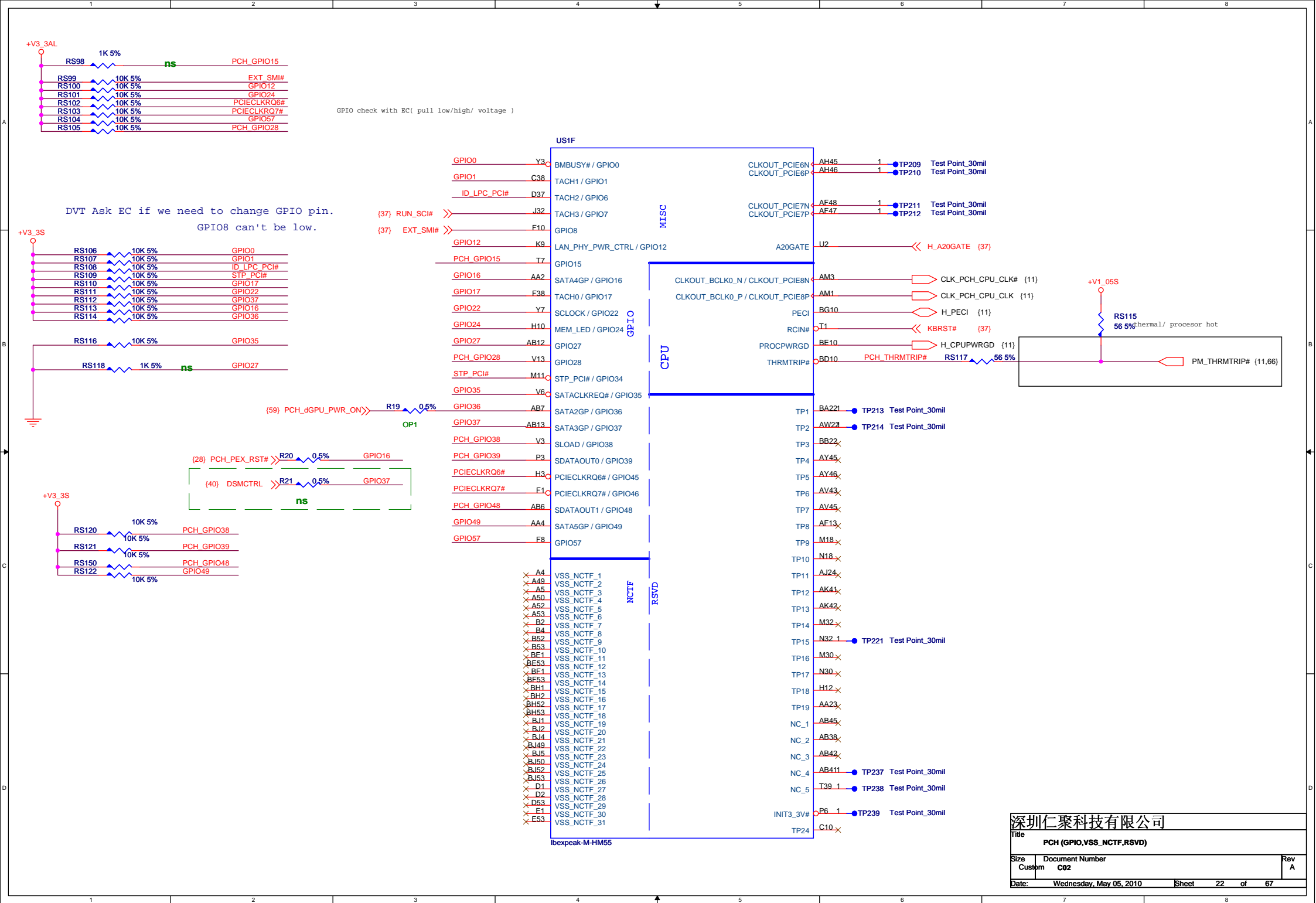






深圳仁聚科技有限公司

Title				
PCH (LVDS,DDI)				
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US11

AY7	VSS[159]	VSS[259]	H49
B11	VSS[160]	VSS[260]	H5
B15	VSS[161]	VSS[261]	J24
B19	VSS[162]	VSS[262]	K11
B23	VSS[163]	VSS[263]	K43
B31	VSS[163]	VSS[263]	K47
B35	VSS[164]	VSS[264]	K7
B39	VSS[165]	VSS[265]	L14
B43	VSS[166]	VSS[266]	L18
B47	VSS[167]	VSS[267]	L2
B7	VSS[168]	VSS[268]	L22
BC12	VSS[169]	VSS[269]	L32
BB12	VSS[170]	VSS[270]	L36
BB16	VSS[171]	VSS[271]	L40
BB20	VSS[172]	VSS[272]	L62
BB24	VSS[173]	VSS[273]	L62
BB24	VSS[174]	VSS[274]	M12
BB30	VSS[175]	VSS[275]	M16
BB34	VSS[176]	VSS[276]	M20
BB38	VSS[177]	VSS[277]	M34
BB42	VSS[178]	VSS[278]	M38
BB49	VSS[179]	VSS[279]	M42
BB5	VSS[180]	VSS[280]	M46
BC10	VSS[181]	VSS[281]	M49
BC14	VSS[182]	VSS[282]	M5
BC18	VSS[183]	VSS[283]	M8
BC2	VSS[184]	VSS[284]	N24
BC22	VSS[185]	VSS[285]	P11
BC32	VSS[186]	VSS[286]	AD15
BC36	VSS[187]	VSS[287]	P22
BC40	VSS[188]	VSS[288]	P30
BC44	VSS[189]	VSS[289]	P32
BC52	VSS[190]	VSS[290]	P34
BH9	VSS[191]	VSS[291]	P42
BD48	VSS[192]	VSS[292]	P45
BD49	VSS[193]	VSS[293]	P47
BD5	VSS[194]	VSS[294]	R2
BE12	VSS[195]	VSS[295]	R52
BE16	VSS[196]	VSS[296]	T12
BE20	VSS[197]	VSS[297]	T41
BE24	VSS[198]	VSS[298]	T46
BE30	VSS[199]	VSS[299]	T49
BE34	VSS[200]	VSS[300]	T5
BE38	VSS[201]	VSS[301]	T8
BE42	VSS[202]	VSS[302]	U30
BE46	VSS[203]	VSS[303]	U31
BE48	VSS[204]	VSS[304]	U32
BE50	VSS[205]	VSS[305]	U34
BE6	VSS[206]	VSS[306]	P38
BE8	VSS[207]	VSS[307]	V11
BE3	VSS[208]	VSS[308]	P16
BE49	VSS[209]	VSS[309]	V19
BE51	VSS[210]	VSS[310]	V20
BG18	VSS[211]	VSS[311]	V22
BG24	VSS[212]	VSS[312]	V30
BG4	VSS[213]	VSS[313]	V31
BG50	VSS[214]	VSS[314]	V32
BH11	VSS[215]	VSS[315]	V34
BH15	VSS[216]	VSS[316]	V35
BH19	VSS[217]	VSS[317]	V38
BH23	VSS[218]	VSS[318]	V43
BH31	VSS[219]	VSS[319]	V45
BH35	VSS[220]	VSS[320]	V46
BH39	VSS[221]	VSS[321]	V47
BH43	VSS[222]	VSS[322]	V49
BH47	VSS[223]	VSS[323]	V5
BH7	VSS[224]	VSS[324]	V7
C12	VSS[225]	VSS[325]	V8
C50	VSS[226]	VSS[326]	W2
D51	VSS[227]	VSS[327]	W52
E12	VSS[228]	VSS[328]	Y11
E16	VSS[229]	VSS[329]	Y12
E20	VSS[230]	VSS[330]	Y15
E24	VSS[231]	VSS[331]	Y19
E30	VSS[232]	VSS[332]	Y23
E34	VSS[233]	VSS[333]	Y28
E38	VSS[234]	VSS[334]	Y30
E42	VSS[235]	VSS[335]	Y31
E46	VSS[236]	VSS[336]	Y32
E48	VSS[237]	VSS[337]	Y38
E6	VSS[238]	VSS[338]	Y43
E8	VSS[239]	VSS[339]	Y46
F49	VSS[240]	VSS[340]	Y49
F5	VSS[241]	VSS[341]	Y5
G10	VSS[242]	VSS[342]	Y6
G14	VSS[243]	VSS[343]	Y8
G18	VSS[244]	VSS[344]	P24
G2	VSS[245]	VSS[345]	T43
G22	VSS[246]	VSS[346]	AD51
G32	VSS[247]	VSS[347]	AT3
G36	VSS[248]	VSS[348]	AD47
G40	VSS[249]	VSS[349]	Y47
G44	VSS[250]	VSS[350]	AT12
G52	VSS[251]	VSS[351]	AM6
AF39	VSS[252]	VSS[352]	AT13
H16	VSS[253]	VSS[353]	AM5
H20	VSS[254]	VSS[354]	AK45
H30	VSS[255]	VSS[355]	AK39
H34	VSS[256]	VSS[356]	AV14
H38	VSS[257]	VSS[356]	
H42	VSS[258]	VSS[366]	

