

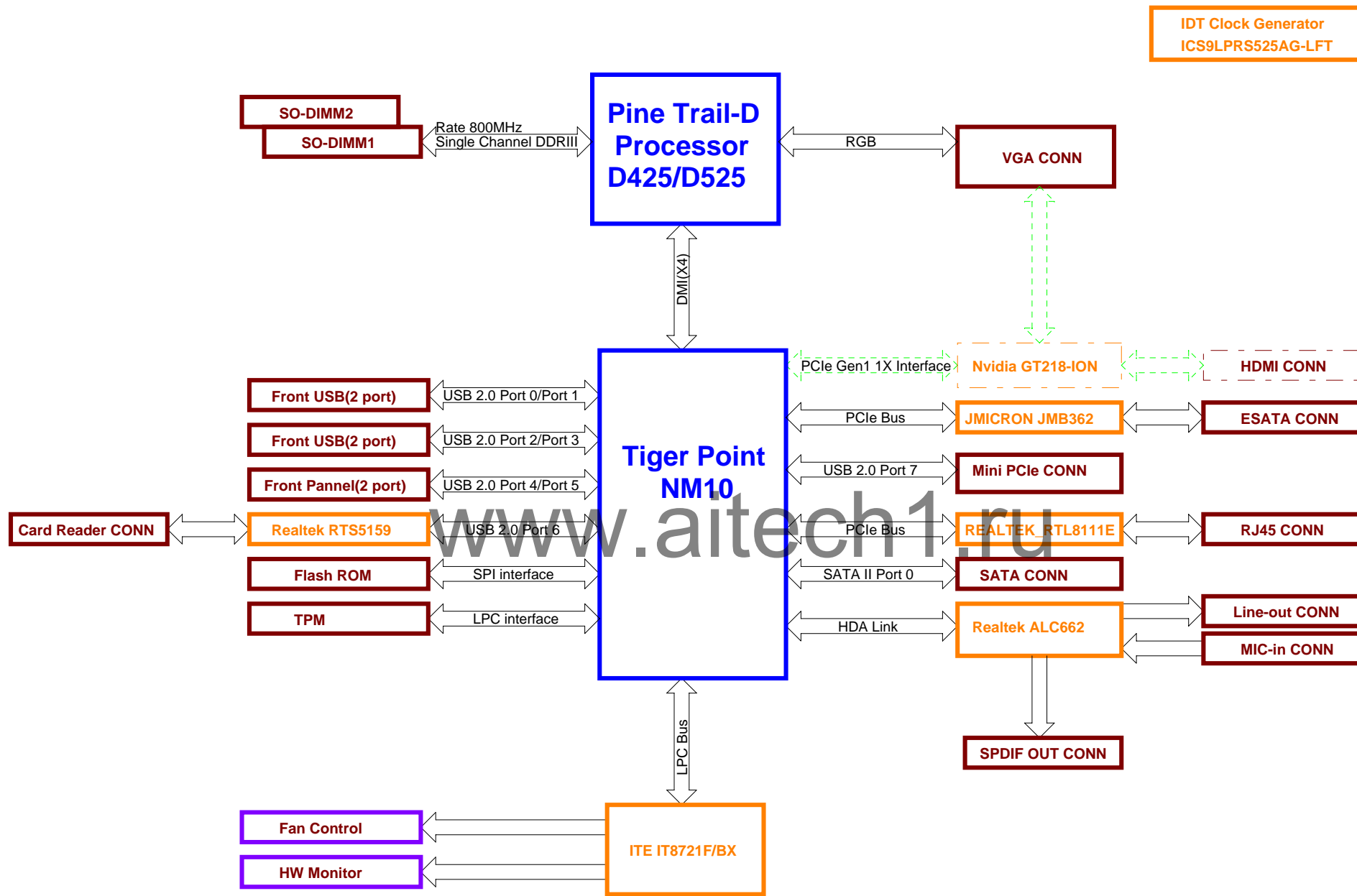
Foxconn Precision Co. Inc.

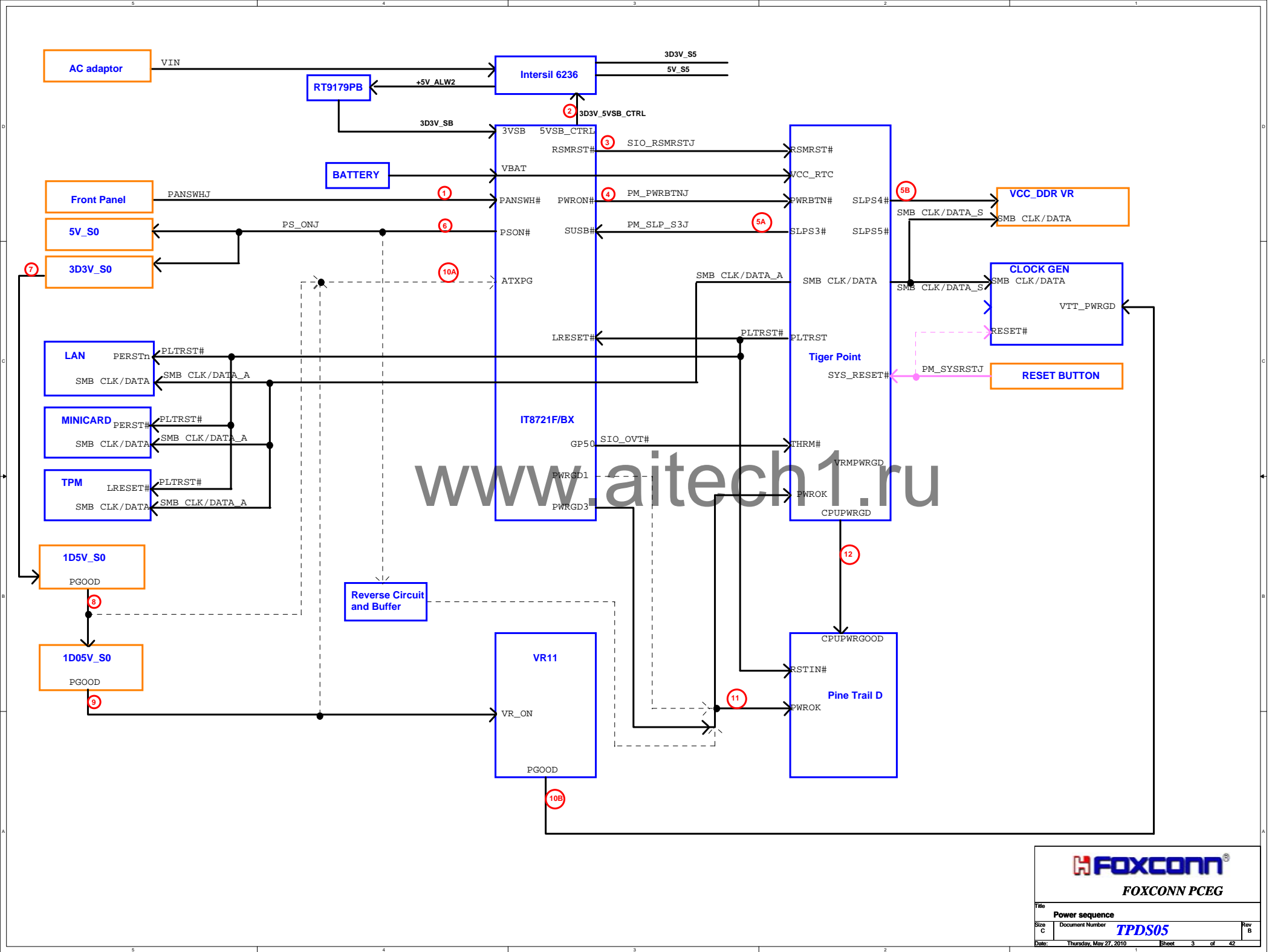
PINEVIEW-D Schematic

Fab B
Data: 2010/05/27

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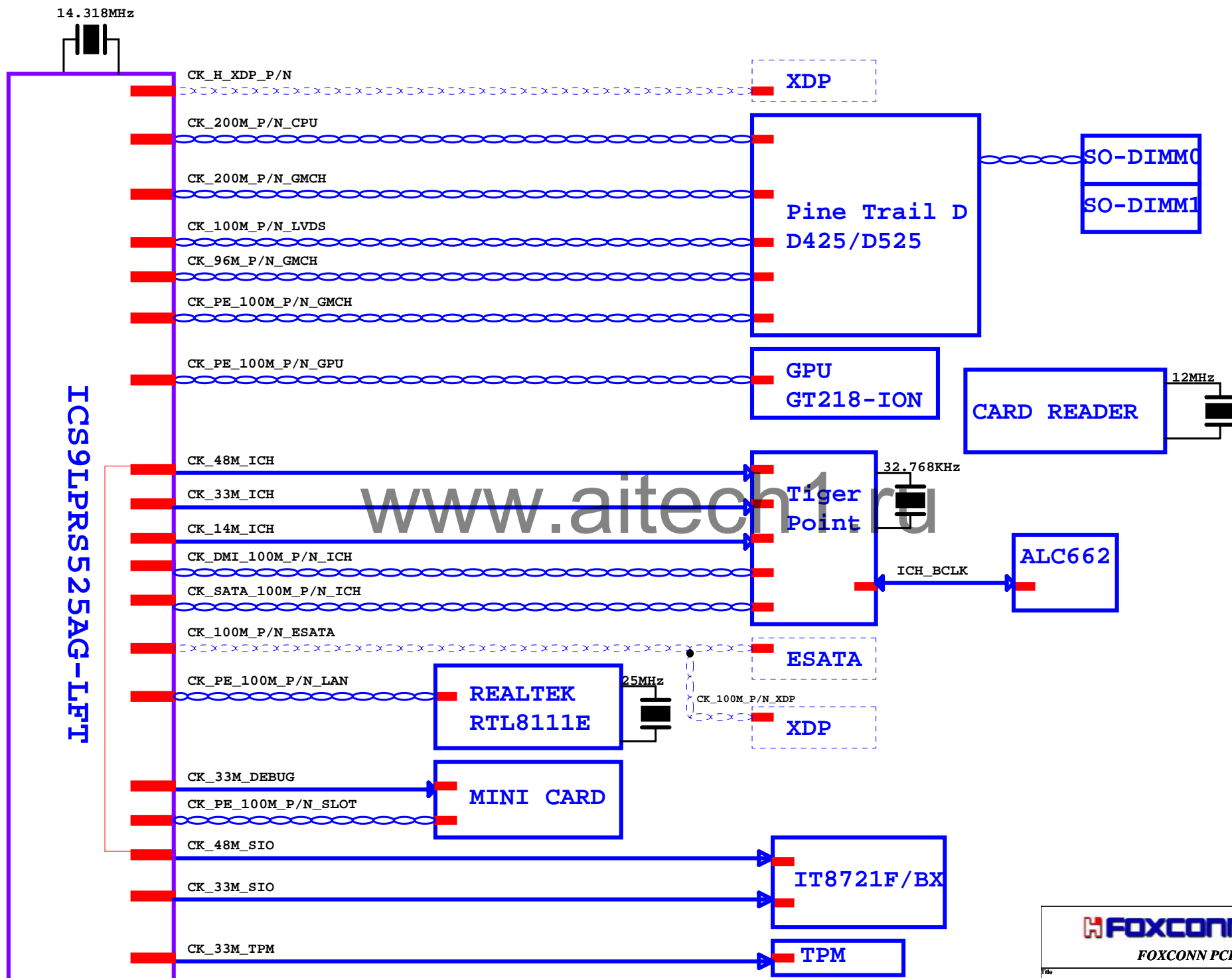




FOXCONN

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Power sequence		
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Pineview-D(D425/D525)

D425: Single Core CPU	
D525: Dual Core CPU	
VCC_CORE_CPU	9640mA
VCCP	?mA
VCCA	80mA
VCC_DDR	2270mA
VCCCK_DDR	
VCCSFR_DMIHPLL	104mA
VCCSFR_AB_DPL	154mA
VCCACRTDAC	
VCCA_LVDS	80mA
VCCD_LVDS	
VCCA_DMI	480mA
VCCRING_EAST	
VCCRING_WEST	
VCC_LGI	305mA
VCCD_AB_DPL	
VCCD_HMPLL	
VCCA_DDR	1320mA
VCCACK_DDR	
VCC_GFX	3360mA
VCC_GIO	5mA

Nvidia GT218-ION(DDR3)

Power Name	Consumption
FB_PLLAVDD	100mA/
FB_DLLAVDD	100mA/
IFPAB_PLLVDD	220mA/
IFPC_IOVDD	285mA/
IFPD_IOVDD	285mA/
IFPE_IOVDD	285mA/
PEX_IOVDD/Q	530mA/1.05V
PEX_PLLVDD	84mA/1.05V
PLLVD	60mA/
SP_PLLVDD	45mA/
VID_PLLVDD	45mA/
FBVDD	660mA/1.5V
FBVDDQ (GPU+MEM)	1300mA/1.5V
IFPA_IOVDD	150mA/
IFPB_IOVDD	150mA/
IFPC_PLLVDD	220mA/
IFPD_PLLVDD	220mA/
IFPE_PLLVDD	220mA/
DACA_VDD	120mA/
DACB_VDD	120mA/
PEX_SVDD_3V3	120mA/
VDD33	120mA/
NVVD	11.32A/0.9V

ISL6314CRZ(VR11)
VCC_CORE_CPU
Max 9640mA

1D5V_S0

Max 4041mA

ISL6268CAZ-T
VCC_DDR
Max 11.809A

ISL6268CAZ-T
1D05V_S0
Max 9979mA

RT9199PSP
1D8V_PLLSFR
Max 500mA

5V_S0

Max 3954mA

5V_S5
Intersil 6236
3D3V_S5
Max 5650mA

3D3V_S0
Max 2354mA

ON NCP5212A

NVVD
Max 1132mA

Single Channel DDRIII

0.75V VTT_DDR	500mA
1.5V VCC_DDR	2A*2

Tiger Point(NM10)

VCC1_5	1422mA
VCCUSBPLL	10mA
VCCDMIPLL	24mA
VCCSATAPLL	45mA
VCC1_05	955mA
V_CPU_IO	14mA
V5REF_SUS	10mA
V5REF	10mA(S3) 10mA(S4/S5)
VCCSUS_3	92mA
VCC3_3	216mA
VCCRTC	6mA(G3)

Clock Generator

3D3V_S0	270mA
---------	-------

USB *6

5V_S3	500mA
-------	-------

MINI CARD

3D3V_S5	2750mA
1D5V_S0	500mA

SATA II

5V_S0	900mA
-------	-------

CARD READER

3D3V_S5	400mA
3D3V_S0	400mA

REALTEK ALC662

3D3V_S0	23mA
+5VA	38mA
	0.4mA(S3)

REALTEK RTL8111E

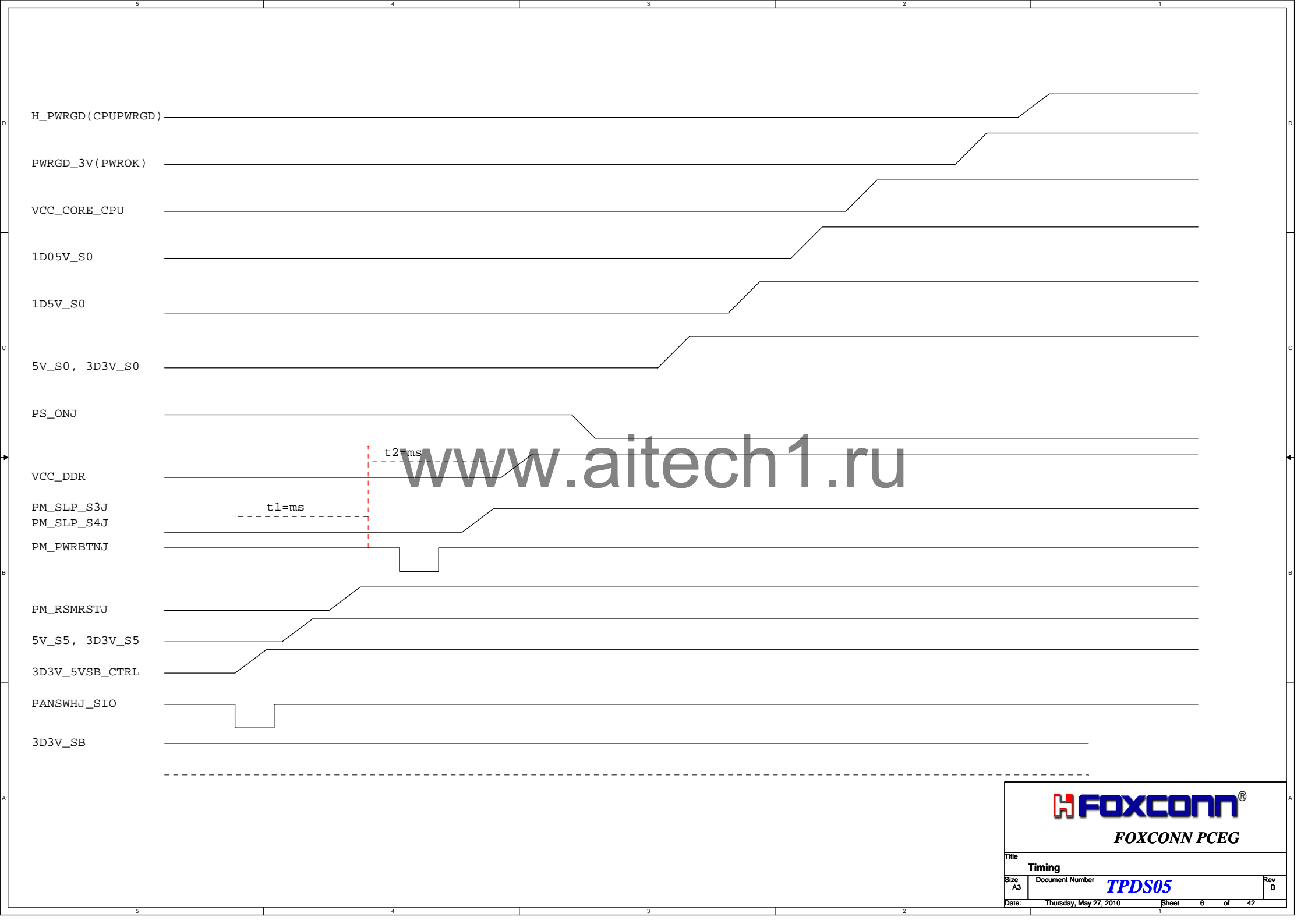
VDDO	69mA
AVDDL	151mA
VDDC	379mA

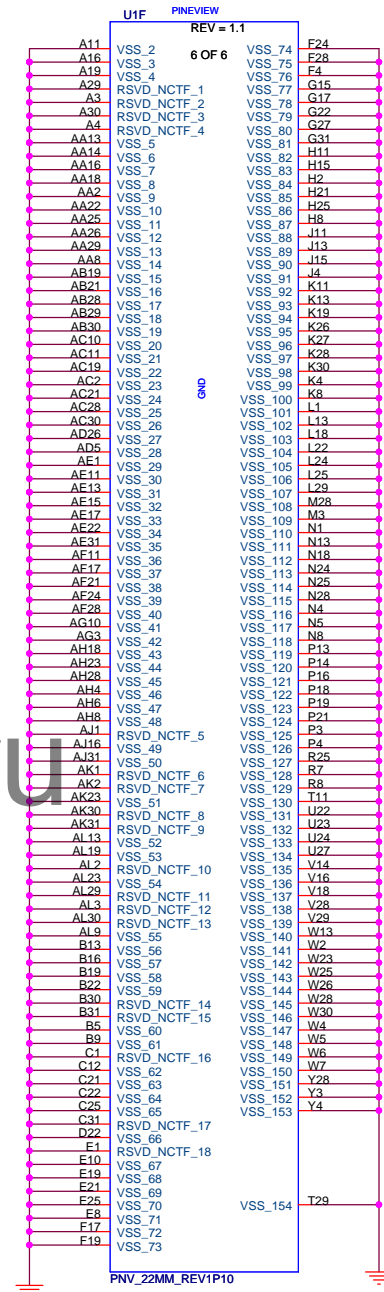
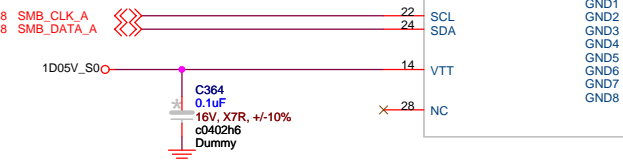
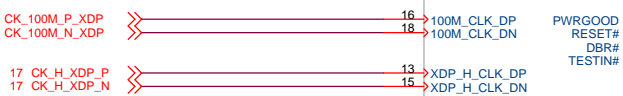
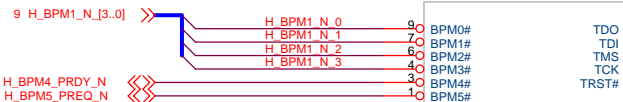
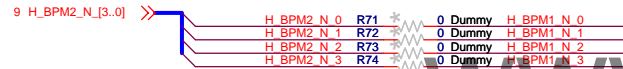
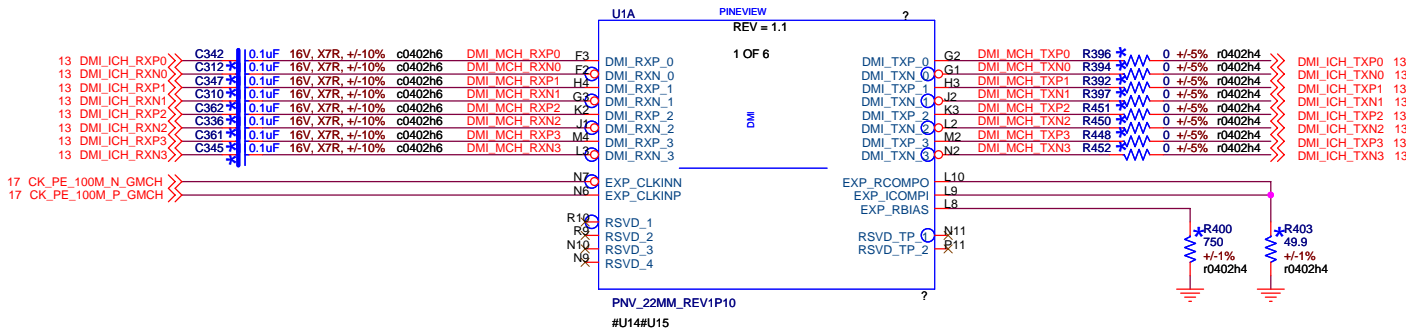
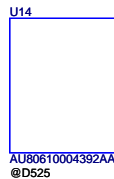
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Power Delivery	
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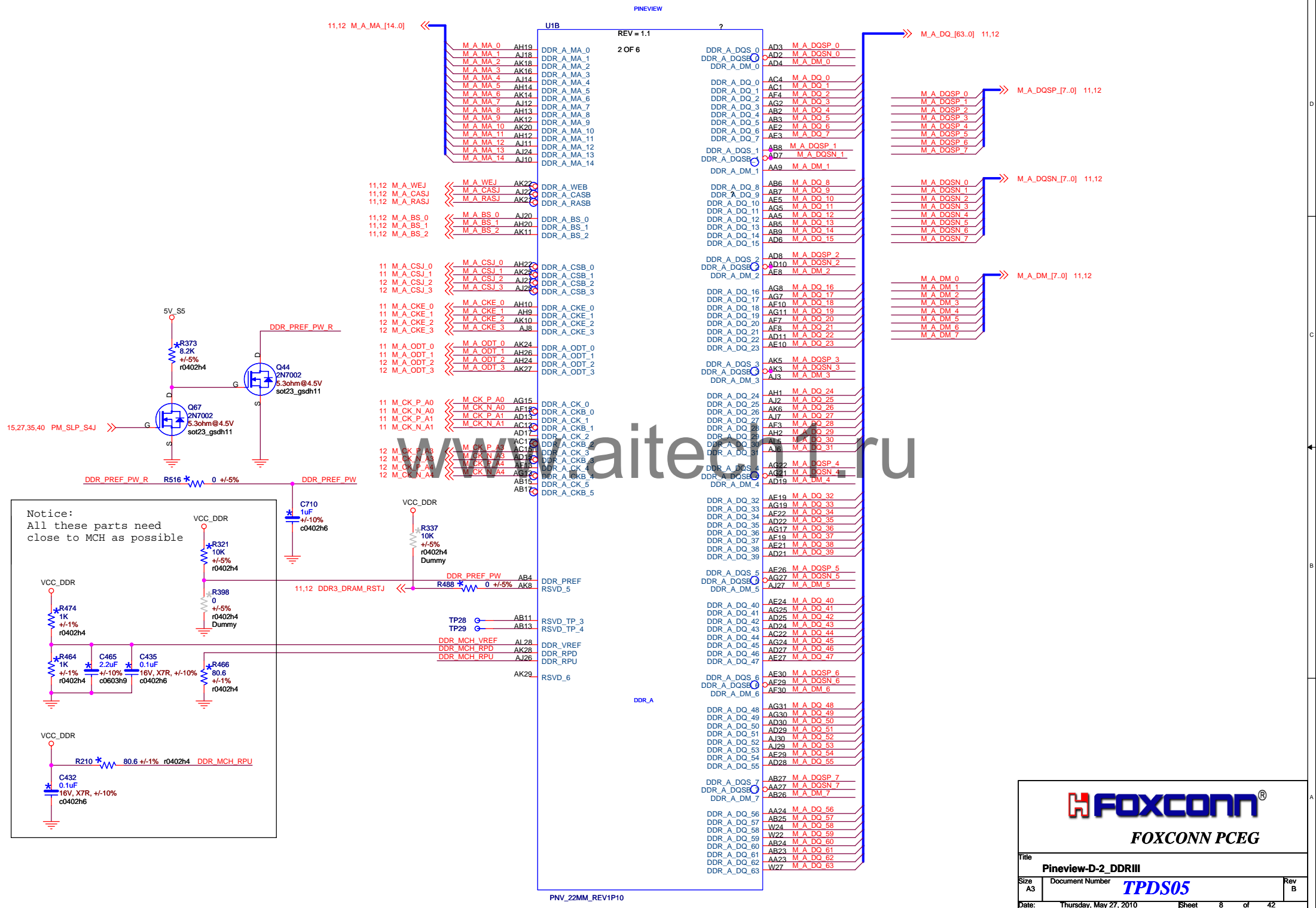
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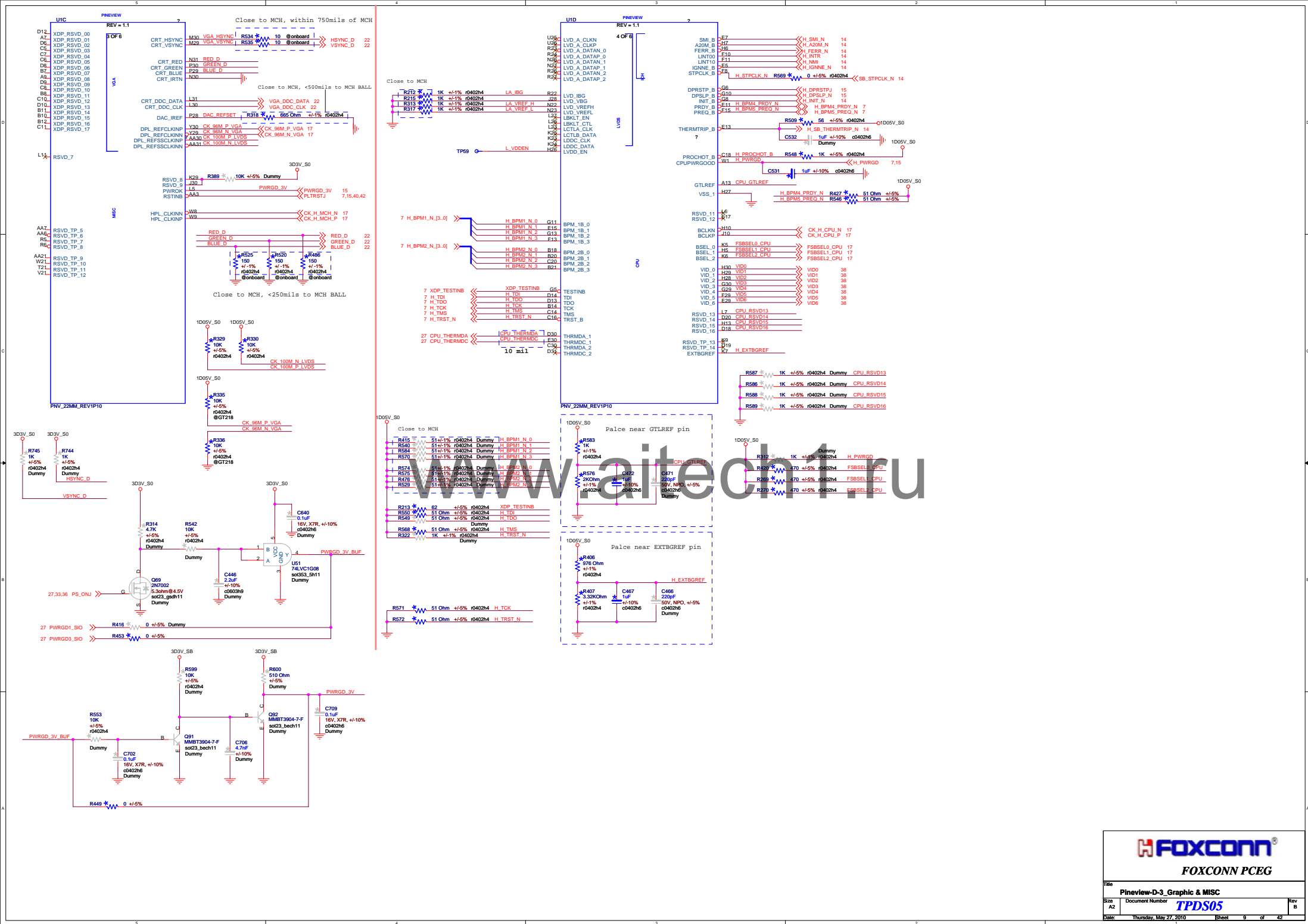