ibexpeak-M-HM55

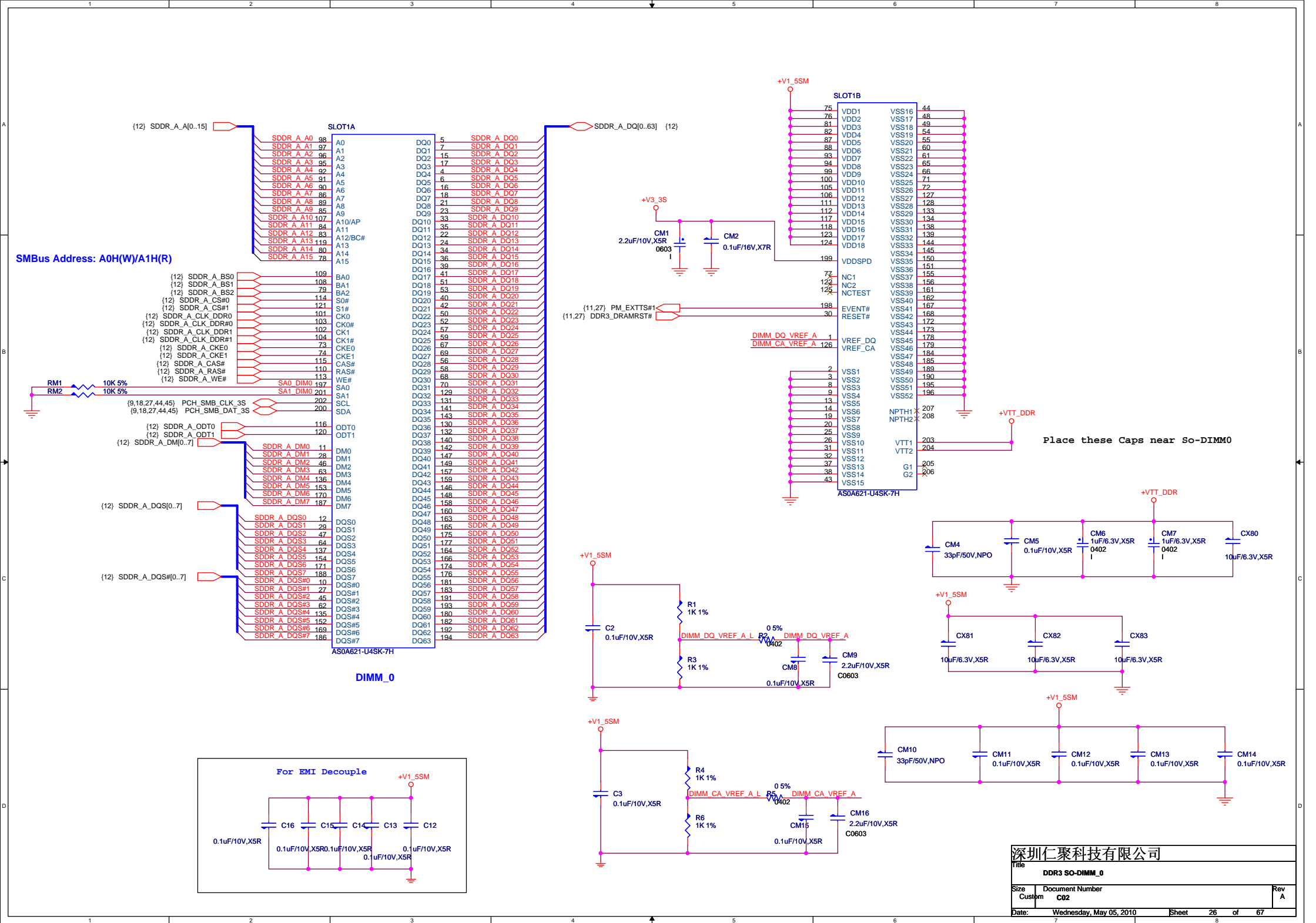
US1H

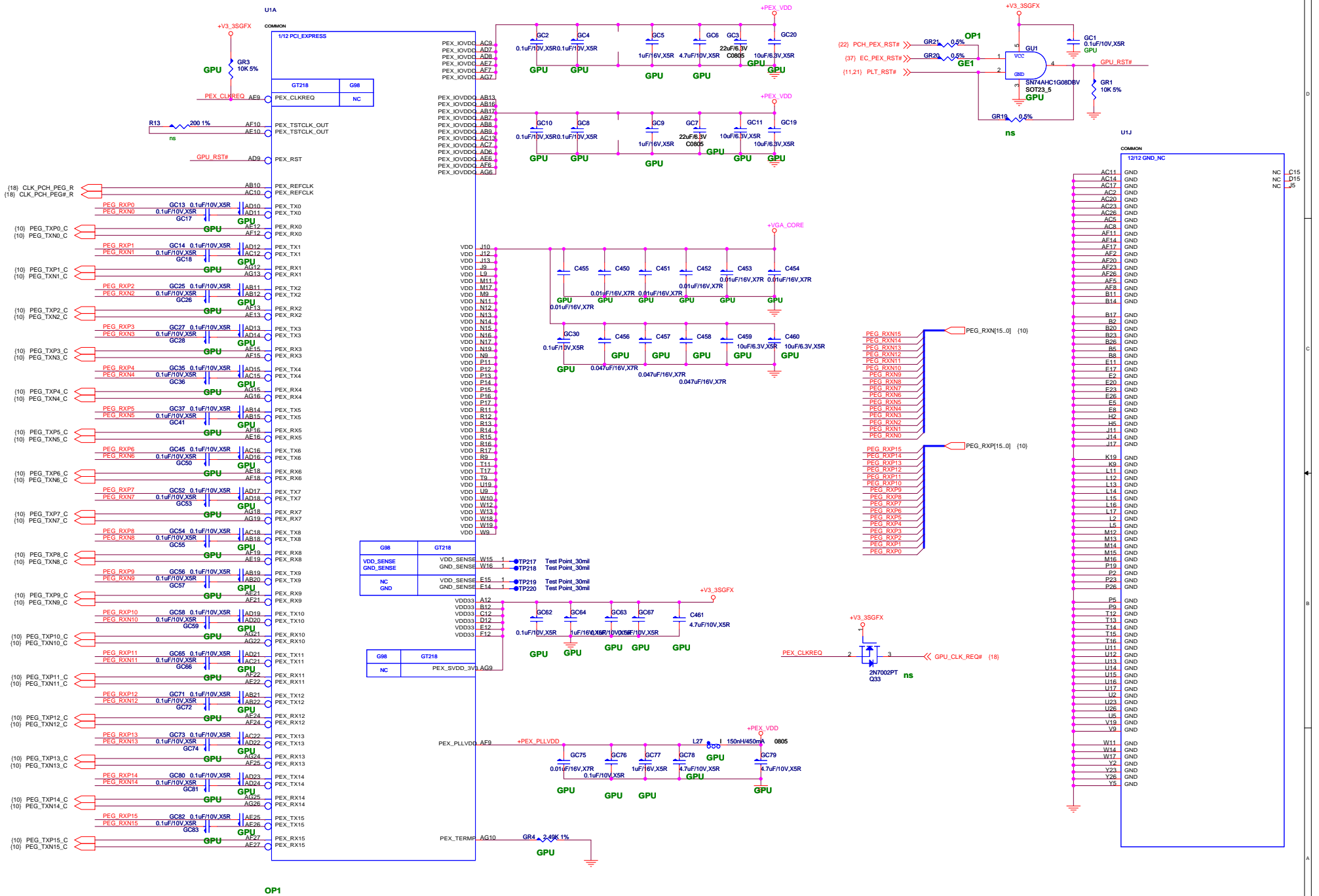
AB16	VSS[0]		
AA19	VSS[1]	VSS[80]	AK30
AA20	VSS[2]	VSS[81]	AK31
AA22	VSS[3]	VSS[82]	AK32
AA19	VSS[4]	VSS[83]	AK33
AA24	VSS[5]	VSS[84]	AK35
AA26	VSS[6]	VSS[85]	AK38
AA28	VSS[7]	VSS[86]	AK43
AA30	VSS[8]	VSS[87]	AK46
AA31	VSS[9]	VSS[88]	AK49
AA32	VSS[10]	VSS[89]	AK5
AB11	VSS[11]	VSS[90]	AK8
AB15	VSS[12]	VSS[91]	AL2
AB23	VSS[13]	VSS[92]	AL52
AB30	VSS[14]	VSS[93]	AM11
AB31	VSS[15]	VSS[94]	BB44
AB32	VSS[16]	VSS[95]	AD24
AB39	VSS[17]	VSS[96]	AM20
AB43	VSS[18]	VSS[97]	AM22
AB47	VSS[19]	VSS[98]	AM24
AB5	VSS[20]	VSS[99]	AM26
AB8	VSS[21]	VSS[100]	AM28
AC2	VSS[22]	VSS[101]	BA42
AC52	VSS[23]	VSS[102]	AM30
AD11	VSS[24]	VSS[103]	AM31
AD12	VSS[25]	VSS[104]	AM32
AD16	VSS[26]	VSS[105]	AM34
AD23	VSS[27]	VSS[106]	AM35
AD30	VSS[28]	VSS[107]	AM38
AD31	VSS[29]	VSS[108]	AM39
AD32	VSS[30]	VSS[109]	AM42
AD34	VSS[31]	VSS[110]	AU20
AU22	VSS[32]	VSS[111]	AM46
AD42	VSS[33]	VSS[112]	AV22
AD46	VSS[34]	VSS[113]	AM49
AD49	VSS[35]	VSS[114]	AM7
AD7	VSS[36]	VSS[115]	AA50
AE2	VSS[37]	VSS[116]	BB10
AE4	VSS[38]	VSS[117]	AN32
AE12	VSS[39]	VSS[118]	AN50
Y13	VSS[40]	VSS[119]	AN52
AH49	VSS[41]	VSS[120]	AP12
T8	VSS[42]	VSS[121]	AP42
AF35	VSS[43]	VSS[122]	AP46
AP13	VSS[44]	VSS[123]	AP49
AN34	VSS[45]	VSS[124]	AP5
AF45	VSS[46]	VSS[125]	AP8
AF46	VSS[47]	VSS[126]	AR2
AF49	VSS[48]	VSS[127]	AR52
AF5	VSS[49]	VSS[128]	AT11
AF8	VSS[50]	VSS[129]	BA12
AG2	VSS[51]	VSS[130]	AH48
AG52	VSS[52]	VSS[131]	AT32
AH11	VSS[53]	VSS[132]	AT36
AH15	VSS[54]	VSS[133]	AT41
AH16	VSS[55]	VSS[134]	AT47
AH24	VSS[56]	VSS[135]	AT7
AH32	VSS[57]	VSS[136]	AV12
AV18	VSS[58]	VSS[137]	AV16
AH43	VSS[59]	VSS[138]	AV20
AH47	VSS[60]	VSS[139]	AV24
AH7	VSS[61]	VSS[140]	AV30
AJ2	VSS[62]	VSS[141]	AV34
AJ20	VSS[63]	VSS[142]	AV38
AJ22	VSS[64]	VSS[143]	AV42
AJ23	VSS[65]	VSS[144]	AV46
AJ26	VSS[66]	VSS[145]	AV49
AJ28	VSS[67]	VSS[146]	AV5
AJ32	VSS[68]	VSS[147]	AV8
AJ34	VSS[69]	VSS[148]	AW14
AT5	VSS[70]	VSS[149]	AW18
AJ4	VSS[71]	VSS[150]	AW2
AK12	VSS[72]	VSS[151]	BF9
AK12	VSS[73]	VSS[152]	AW32
AK19	VSS[74]	VSS[153]	AW36
AK26	VSS[75]	VSS[154]	AW40
AK22	VSS[76]	VSS[155]	AW52
AK23	VSS[77]	VSS[156]	AY11
AK28	VSS[78]	VSS[157]	AY43
	VSS[79]	VSS[158]	AY47