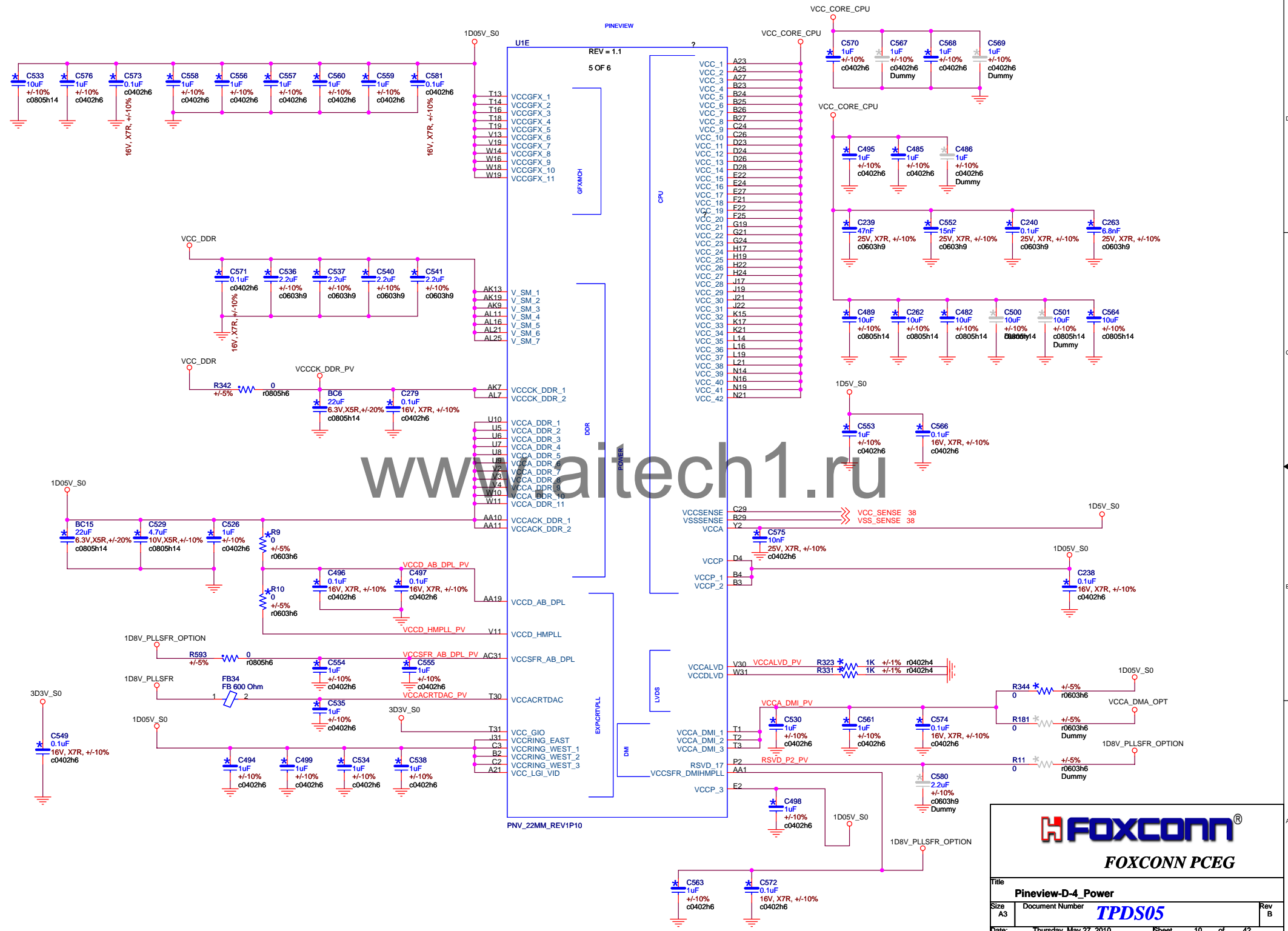
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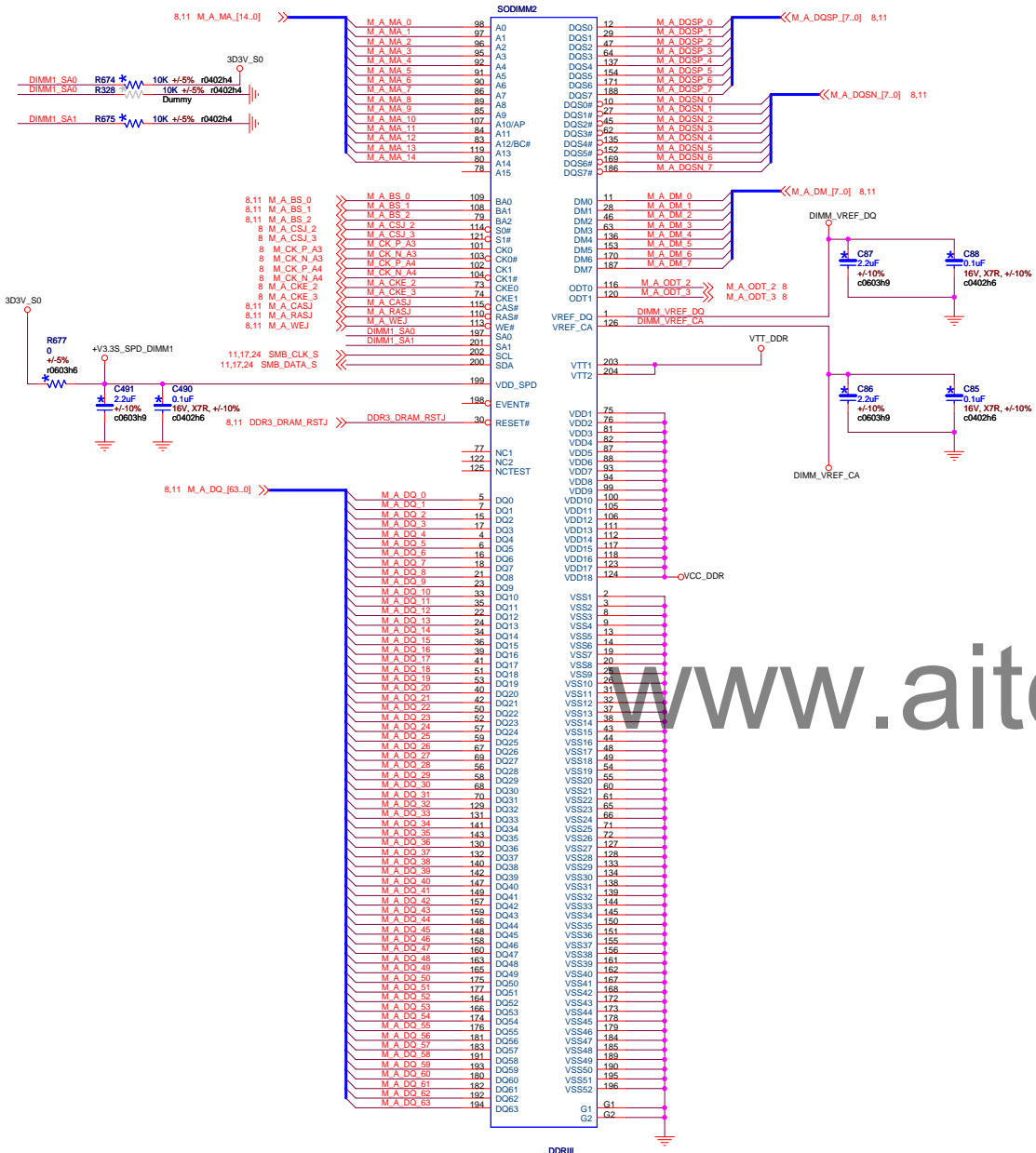
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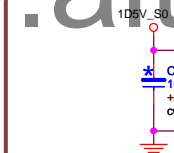
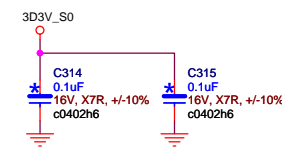
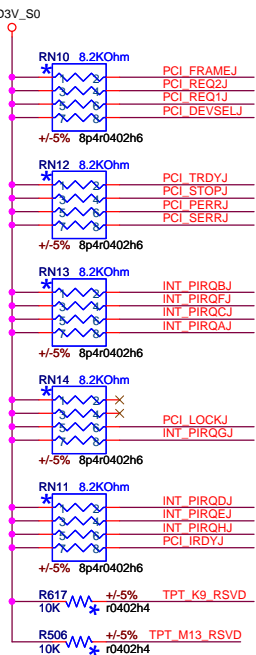
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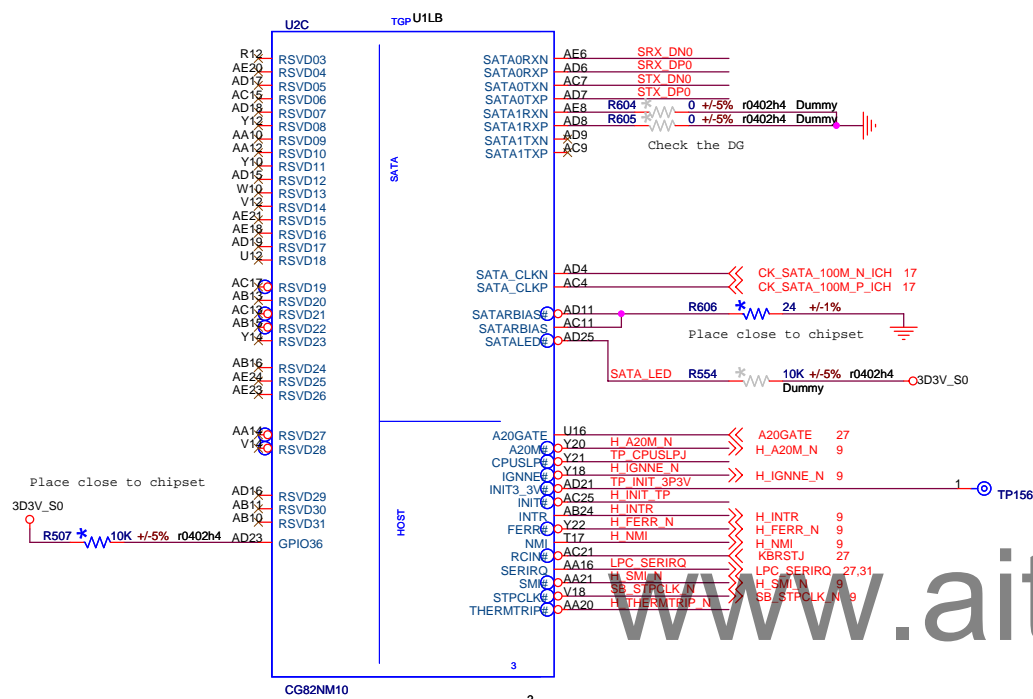




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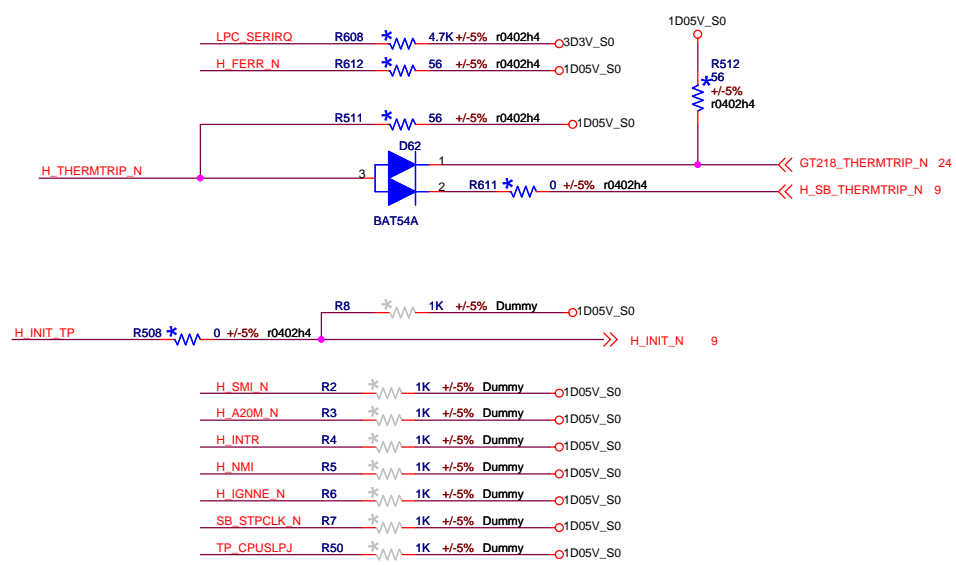
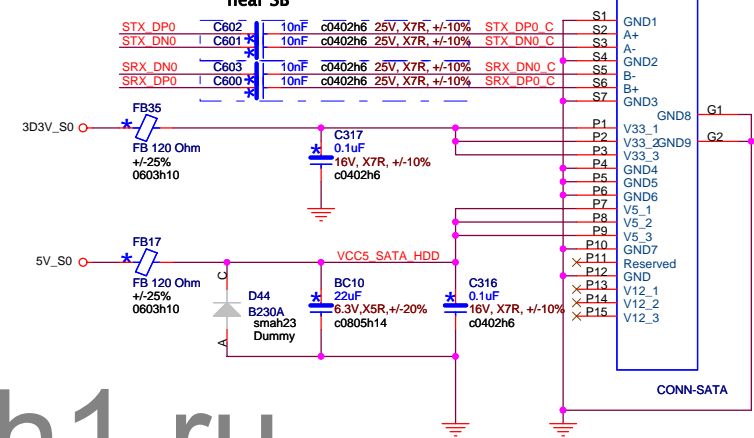


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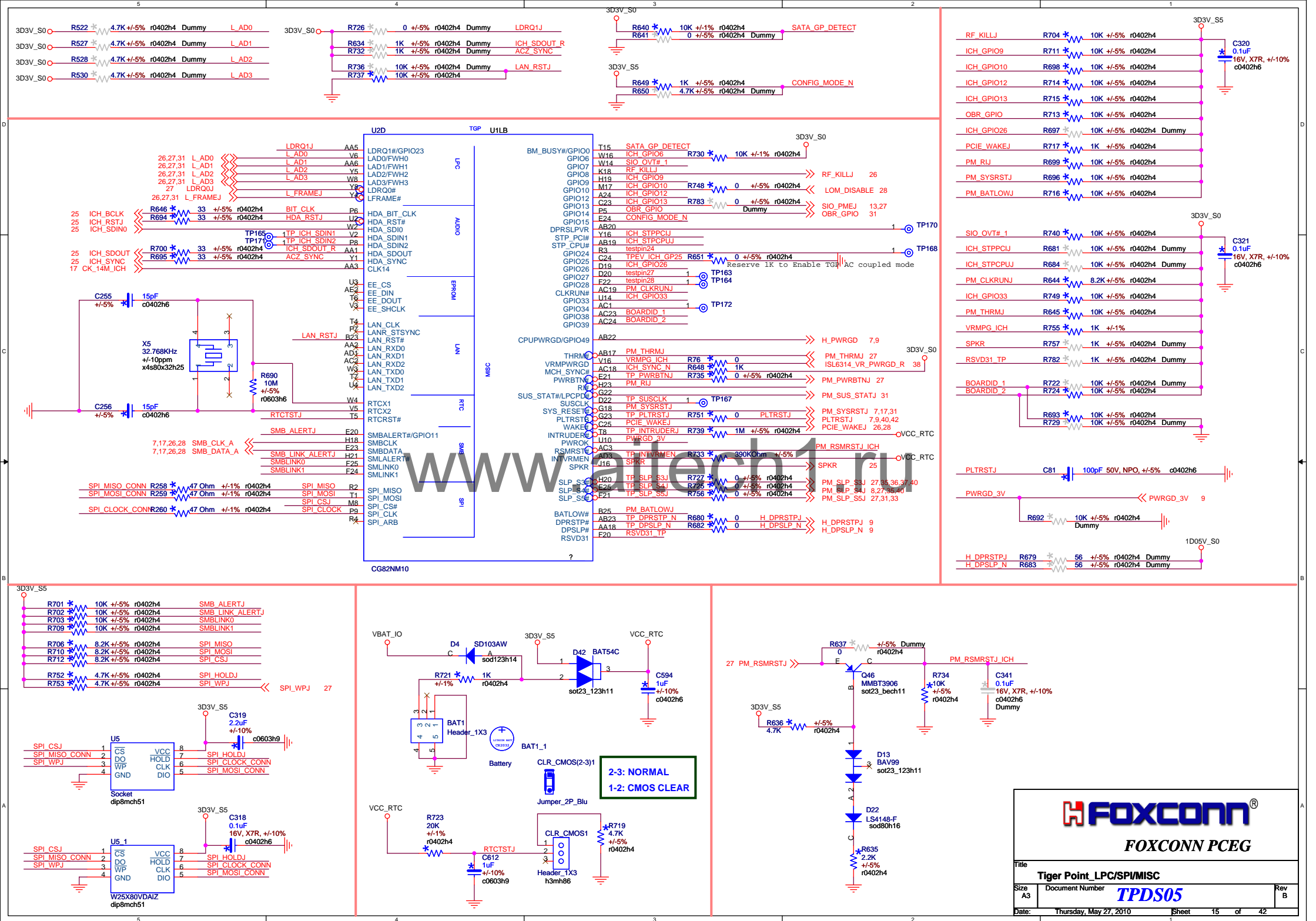
SATA HDD CONNECTOR

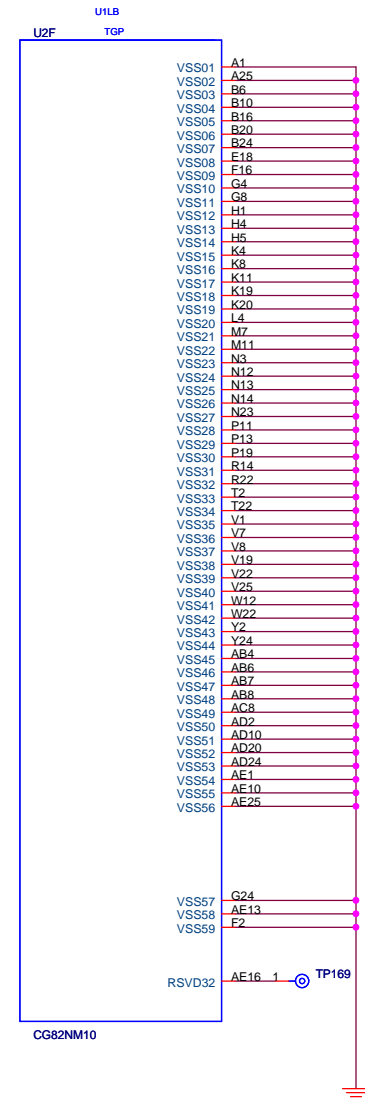
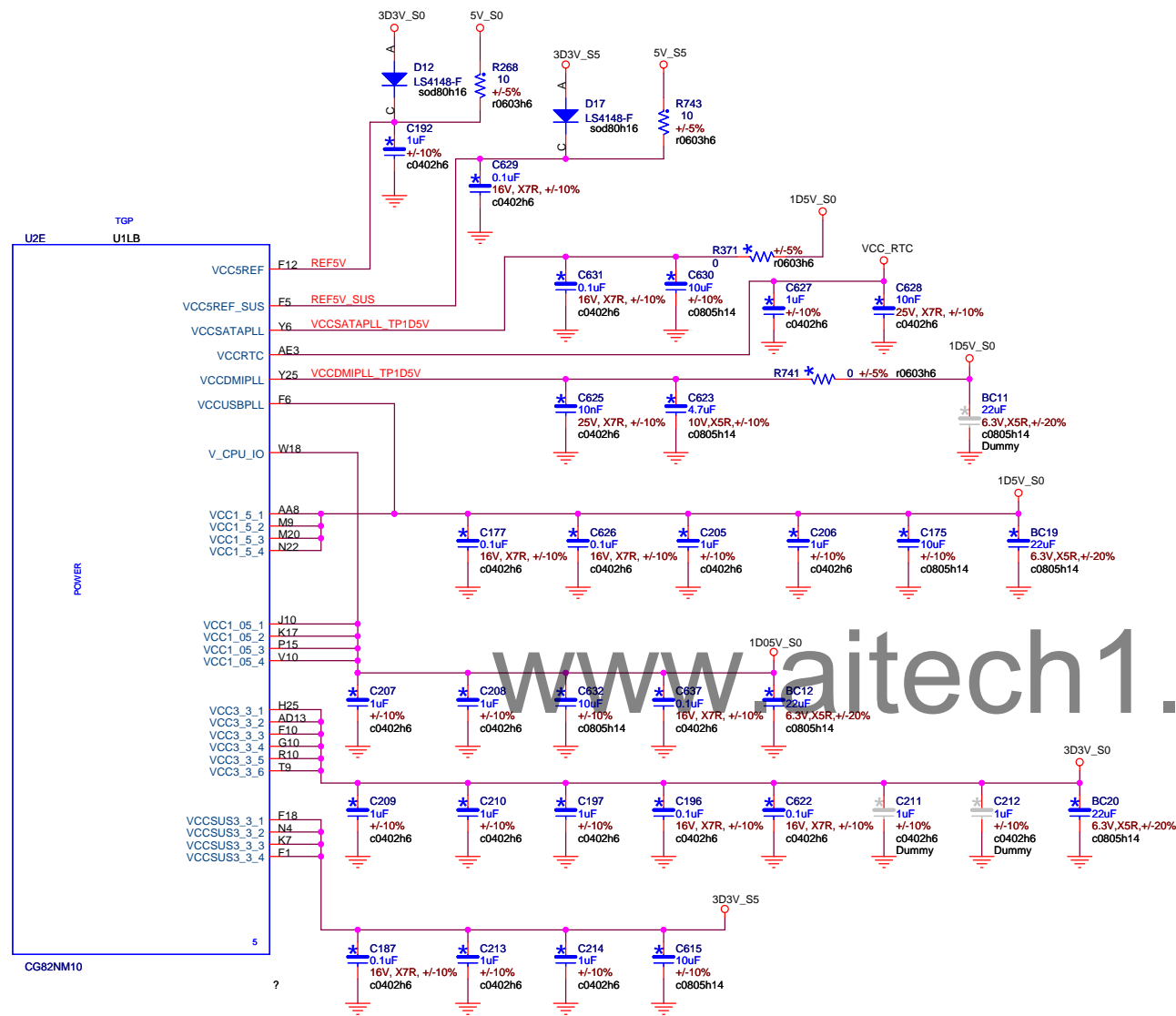
LAYOUT NOTE:
near SB



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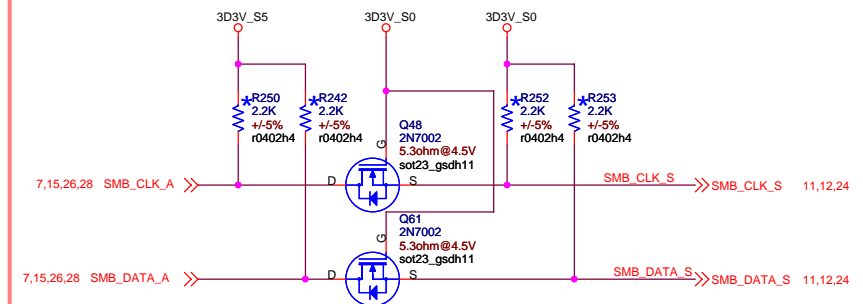
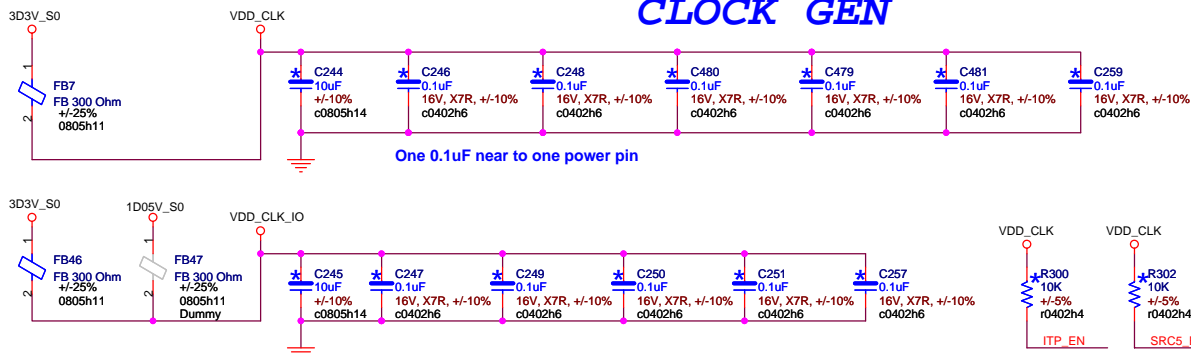




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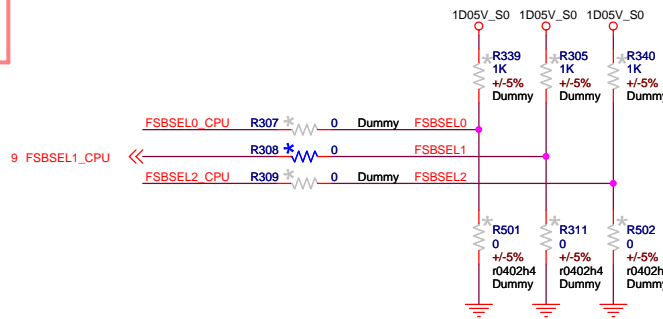
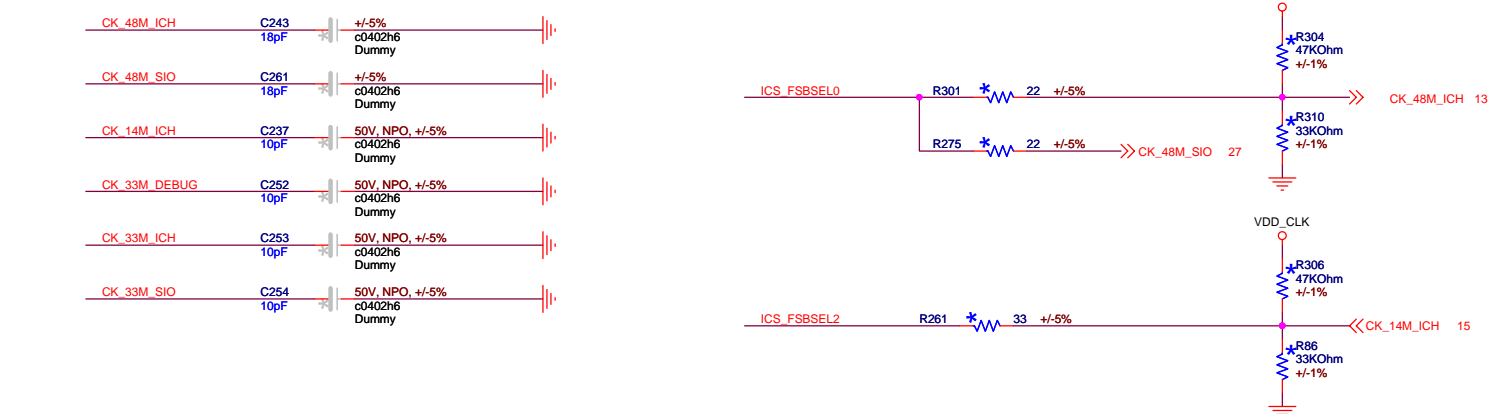
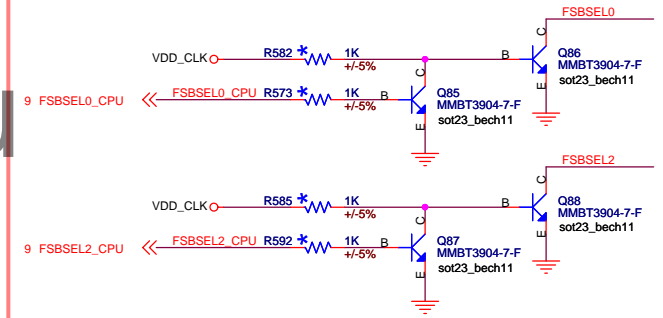
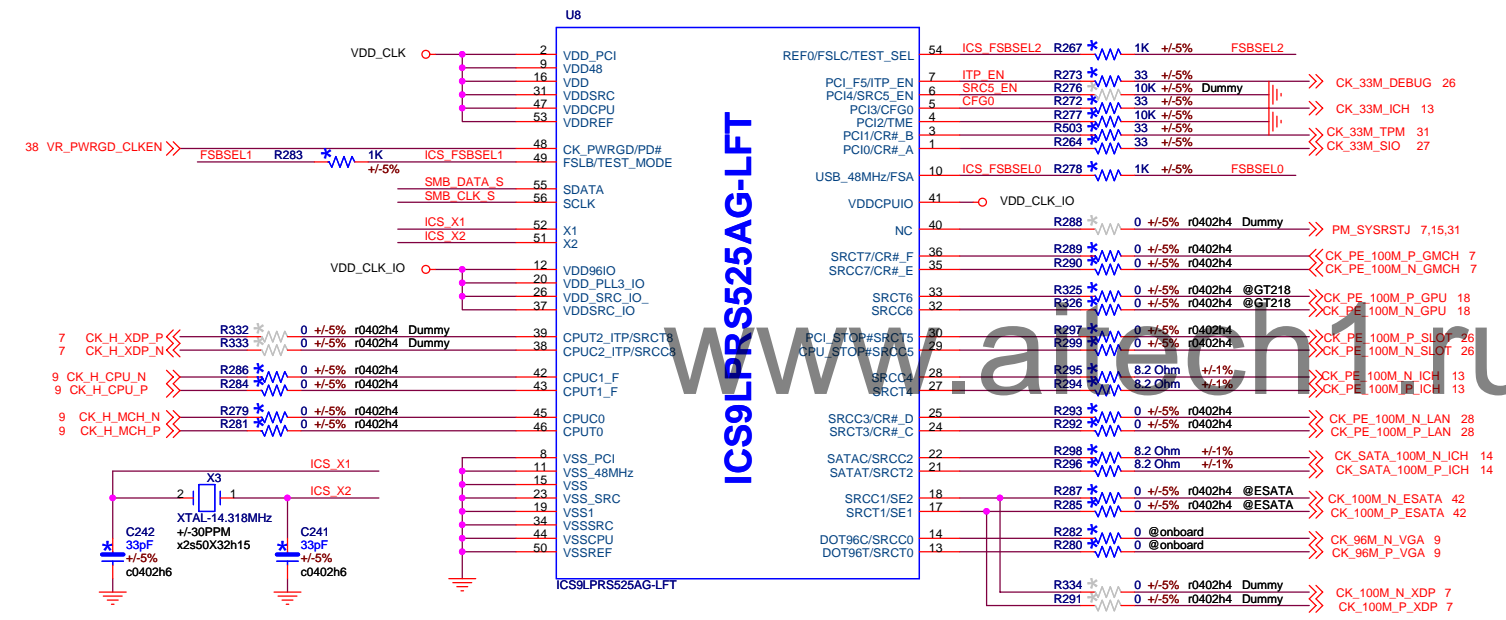
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Tiger Point_Power/GND			
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CLOCK GEN

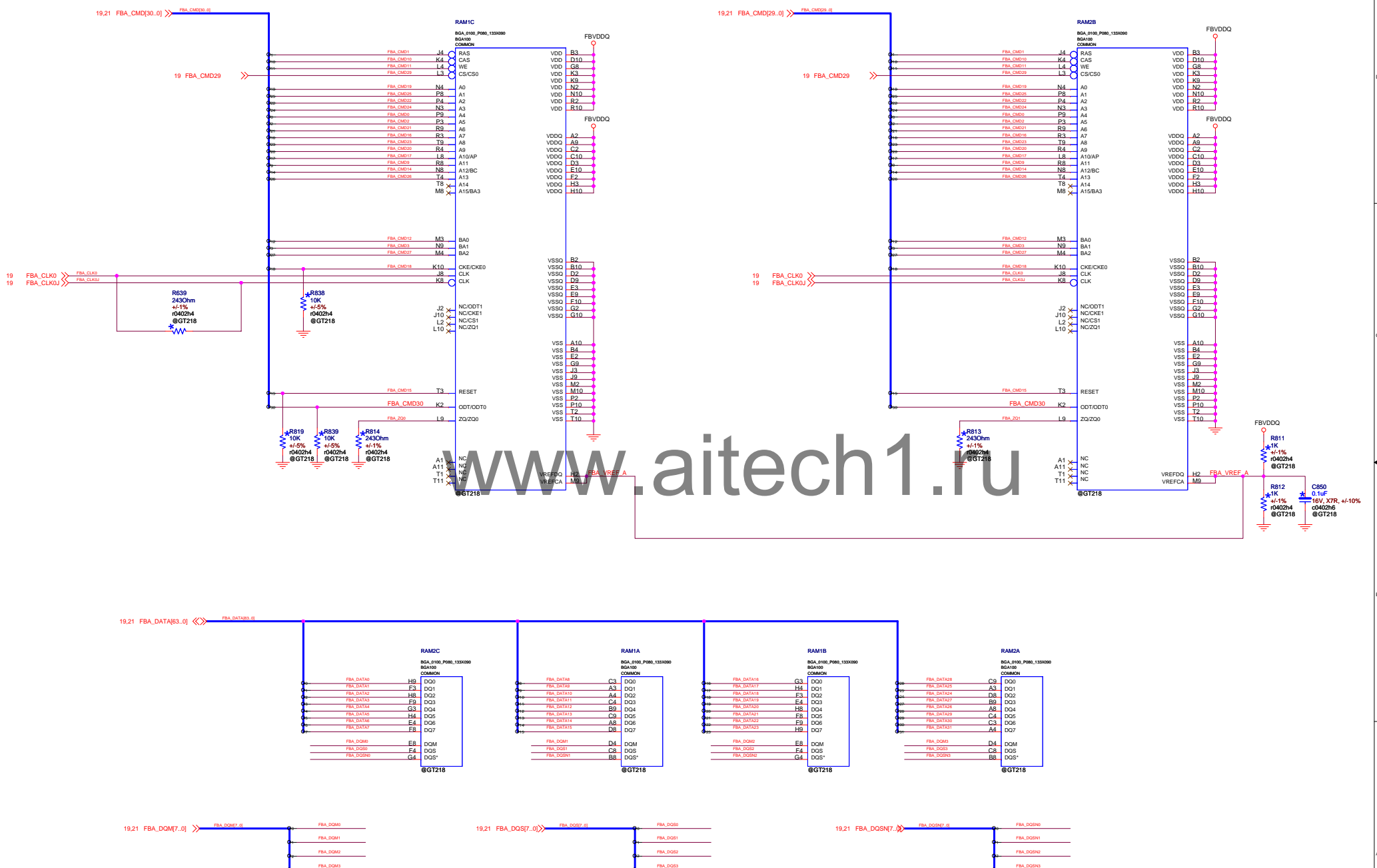


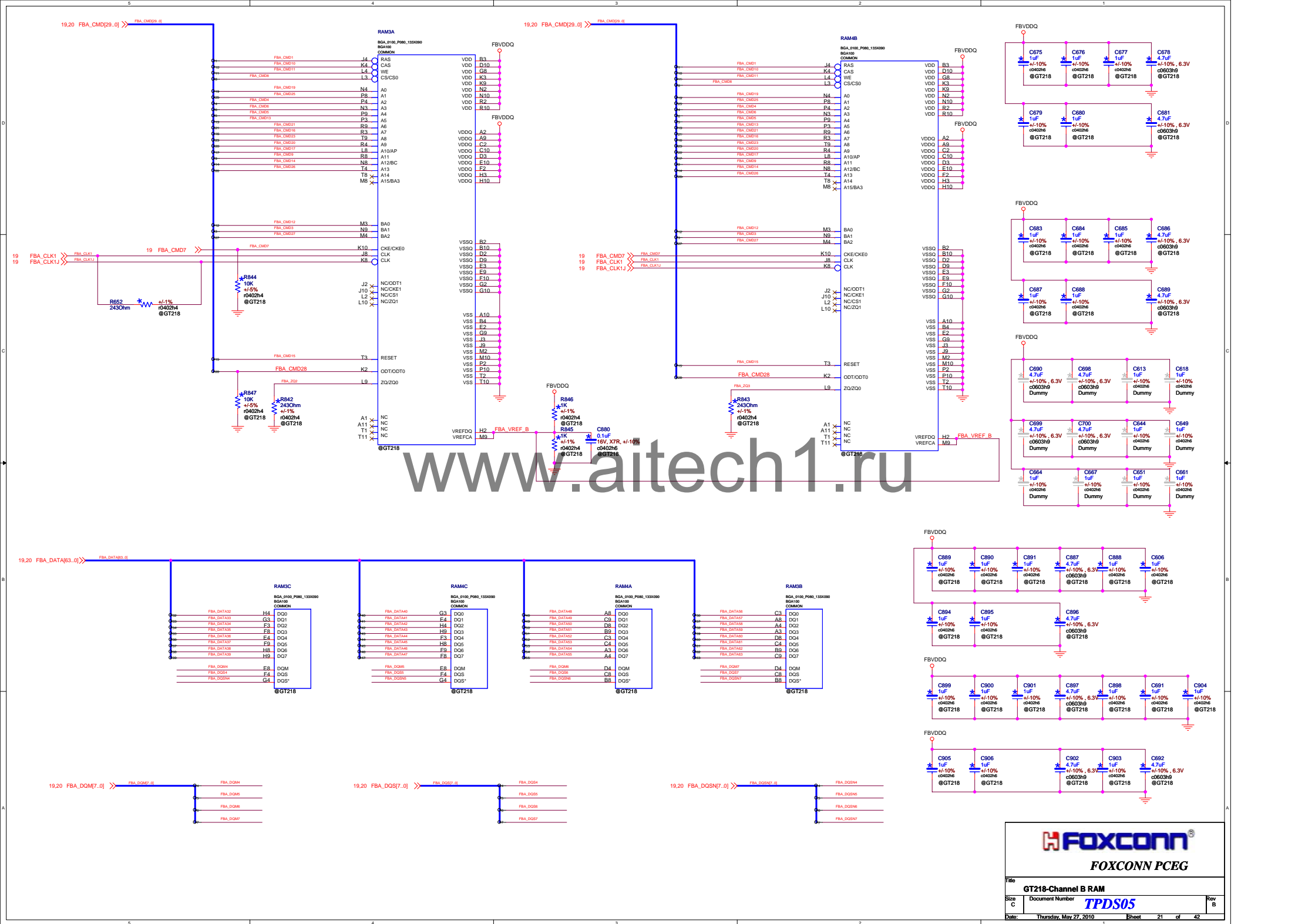
CPU, MCH and XDP BCLK FREQUENCY SELECTION TABLE