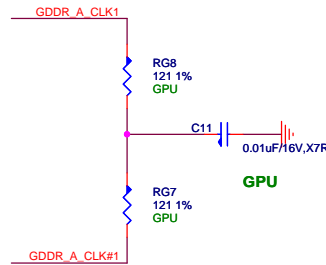
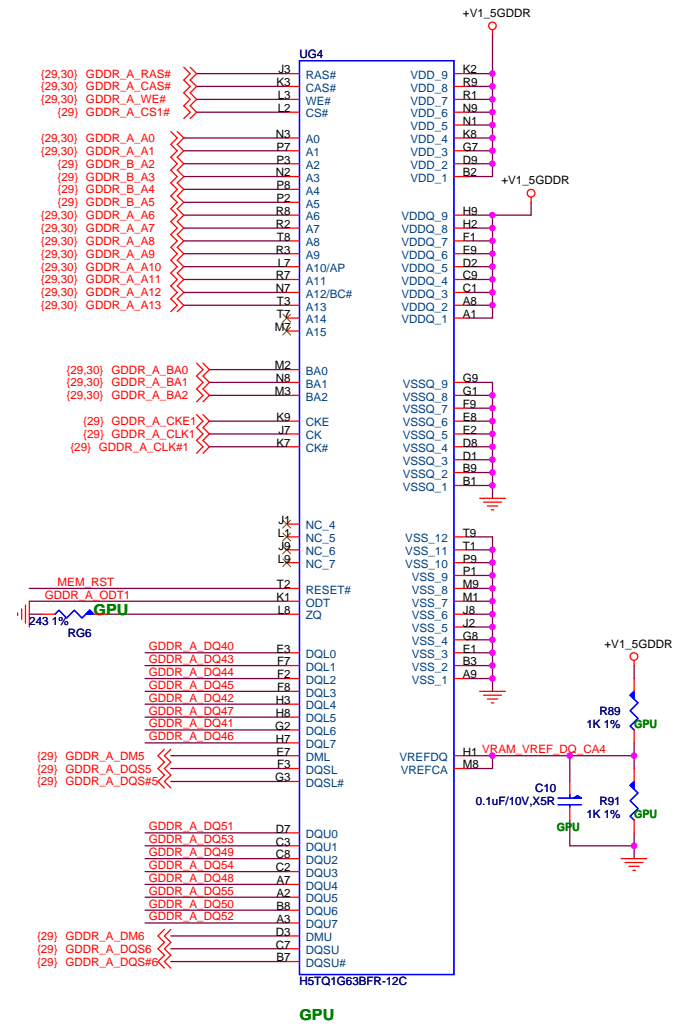
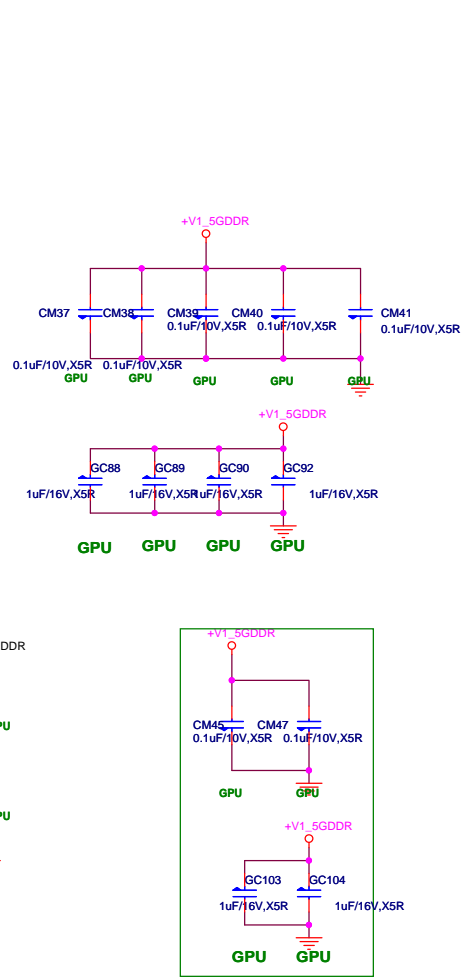
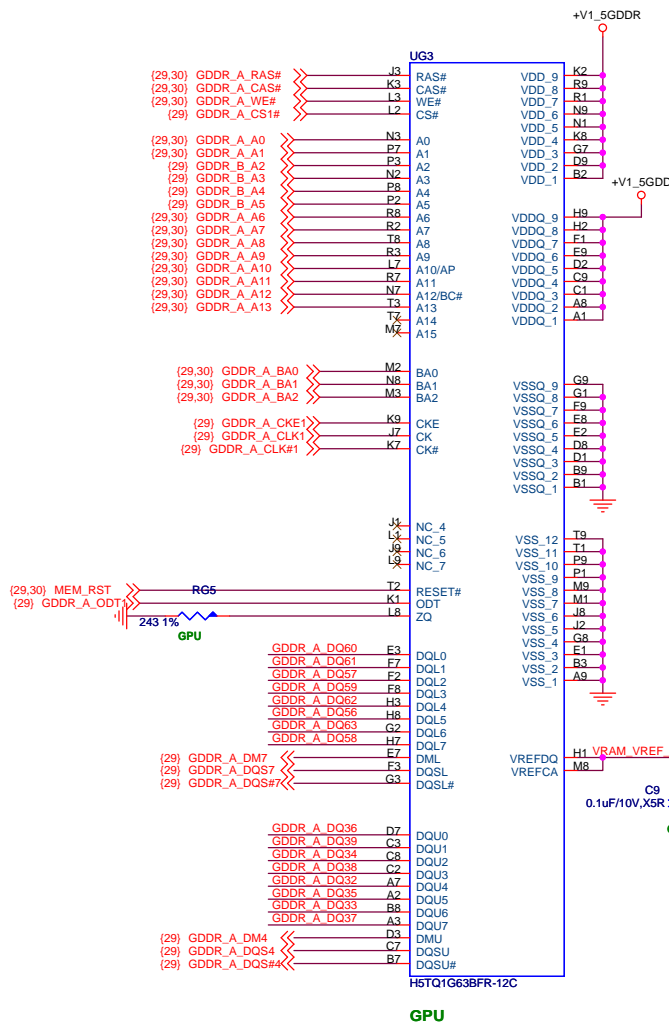
ibexpeak-M-HM55

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Title				PCH (VSS)	
Size	Custom	Document Number	C02		Rev A
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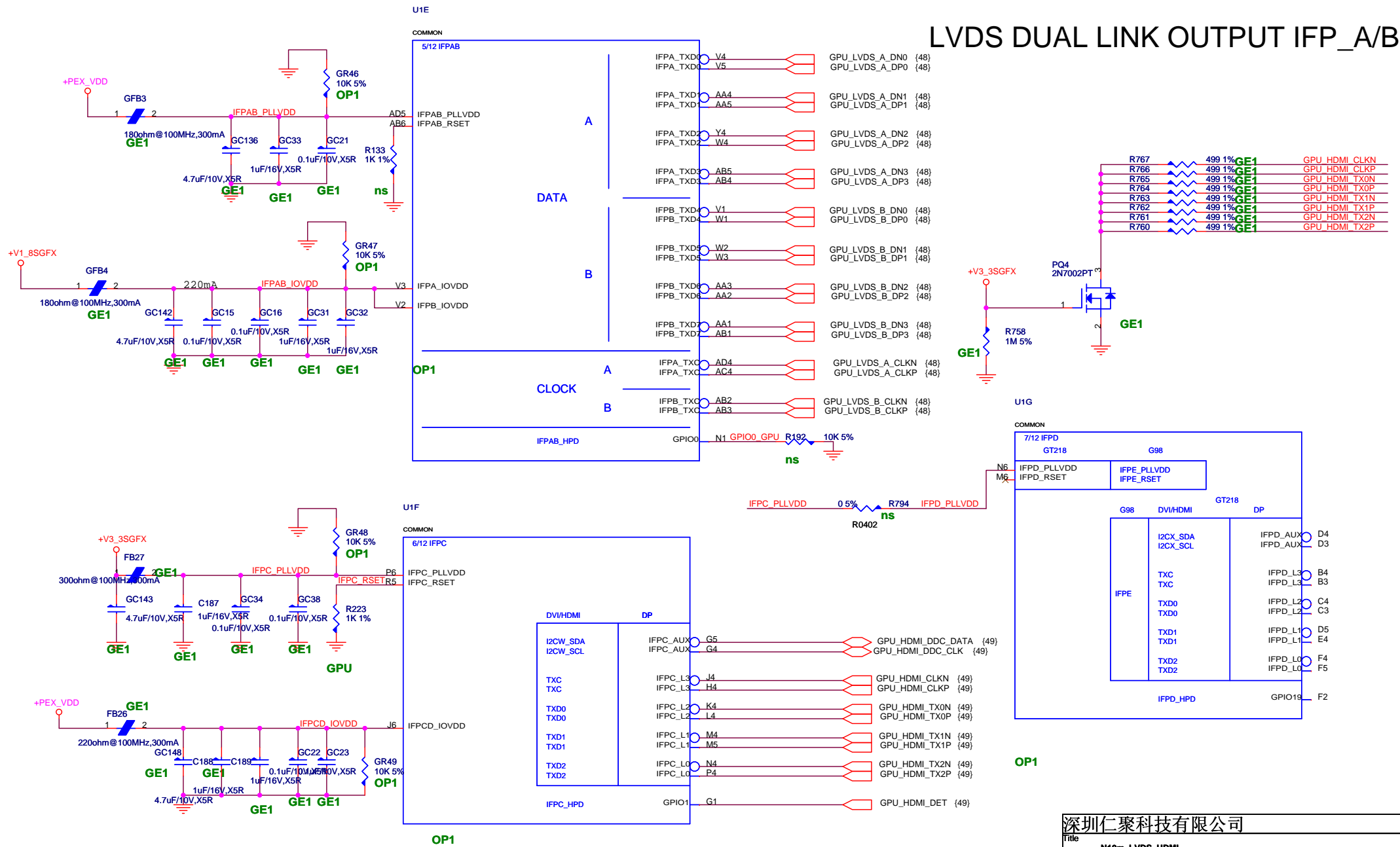


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Title			VRAM (DDR3) 2/3
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LVDS DUAL LINK OUTPUT IFP_A/B



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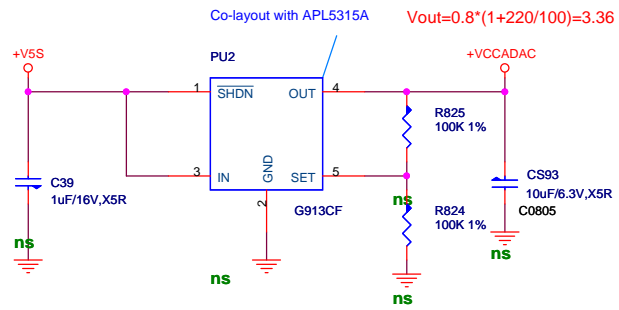
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N10m_LVDS_HDMI			
Size B	Document Number M02	Rev X1	
Date:	Wednesday, May 05, 2010	Sheet	33 of 67

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A							
B							
C							
D							
1	2	3	4	5	6	7	8