FSC BSEL2	FSB BSEL1	FSA BSEL0	Host Clock frequency MHz
0	0	1	133
0	1	1	166
0	1	0	200

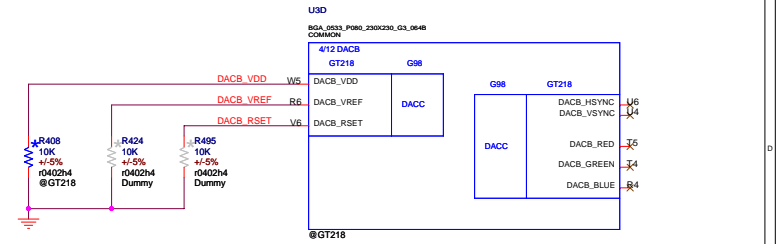
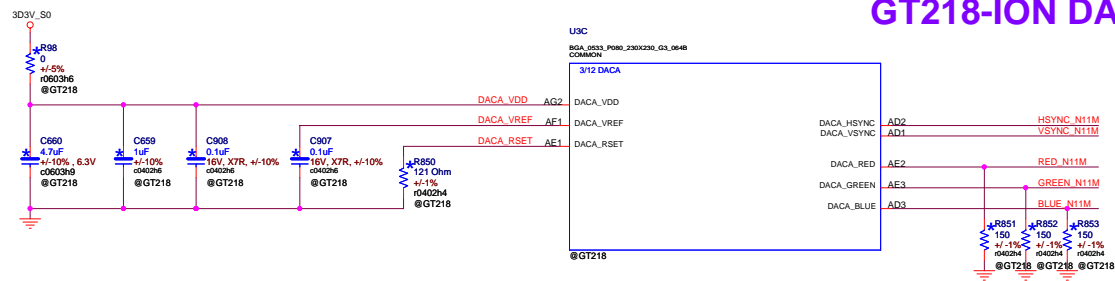


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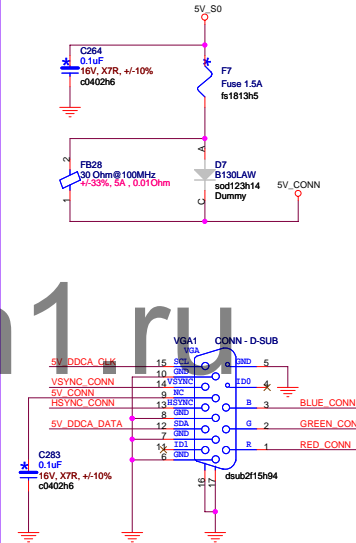




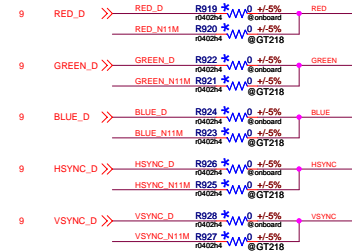
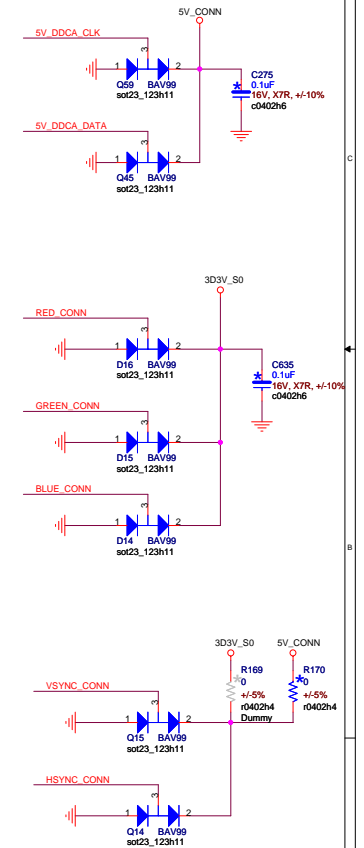
GT218-ION DAC Interface



VGA CONN



VGA ESD Schematic

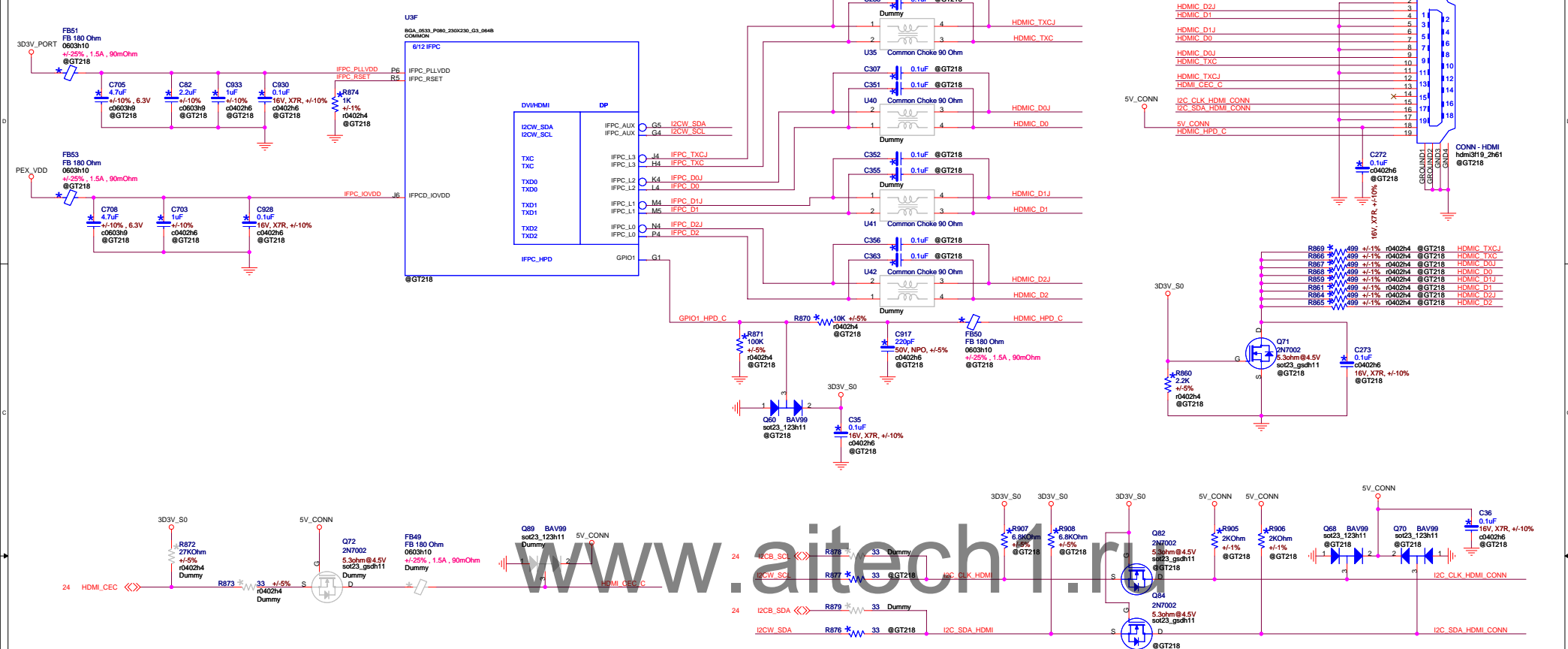


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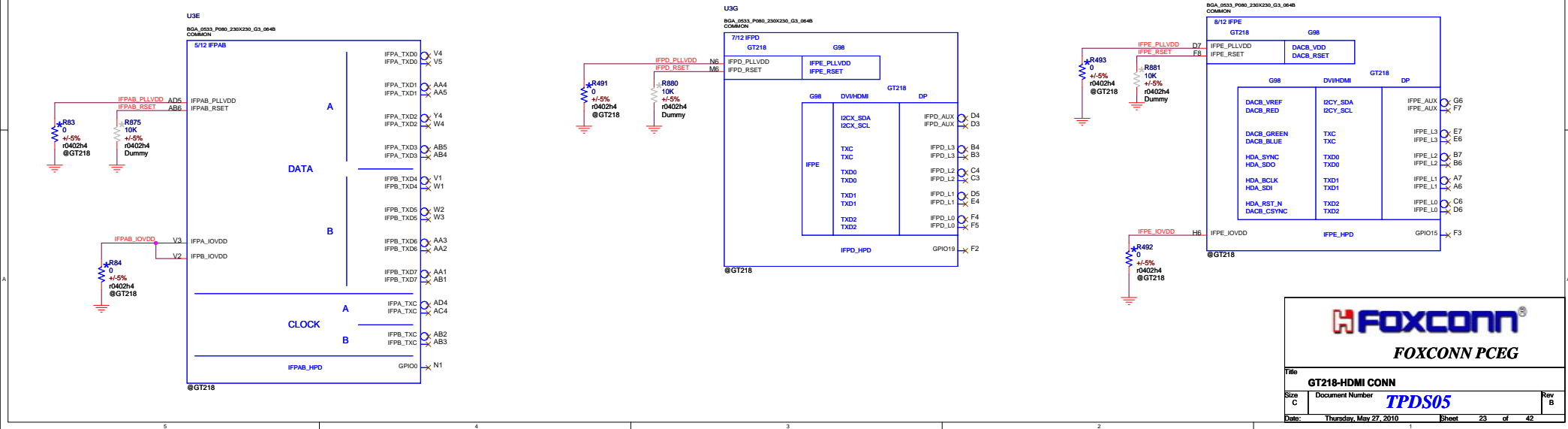
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GT218-VGA CONN			
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GT218-ION HDMI Interface