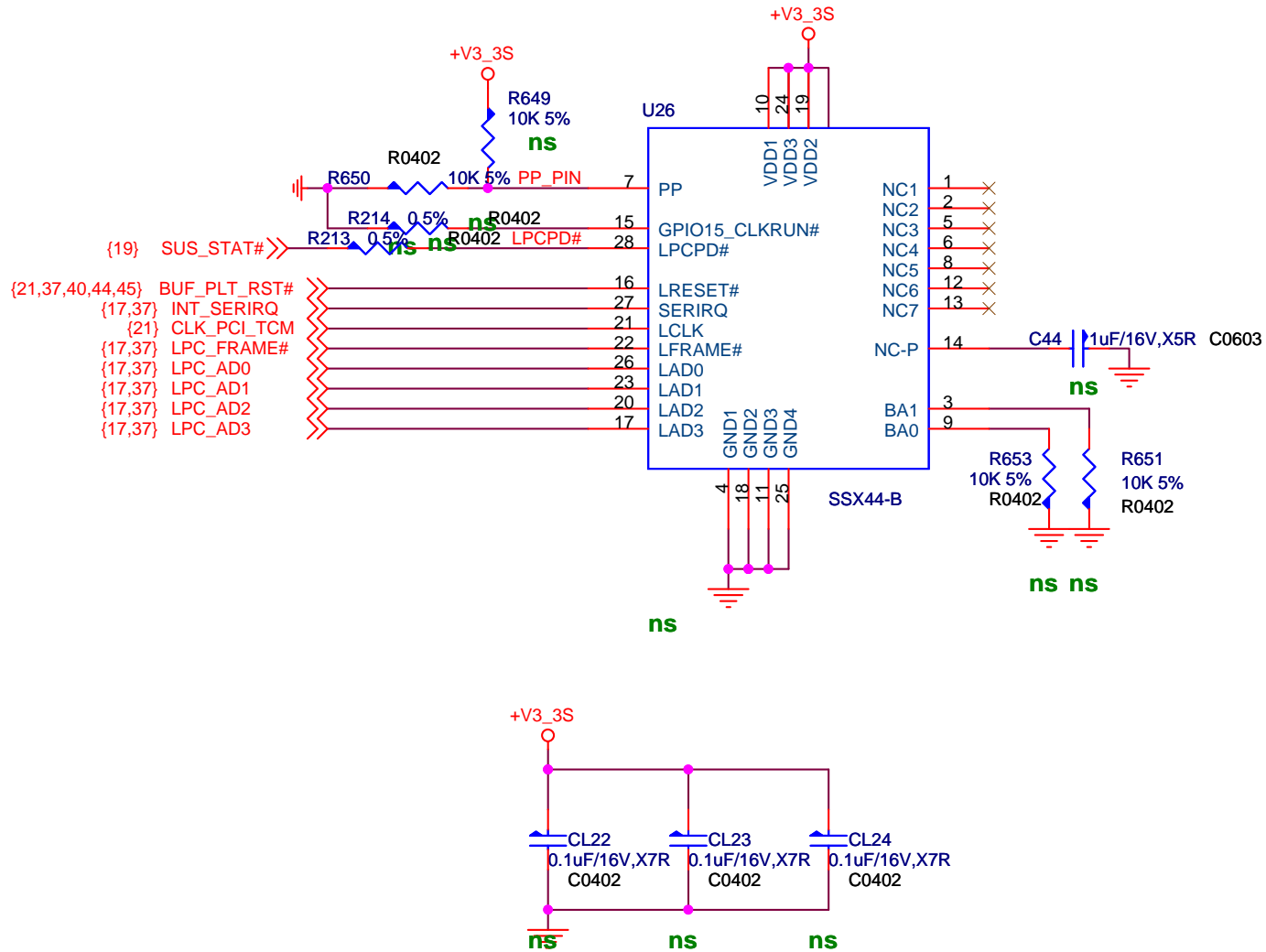
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Title			
blank			
Size	Document Number		
Custom	C02		
Rev			A
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A							
B							
C							
D							
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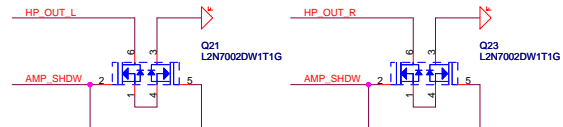
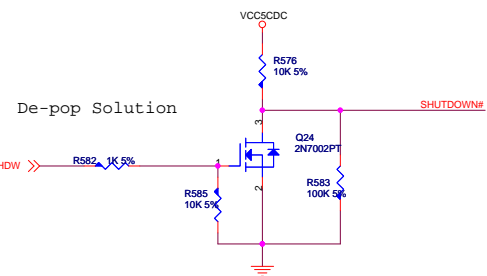
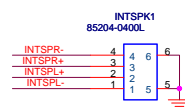
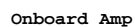
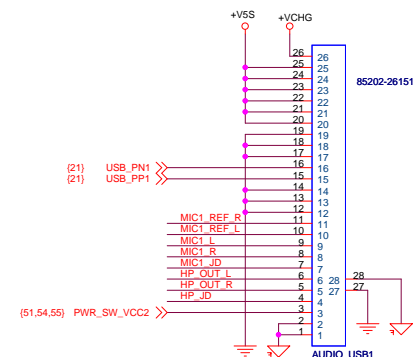
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	7		8



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Title			
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Size	Document Number		
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		1	

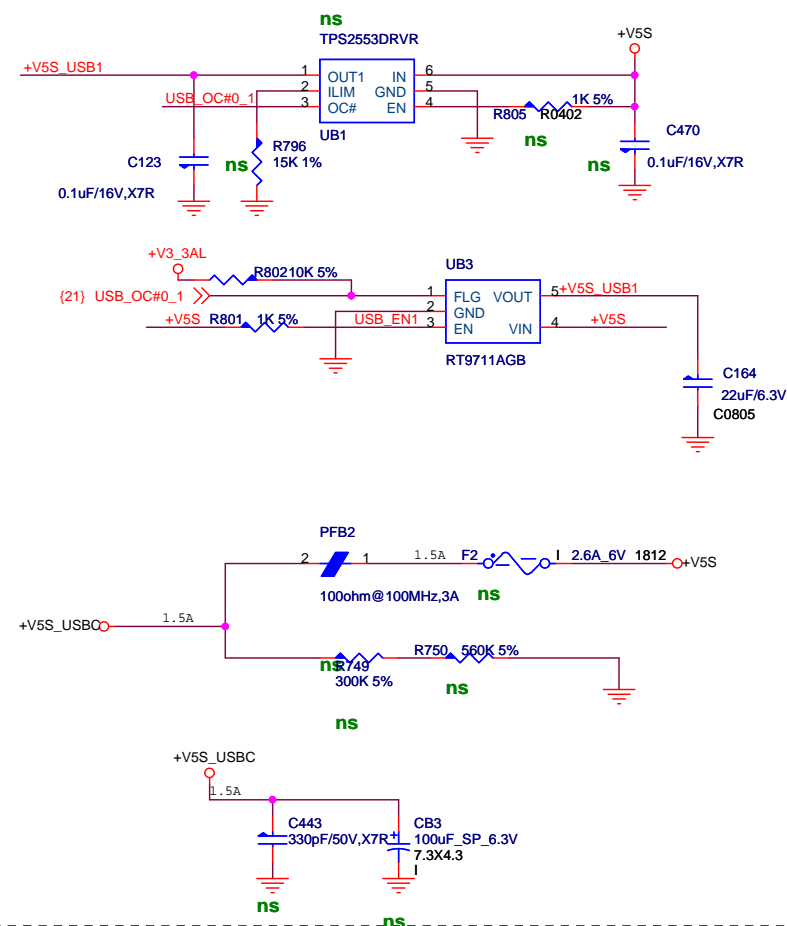
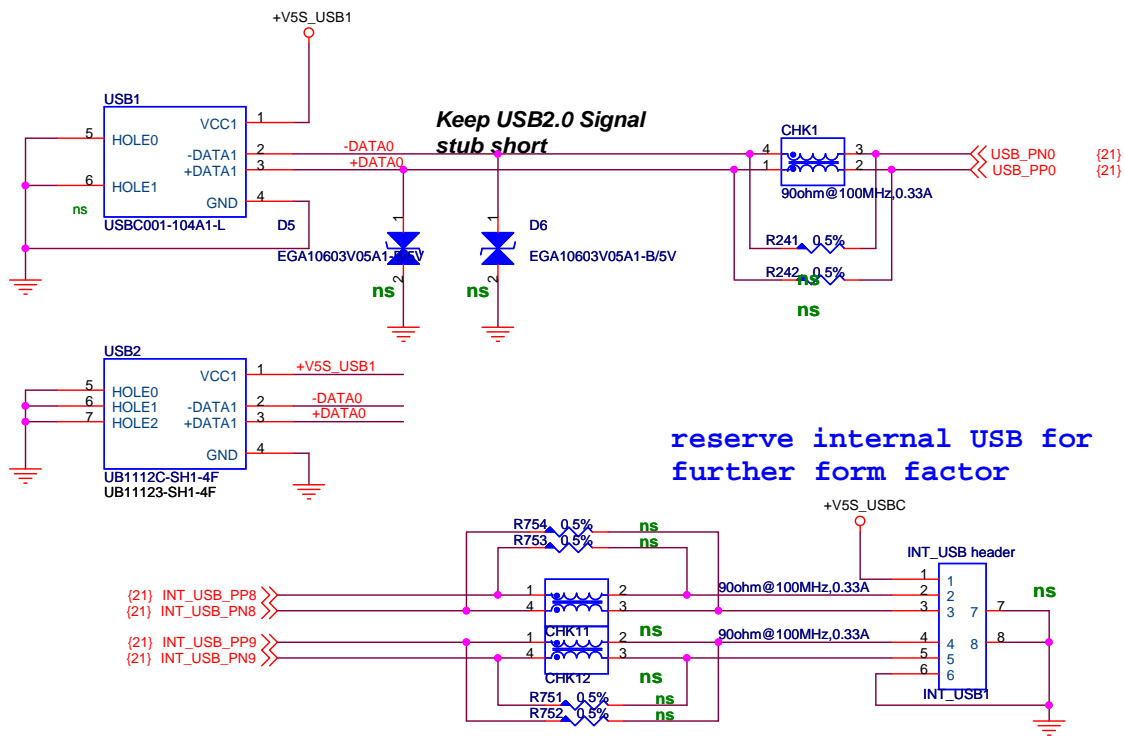