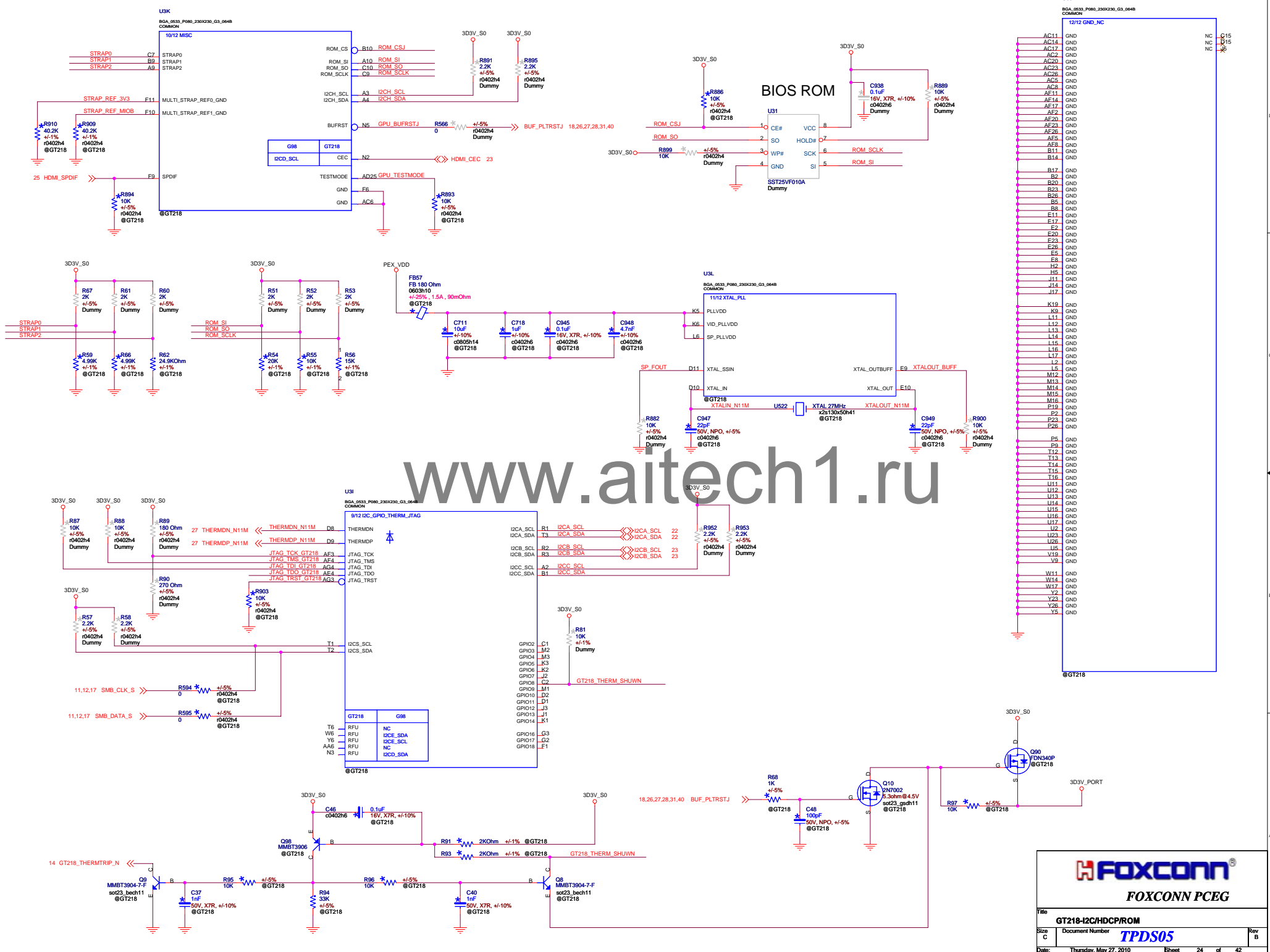


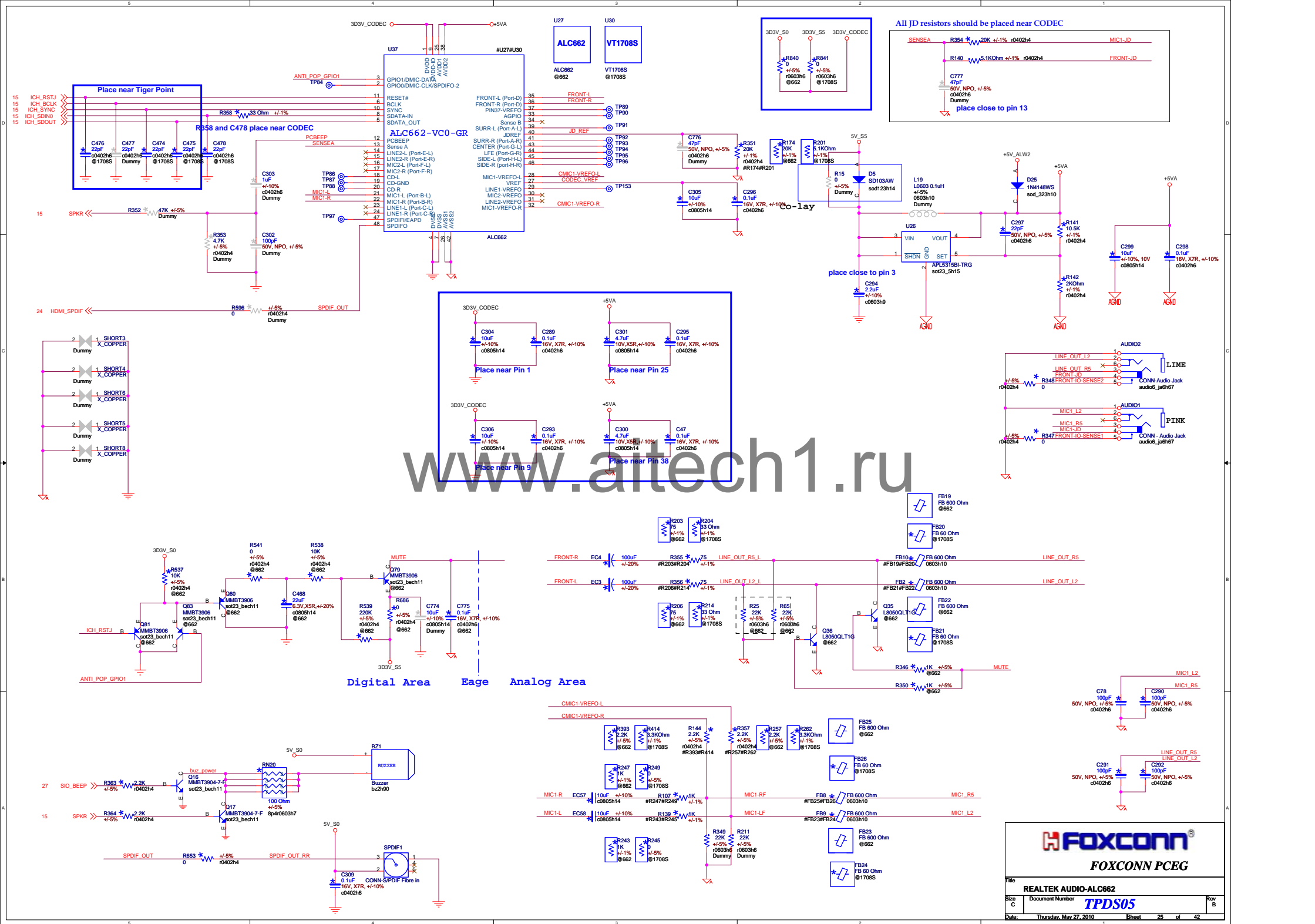
GT218-ION Unused IFP Display Interface



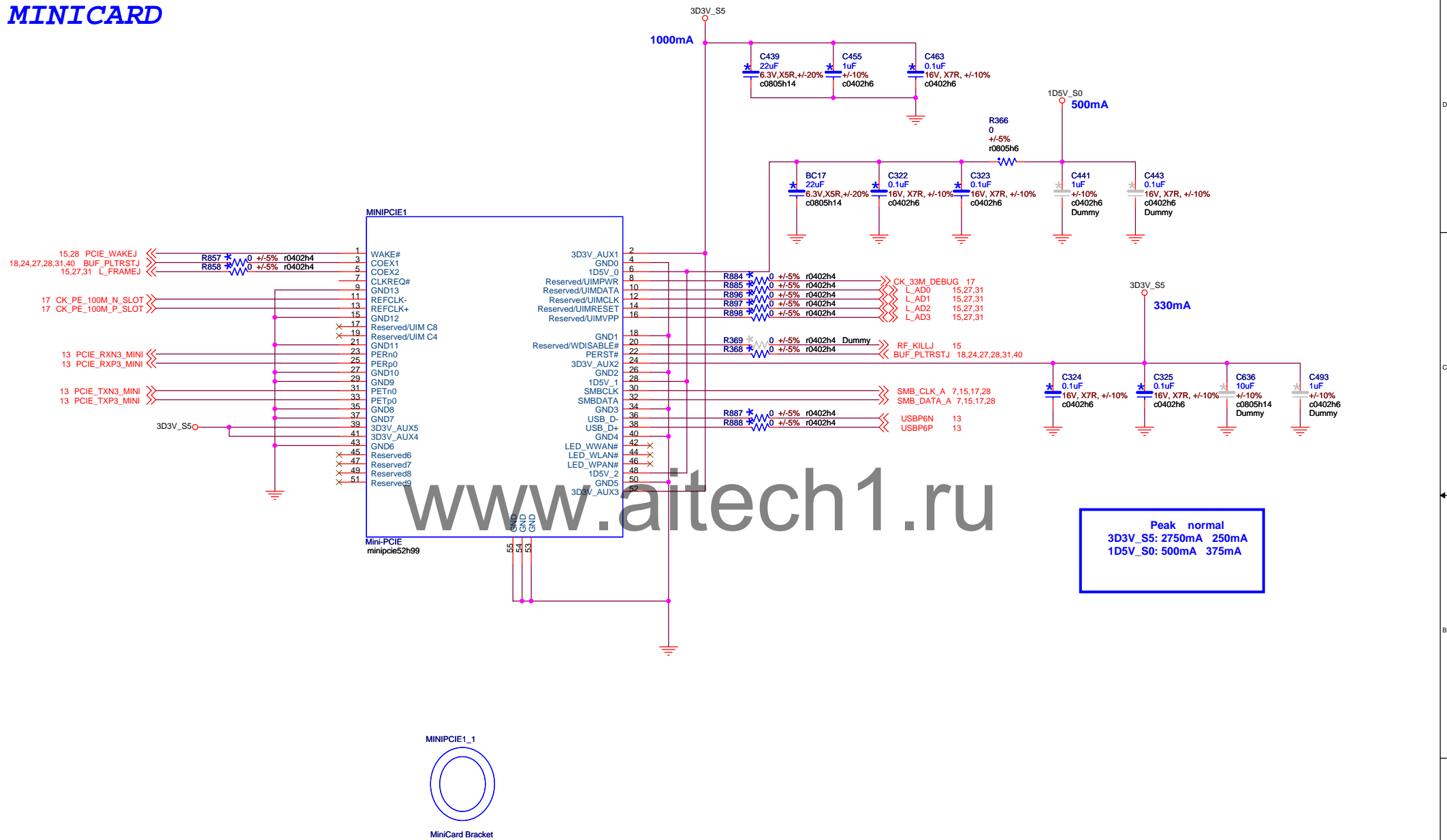
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Title			
GT218-HDMI CONN			
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MINICARD



Peak normal
3D3V_S5: 2750mA 250mA
1D5V_S0: 500mA 375mA

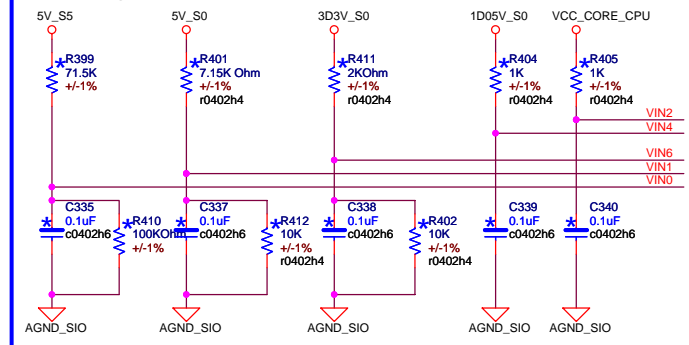
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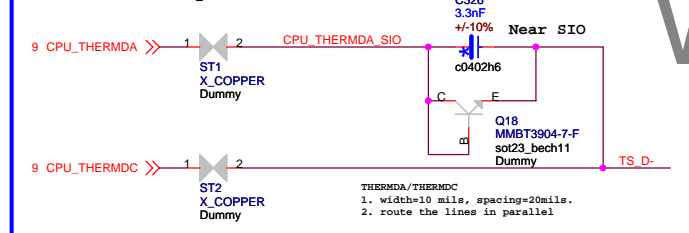
Power On Strapping Options

	Symbol	value	Description
JP3 (pin 124)	Flashseg1_EN	1	Disable
		0	Flash I/F Address Segment1 is enable
JP4 (pin 126)	K8PWR_EN	1	K8 power sequence function is disable
		0	K8 power sequence function is enable
JP3 & JP5 (pin124&pin 4)	FAN_CTL_SEL	11	The default of EC index 63h/6Bh/73h is 80h
		10	The default of EC index 63h/6Bh/73h is FFh
		01	The default of EC index 63h/6Bh/73h is 00h
		00	The default of EC index 63h/6Bh/73h is 40h
JP5 (pin 46)	WDT_EN	1	Disable WDT
		0	Enable WDT to reset PWROK1/2/3

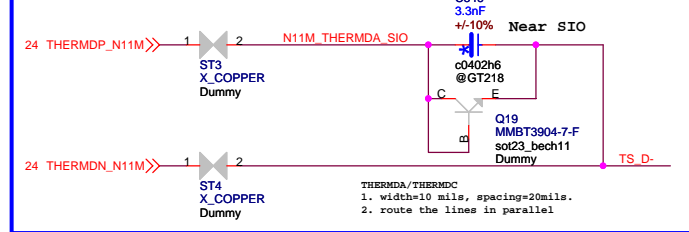
Voltage Monitor



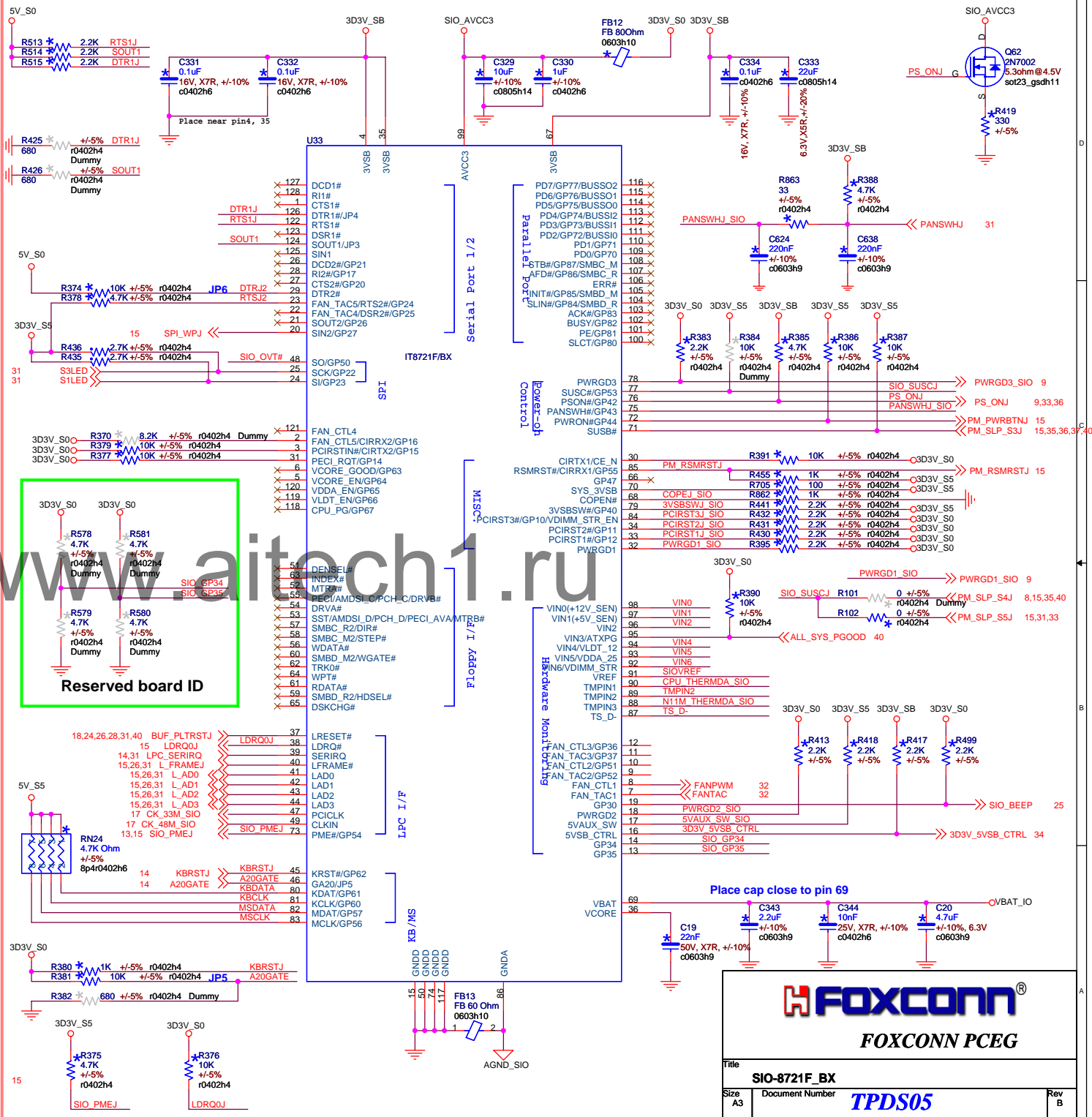
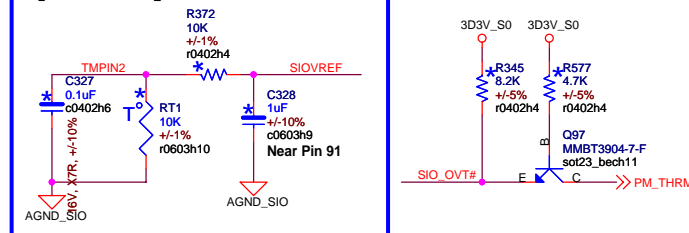
CPU Temperature Monitor