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Title		
Flash ROM/SPI		
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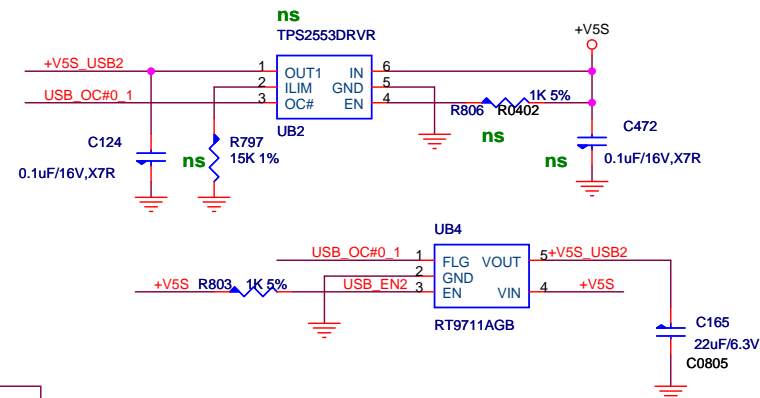
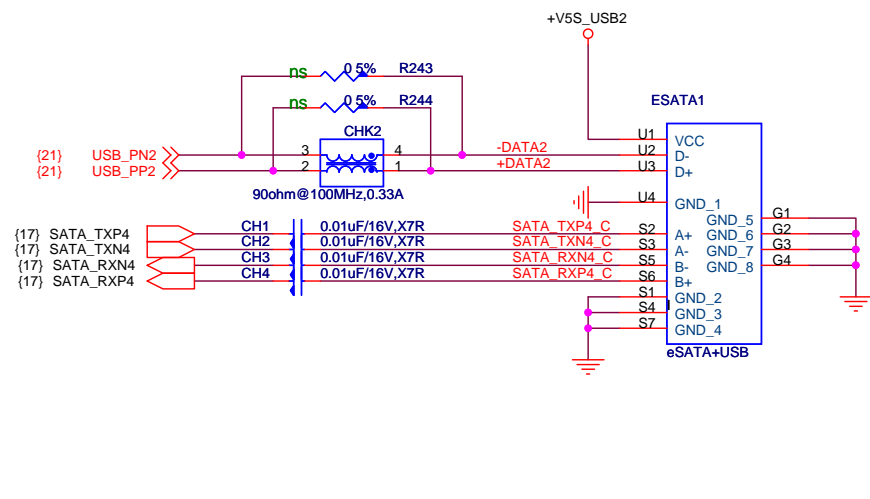




深圳仁聚科技有限公司			
Title			
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Size	Document Number		
Custom	C02		
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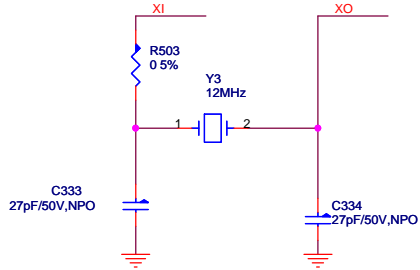
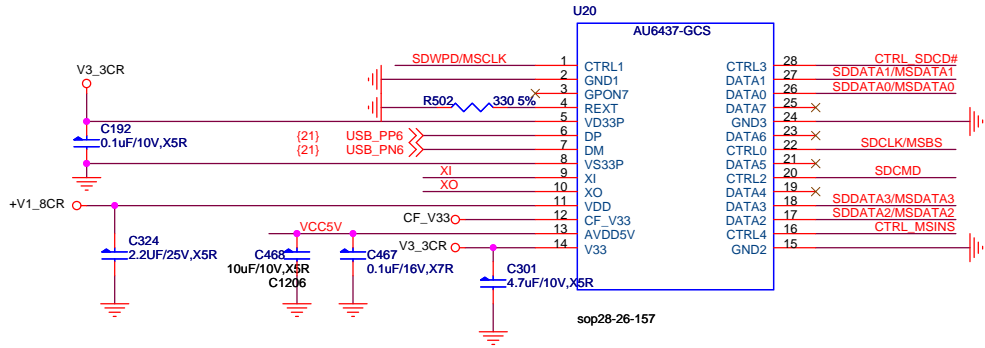


eSATA + USB PORT

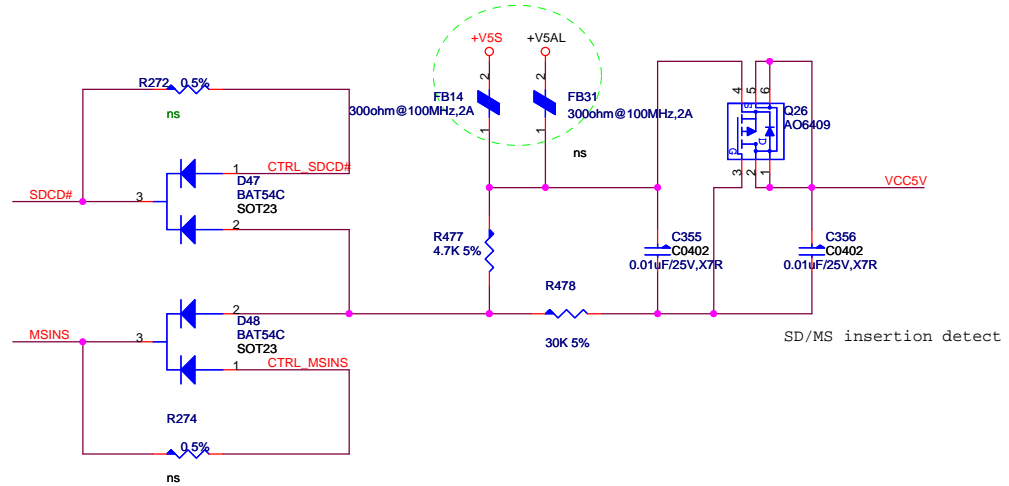
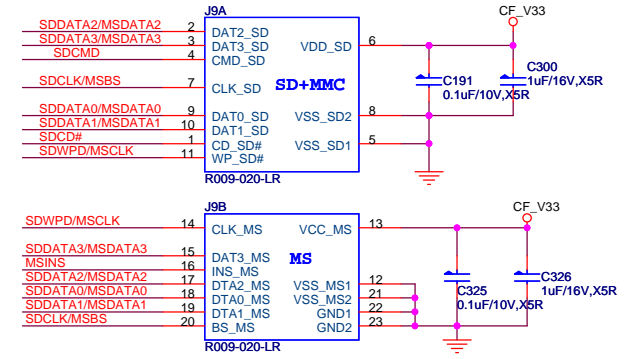


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USBX1			
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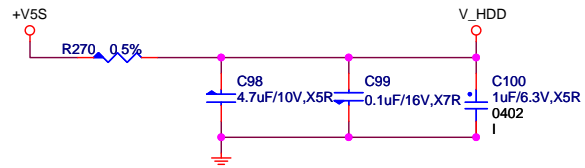
OLD 4IN1 CONN.



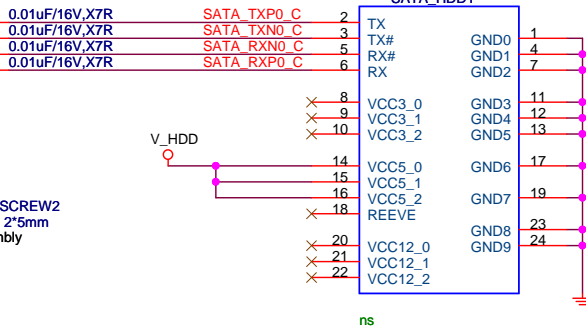
深圳仁聚科技有限公司

Title			
Card Reader			
Size	Document Number	Rev	
Custpm	C02	A	
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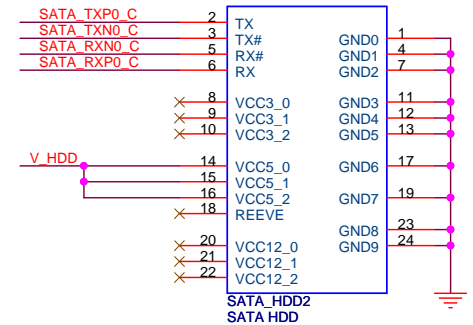
SATA HDD CONN



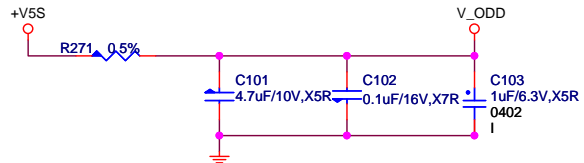
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{17} SATA_TXN0
{17} SATA_RXN0
{17} SATA_RXP0



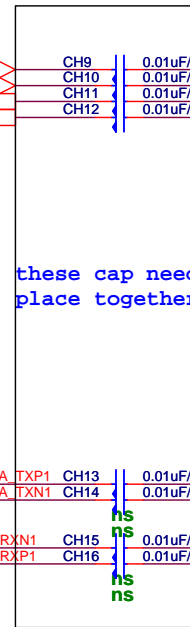
SATA_HDD1和SATA_HDD2 Co-Layout



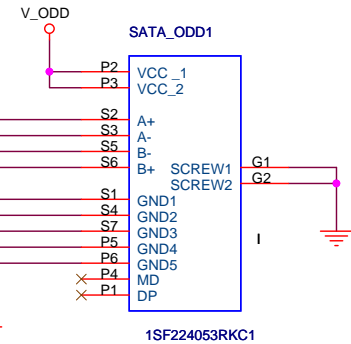
SATA ODD CONN



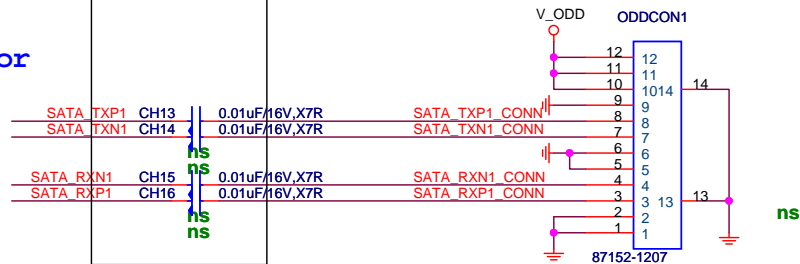
{17} SATA_TXP1
{17} SATA_TXN1
{17} SATA_RXN1
{17} SATA_RXP1



these cap need
place together



Reserve for more form factor



Power pin current
max. 1300 mA (less 2ms)

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Title			SATA HDD/ODD		
Size	Document Number				Rev
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Place 150 ohm resistors close to filters (Cap/Ferrite-Beads)

{20} PCH_CRT_R
{20} PCH_CRT_G
{20} PCH_CRT_B
{20} PCH_CRT_DDC_CLK
{20} PCH_CRT_DDC_DATA
{20} PCH_CRT_VSYNC
{20} PCH_CRT_HSYNC

{32} GPU_CRT_R
{32} GPU_CRT_G
{32} GPU_CRT_B
{32} GPU_CRT_DDC_CLK
{32} GPU_CRT_DDC_DATA
{32} GPU_CRT_VSYNC
{32} GPU_CRT_HSYNC

IGPU: Install

R284 0.5% IGP_OP1
R285 0.5% IGP_OP1
R286 0.5% IGP_OP1
R287 0.5% IGP_OP1
R288 0.5% IGP_OP1
R289 0.5% IGP_OP1
R290 0.5% IGP_OP1

R291 0.5% GE1
R292 0.5% GE1
R293 0.5% GE1
R294 0.5% GE1
R295 0.5% GE1
R296 0.5% GE1
R297 0.5% GE1

DGPU: Install

U8

SN74AHCT1G125

SOT23_5

U9

SN74AHCT1G125DBV

SOT23_5

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Title

CRT

Size
B

Document Number
C02

Rev
A

Date:

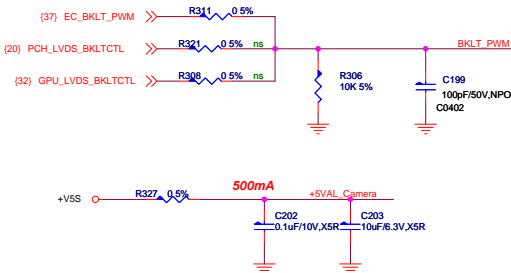
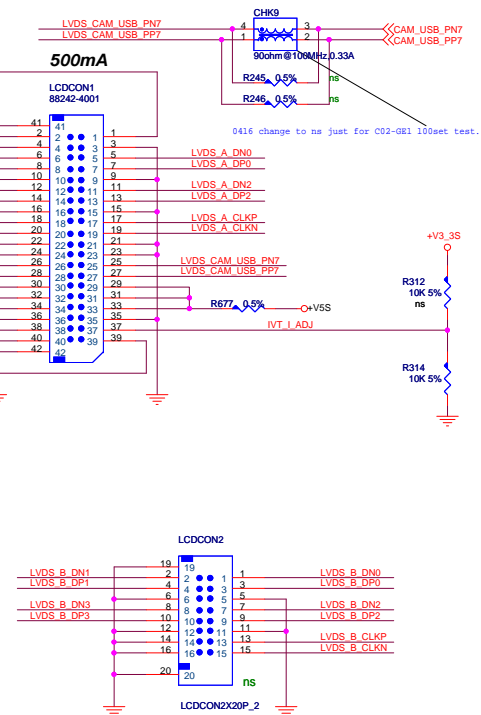
Wednesday, May 05, 2010

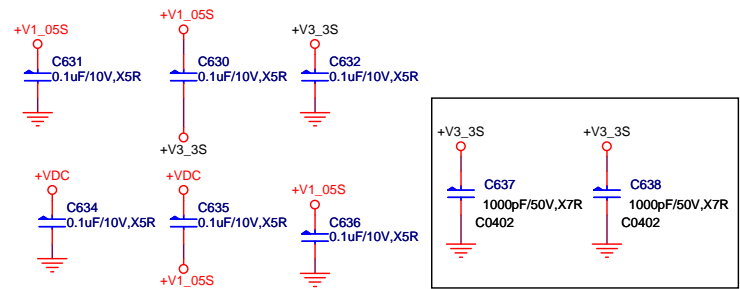
Sheet

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of

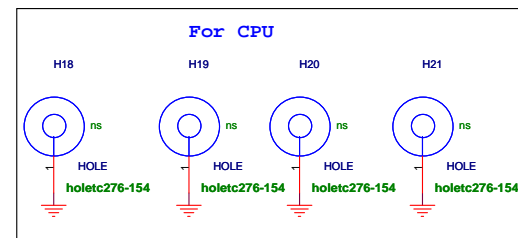
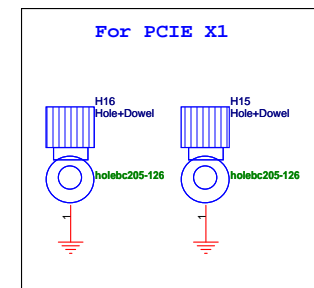
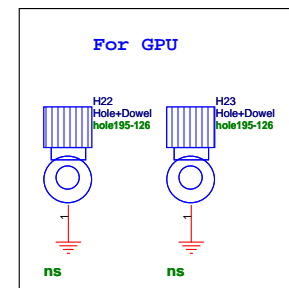
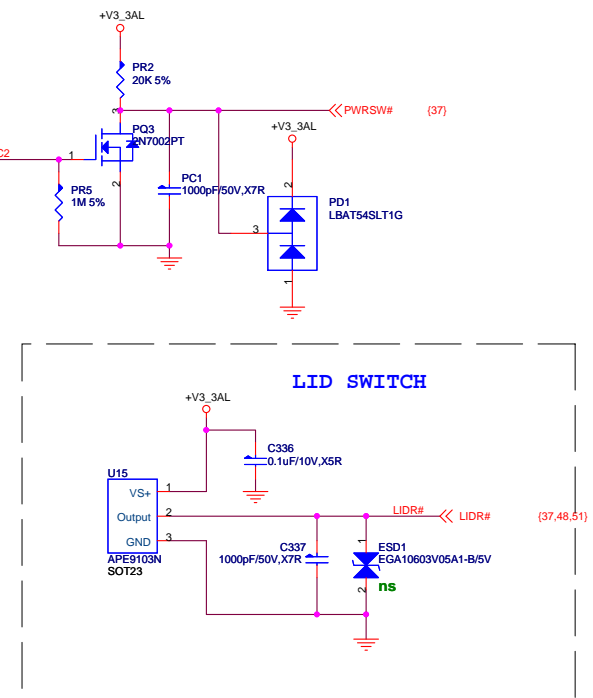
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Title GPU Option			
Size B	Document Number C02		Rev A
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A		B		C		D		E	



SET_I	充电电流
0V	0A
0.6V	800mA
1.83V	2A

设置充电电压为
 $V_{ICHM} = N * (4.1 + V_{SET} / 10) = N * 4.2$

设置适配器限流值为
 $2.12V / (10m\Omega * 0.0595) = 3.5A$

设置过放时充电电流为
 $V_{lw} = GND$
 $I_{wk} = 0.25A$

SYS_CURRENT	SYS_I_Sense	SYS_I_Trip
>3.6A	>1.8V	High
<3A	<1.5V	Low

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Title
CHARGER OZ8618

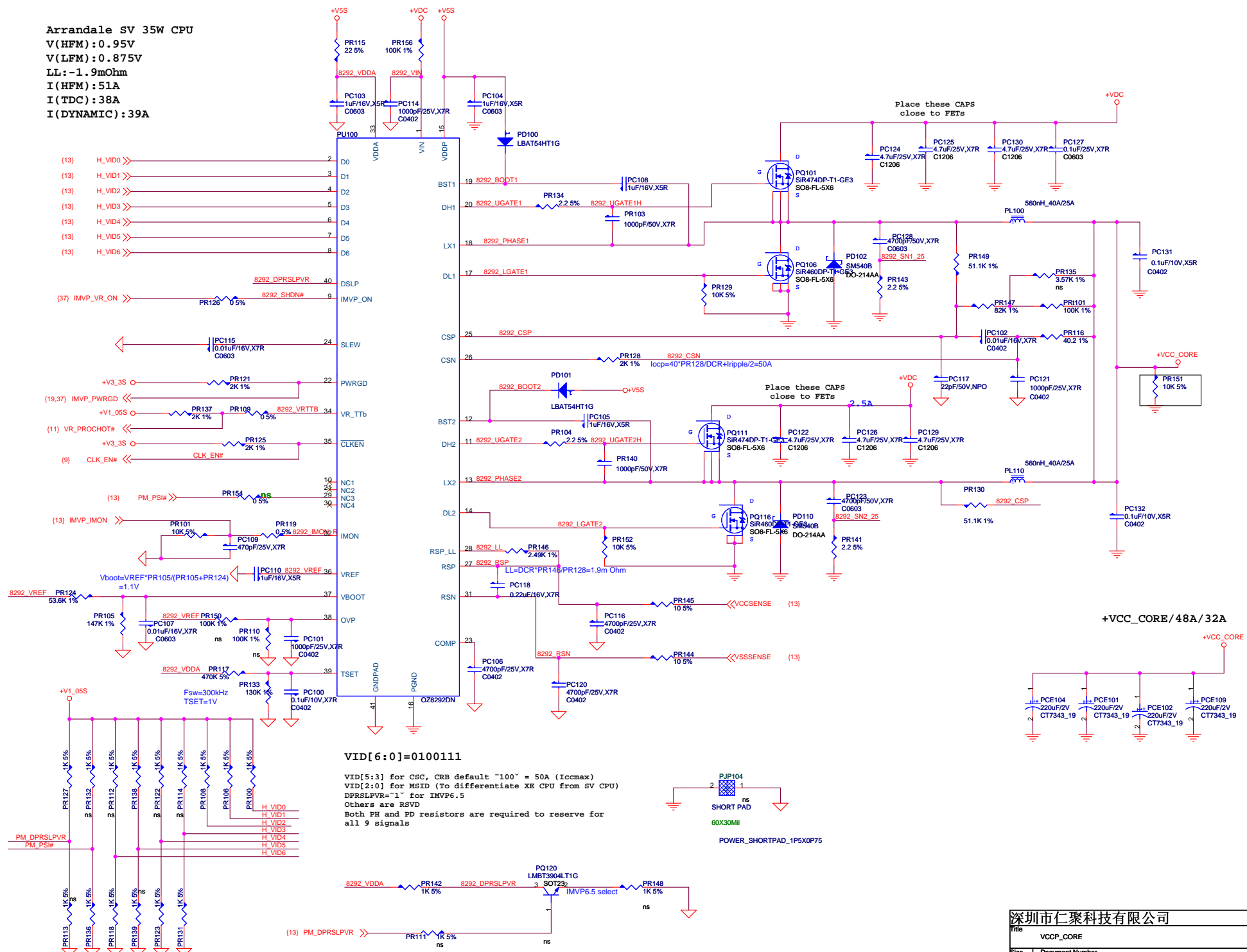
Size A3 Document Number
C02

Date: Wednesday, May 05, 2010

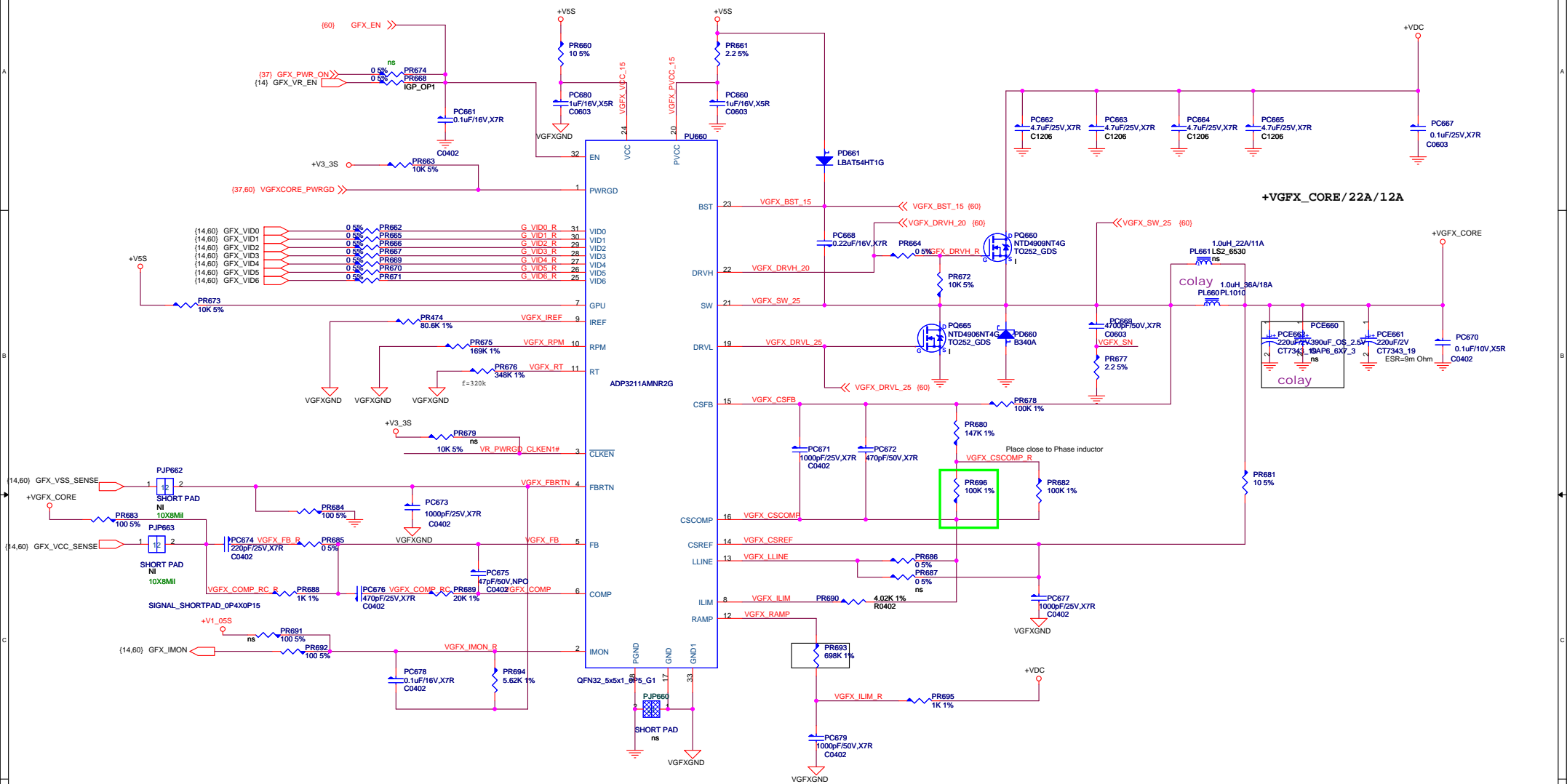
Sheet 56 of 67

Rev
A

```
Arrandale SV 35W CPU
V(HFM):0.95V
V(LFM):0.875V
LL:-1.9mOhm
I(HFM):51A
I(TDC):38A
I(DYNAMIC):39A
```



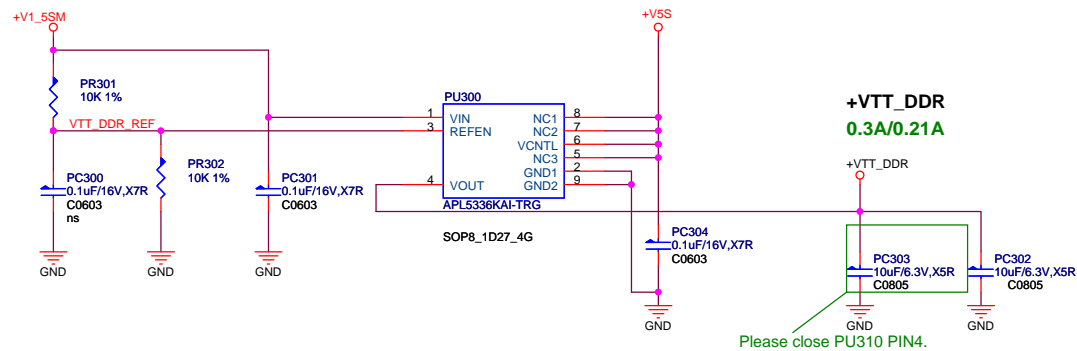
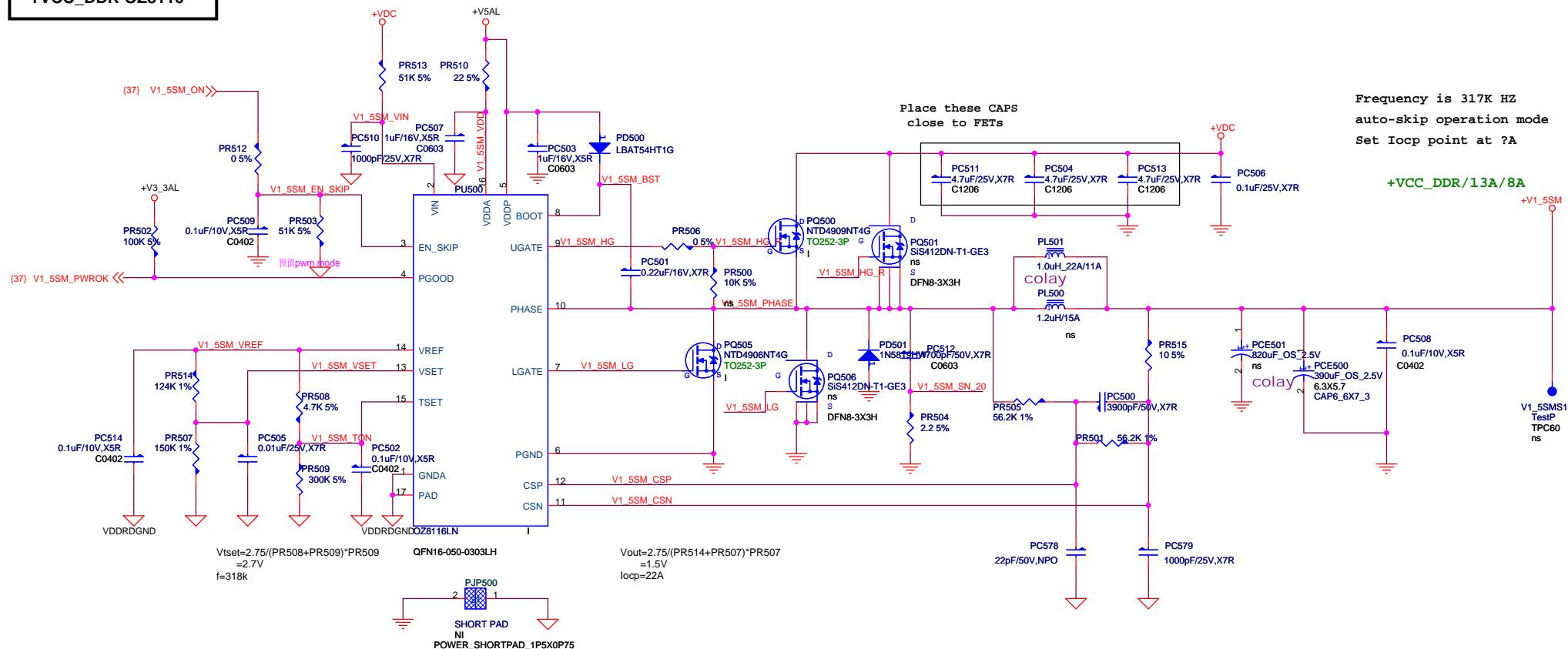
+VGFXCORE

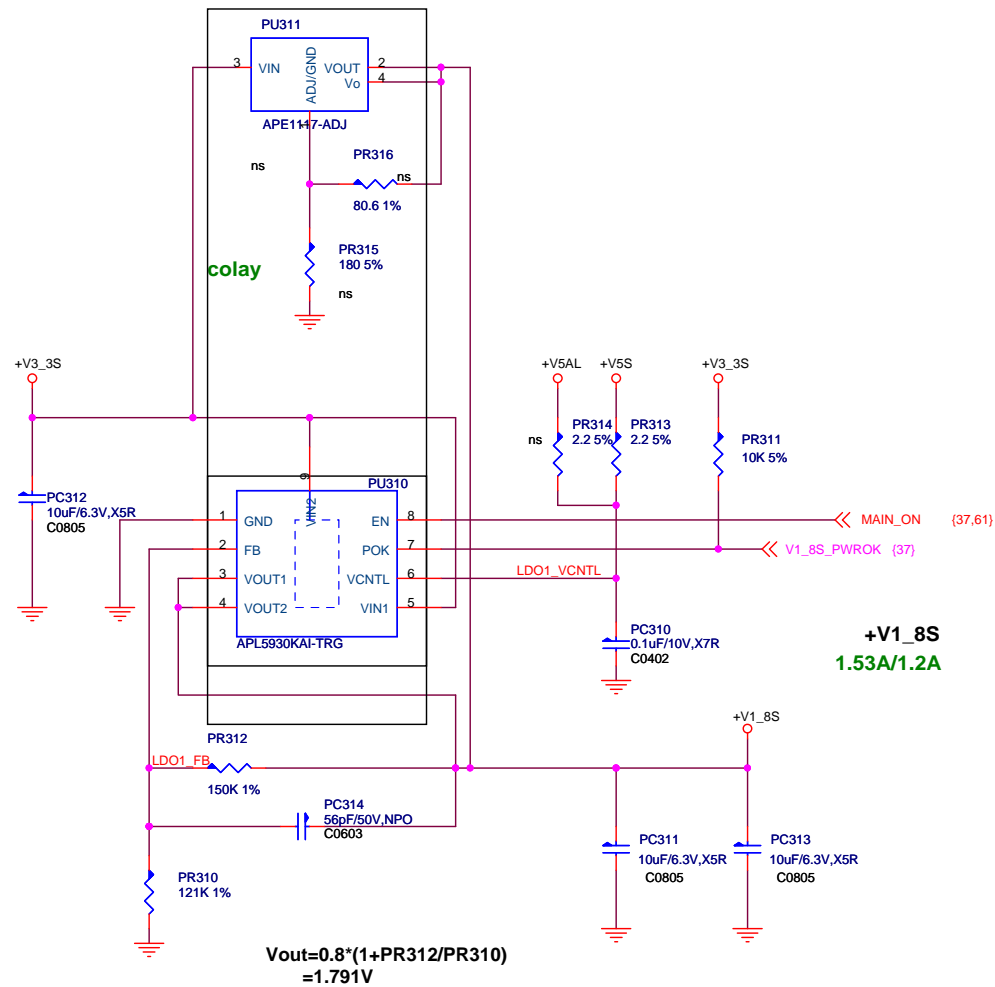


$$\begin{aligned} I_{ocp} &= [PR615 \cdot 10 \mu A / 9-24] / R_{ds(on)} + I_{ripple} / 2 \\ &= [169 \cdot 10 / 9-24] / 20 + 3 \\ &= 10.5 A \end{aligned}$$