GPU Temperature Monitor

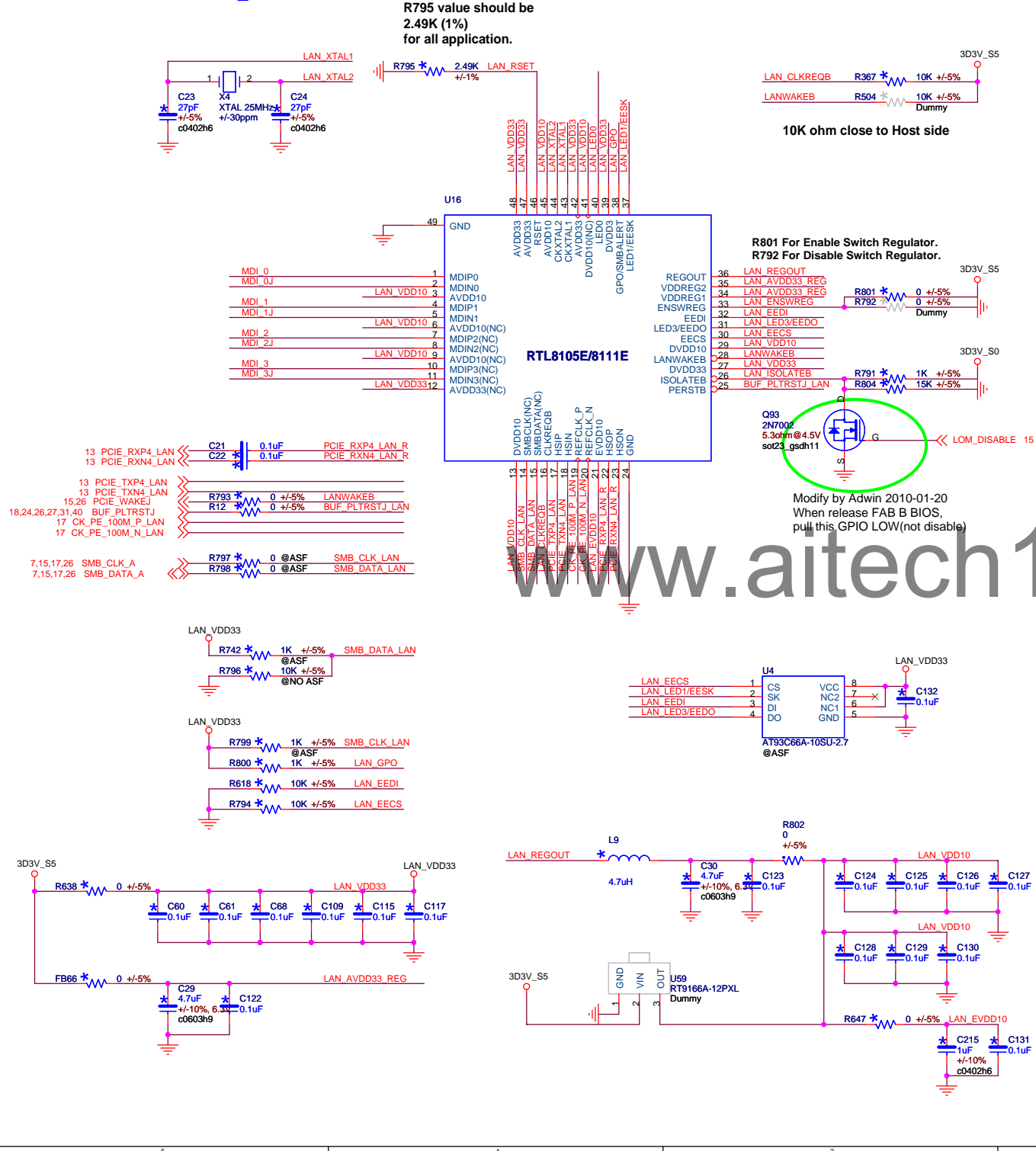


System Temperature Monitor

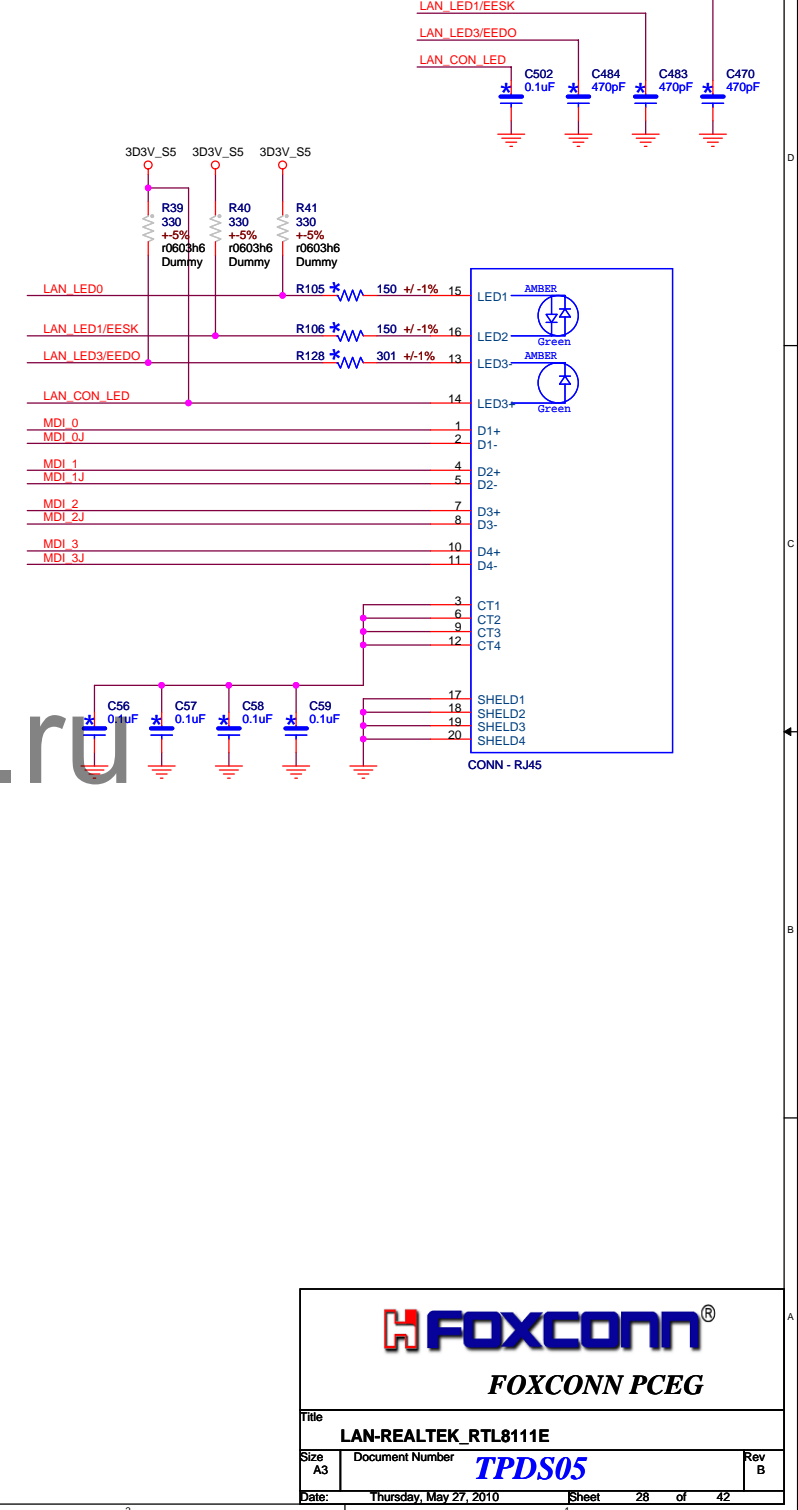


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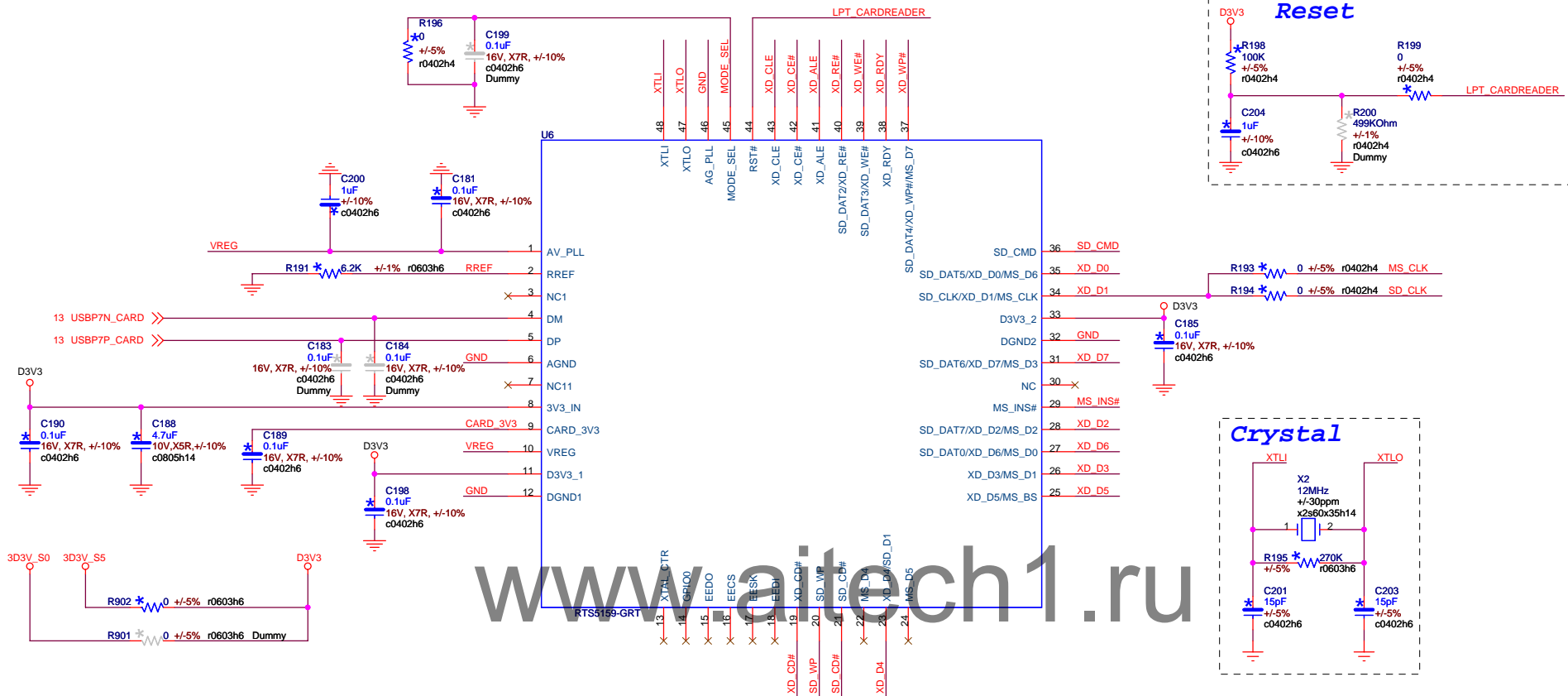
PCIE LAN Chipset



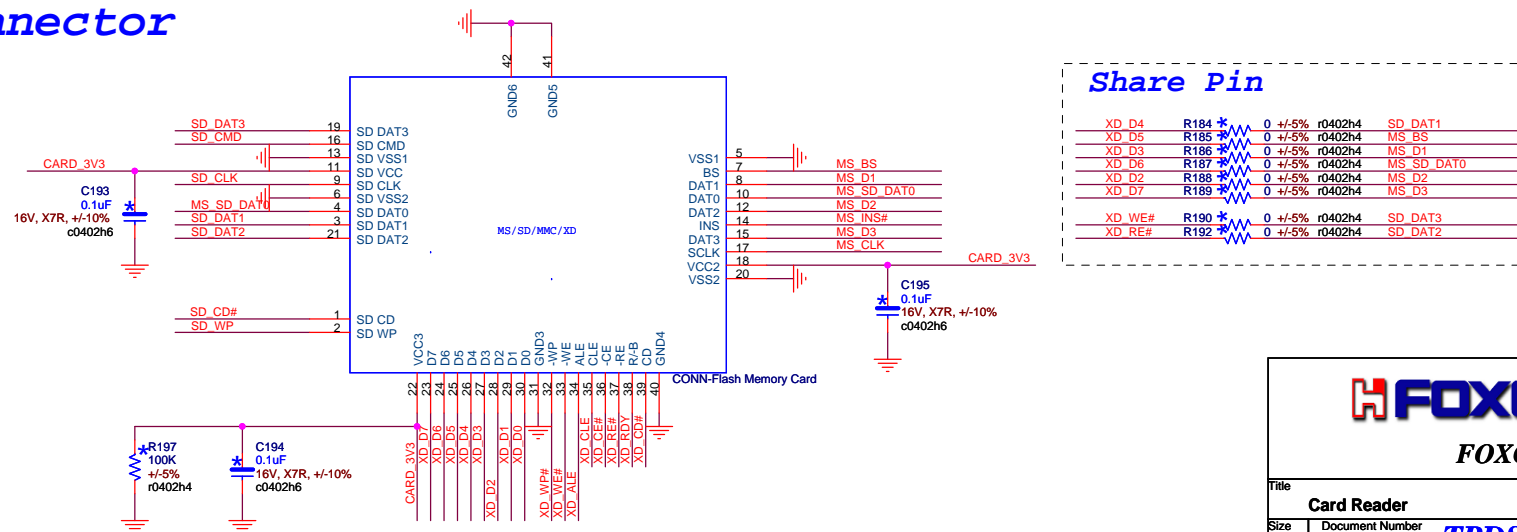
LAN Connector



Card Reader Chipset



Card Reader Connector



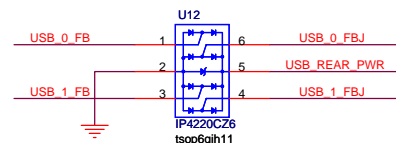
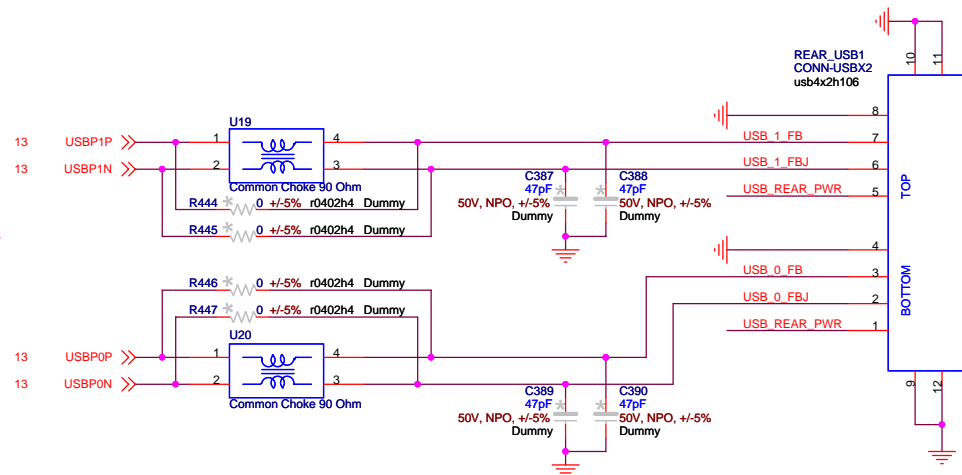
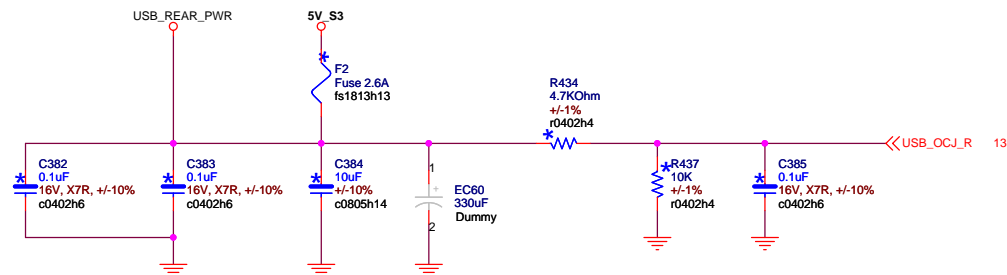
FOXCONN PCEG

Title	Card Reader
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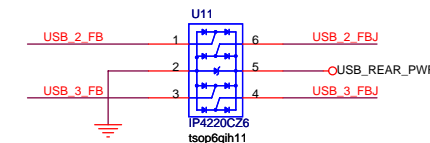
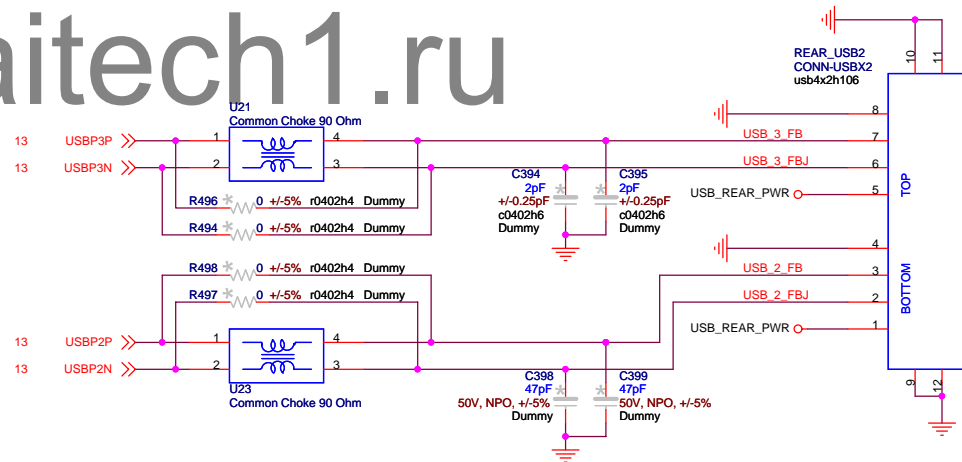
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REAR USB1



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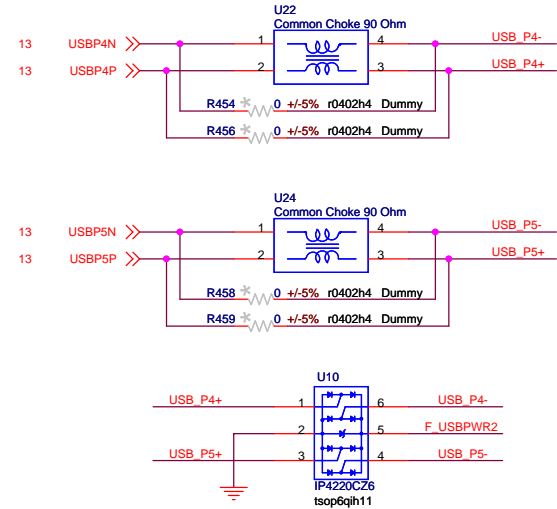
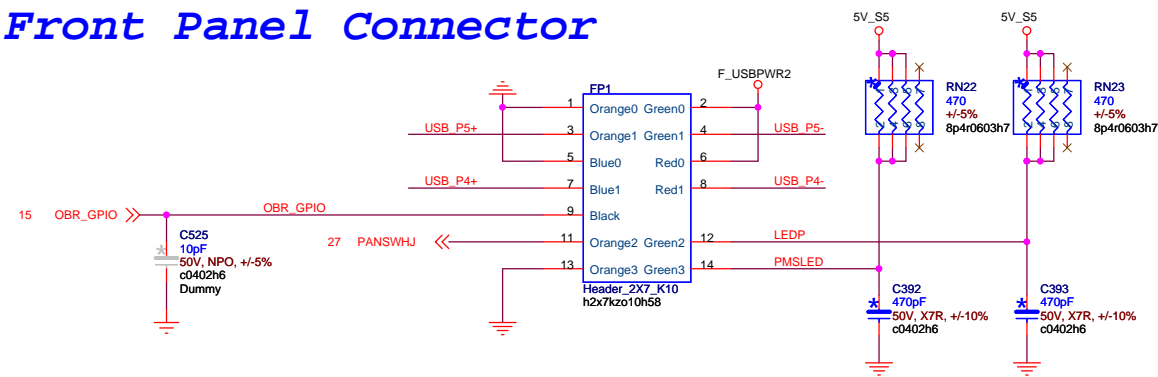


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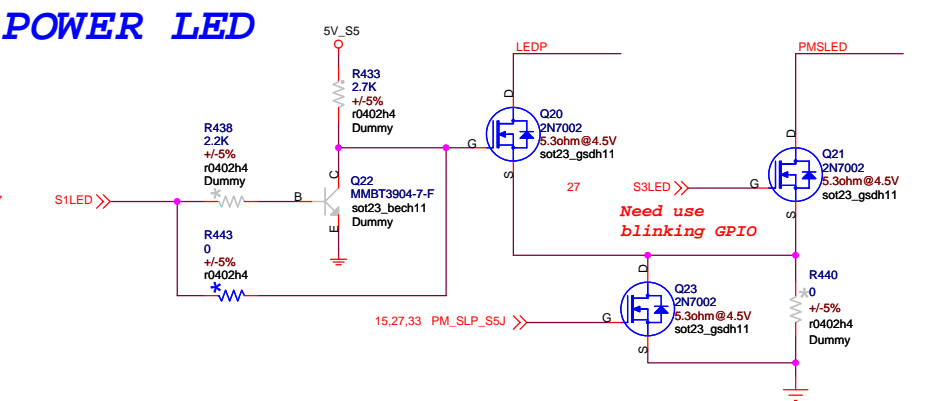
FOXCONN PCEG