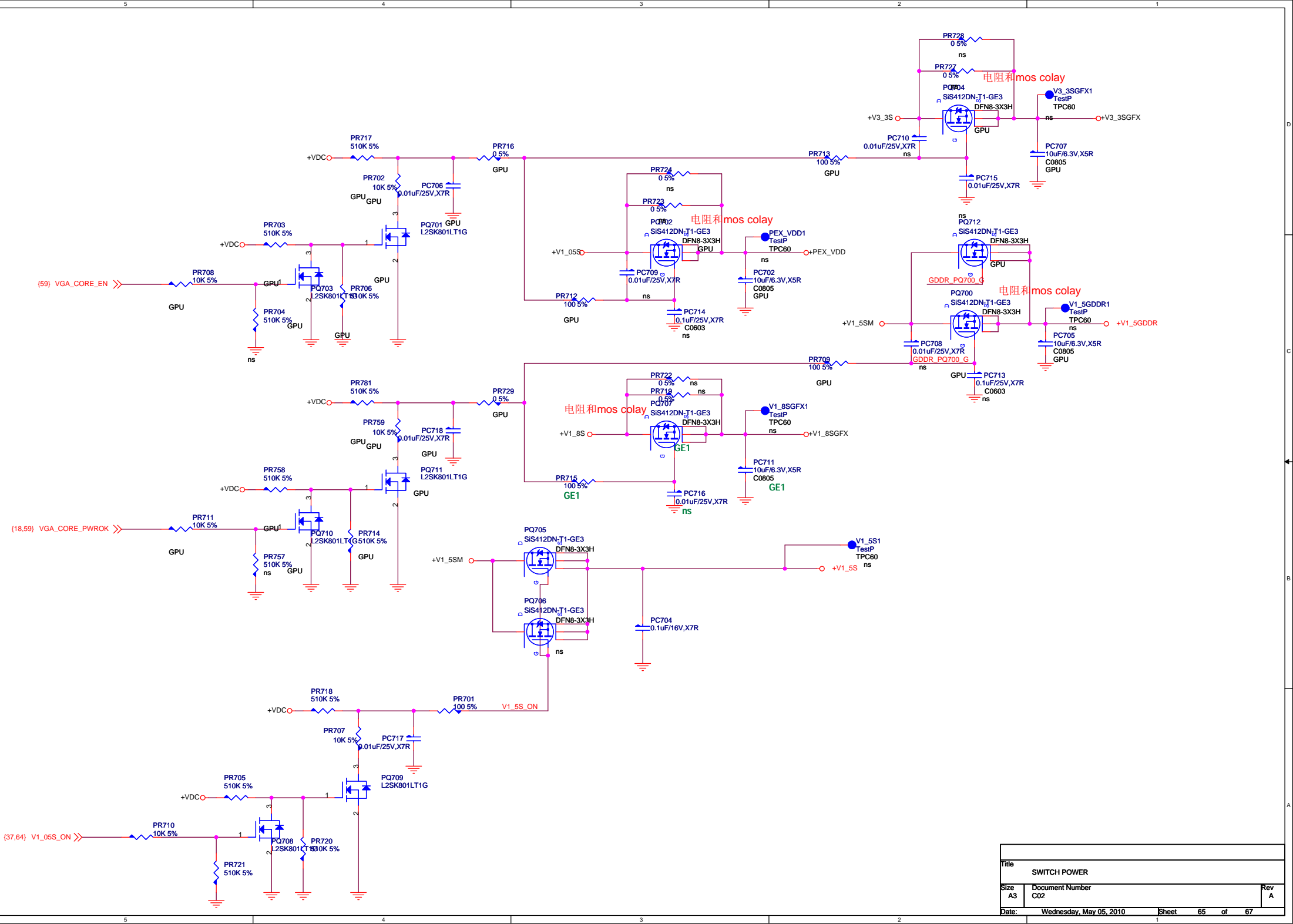


+VCC_DDR OZ8116

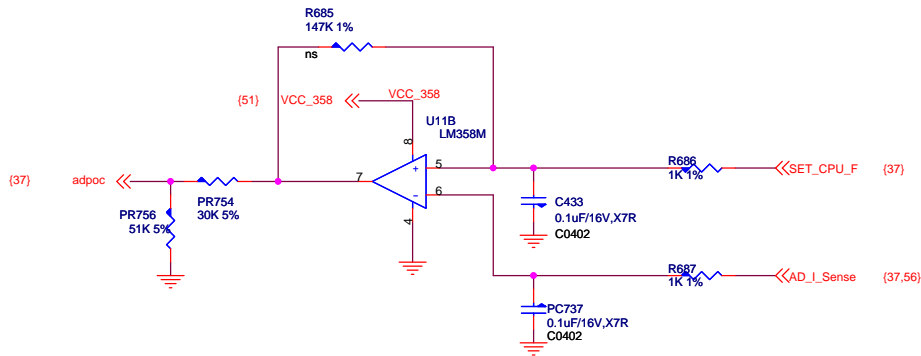




Title		
V1_8S		
Size	Document Number	Rev
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Date:	Wednesday, May 05, 2010	Sheet 63 of 67

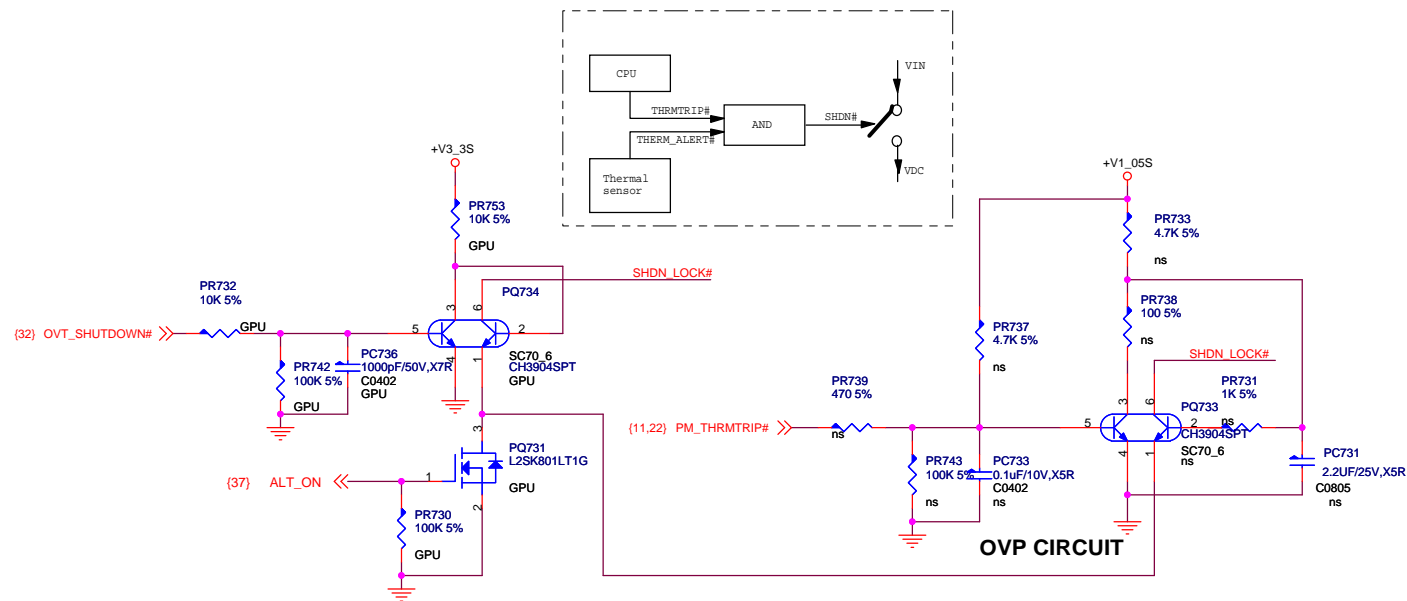
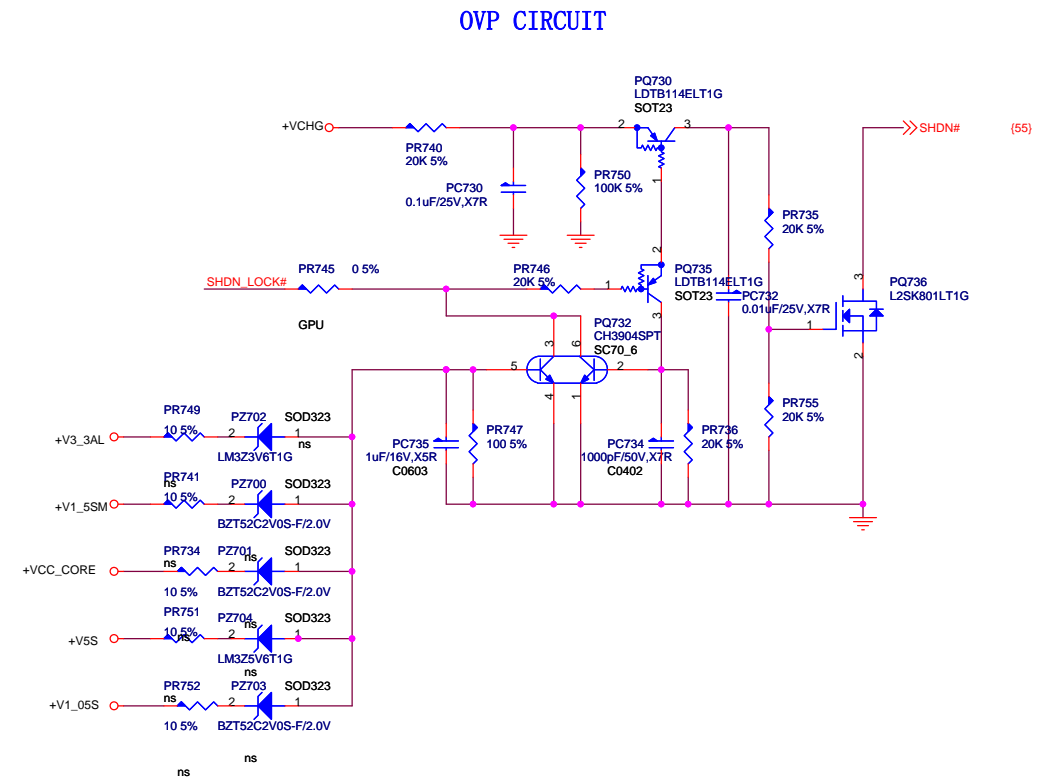


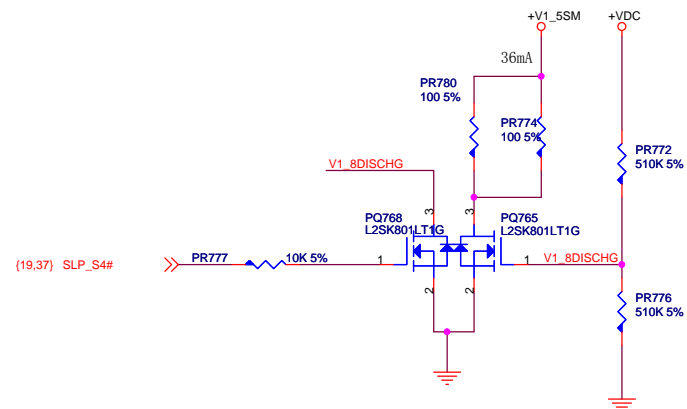
Title			SWITCH POWER
Size	A3	Document Number	C02
Date:	Wednesday, May 05, 2010		Sheet 65 of 67



frequency adj for 65W adaptor

SET_CPU_F	AD_I_Sense	adpoc
2V	>2V(3.33A)	low(0V)
1.65V	<1.65V(2.75A)	high(3V)





LZJ0819vb: Add +V5S
discharge circuit.