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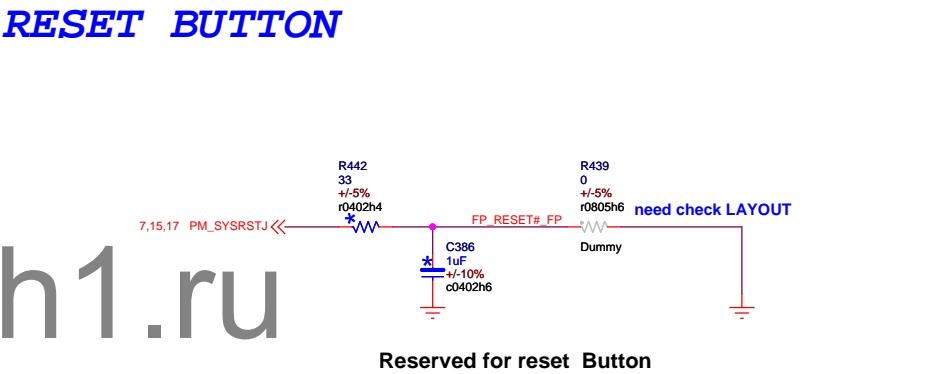
Front Panel Connector



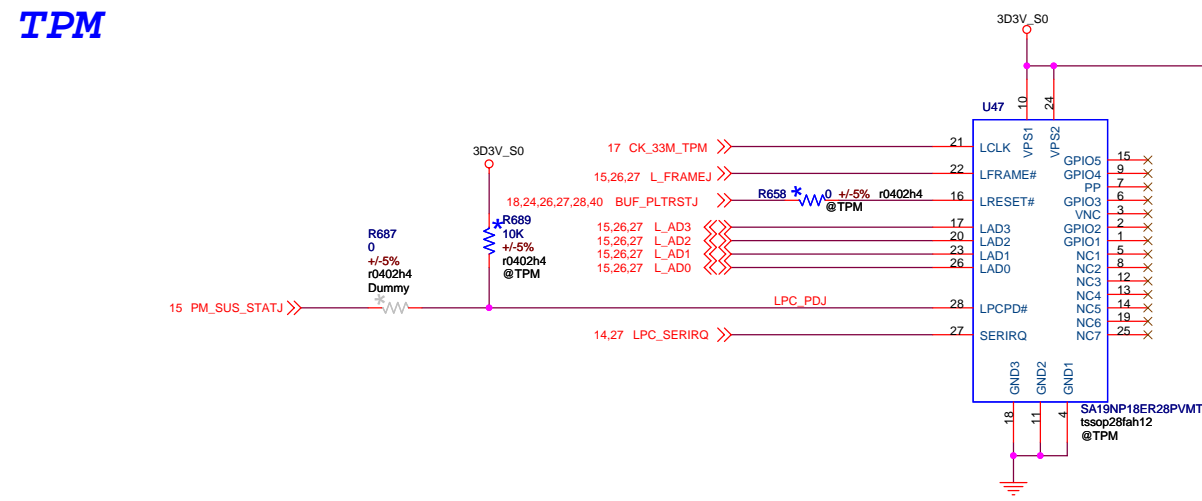
POWER LED



RESET BUTTON



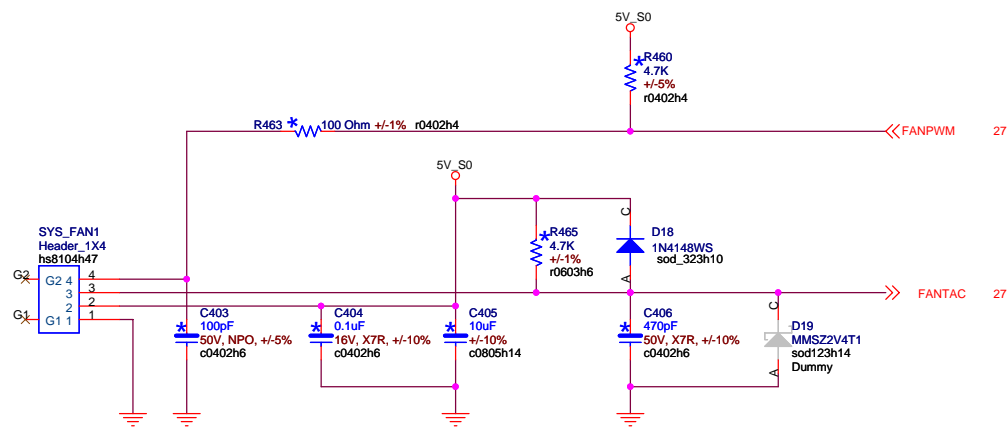
TPM



FOXCONN PCEG

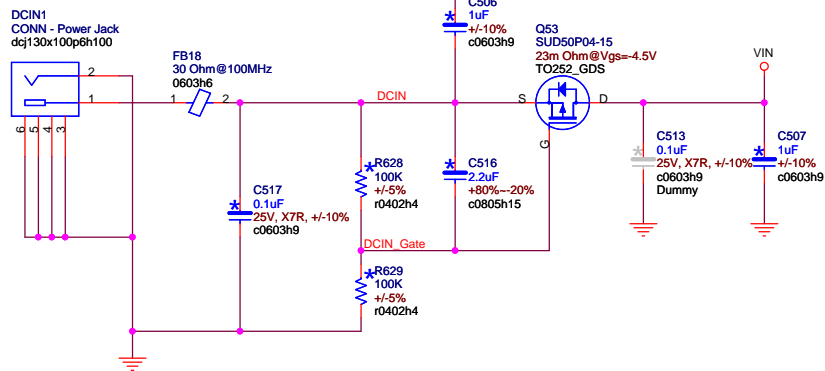
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SYS FAN

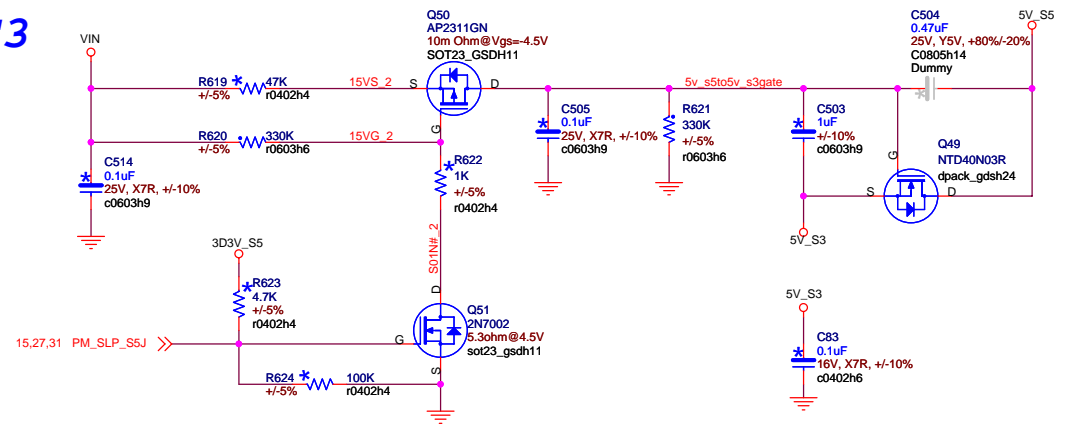


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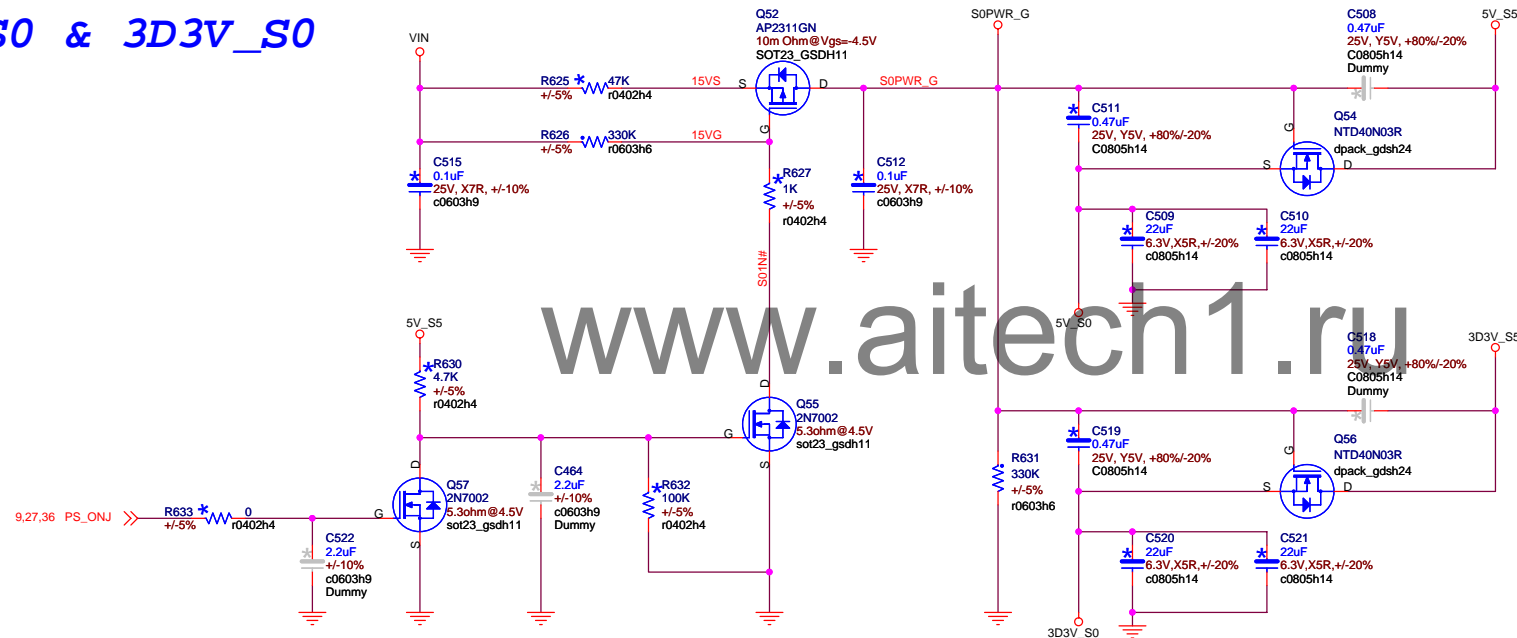
VIN



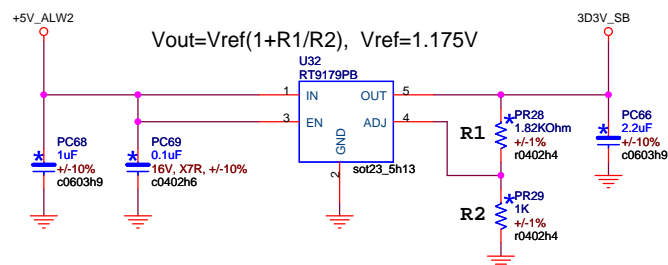
5V_S3



5V_S0 & 3D3V_S0



3D3V_SB

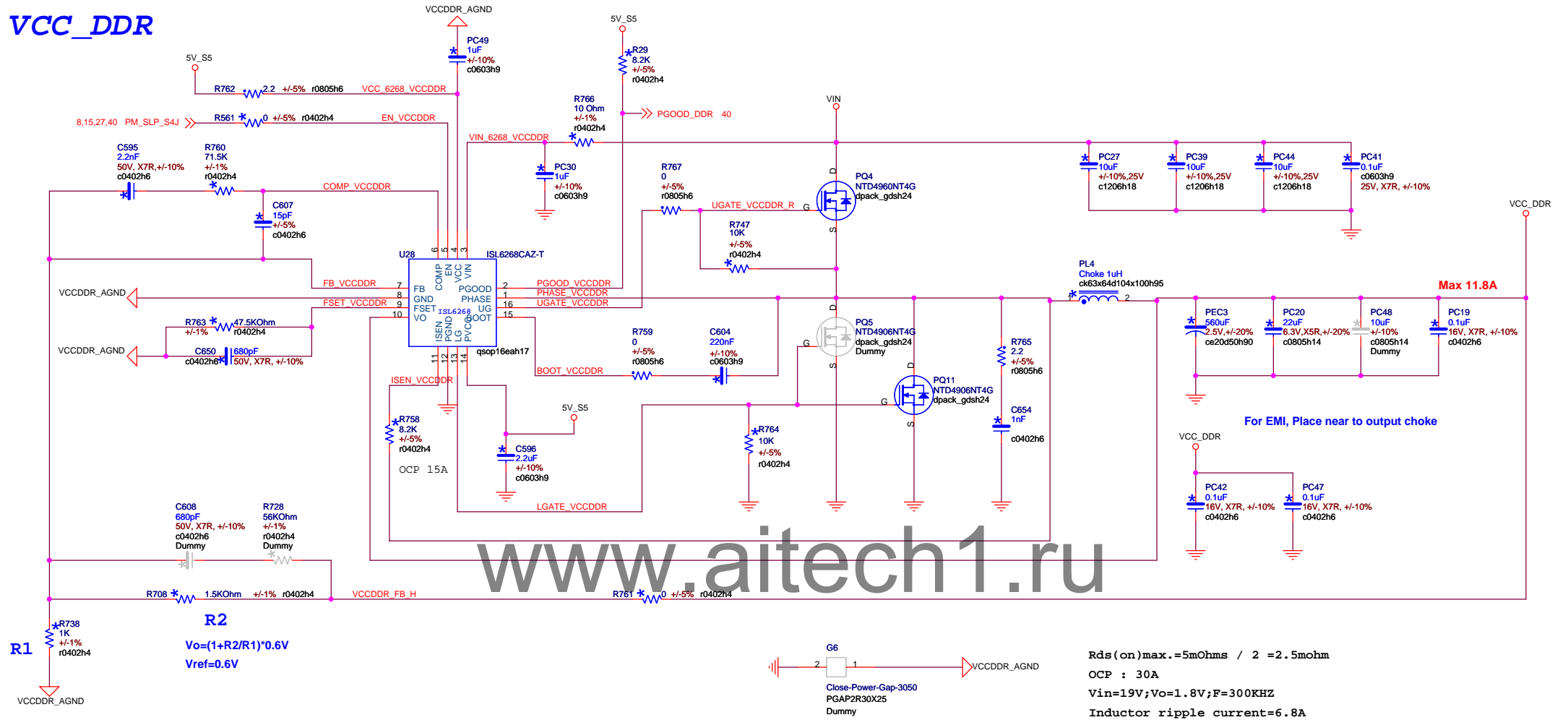


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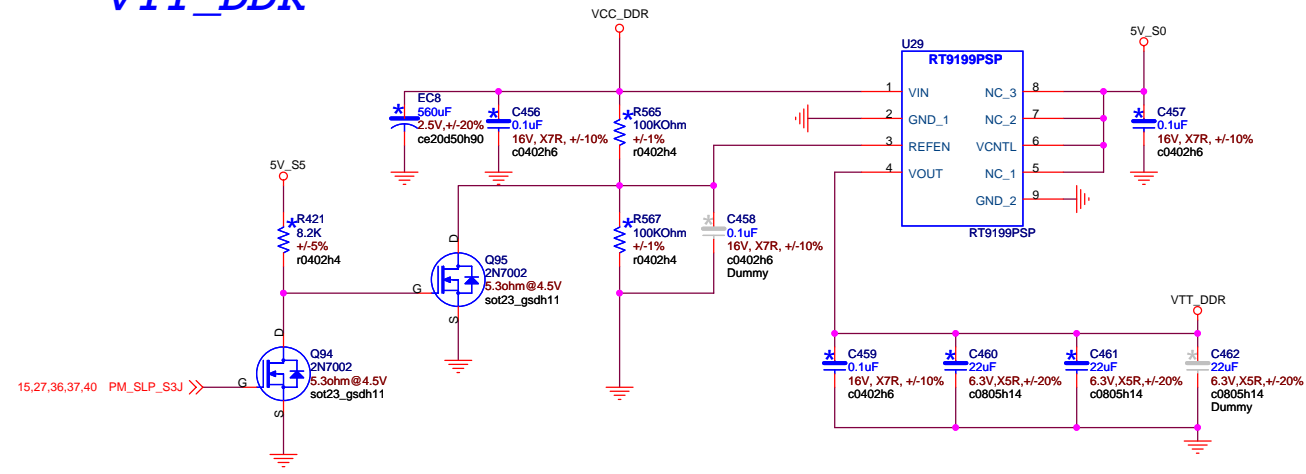
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Title		
POWER_PLANE/3D3V_SB		
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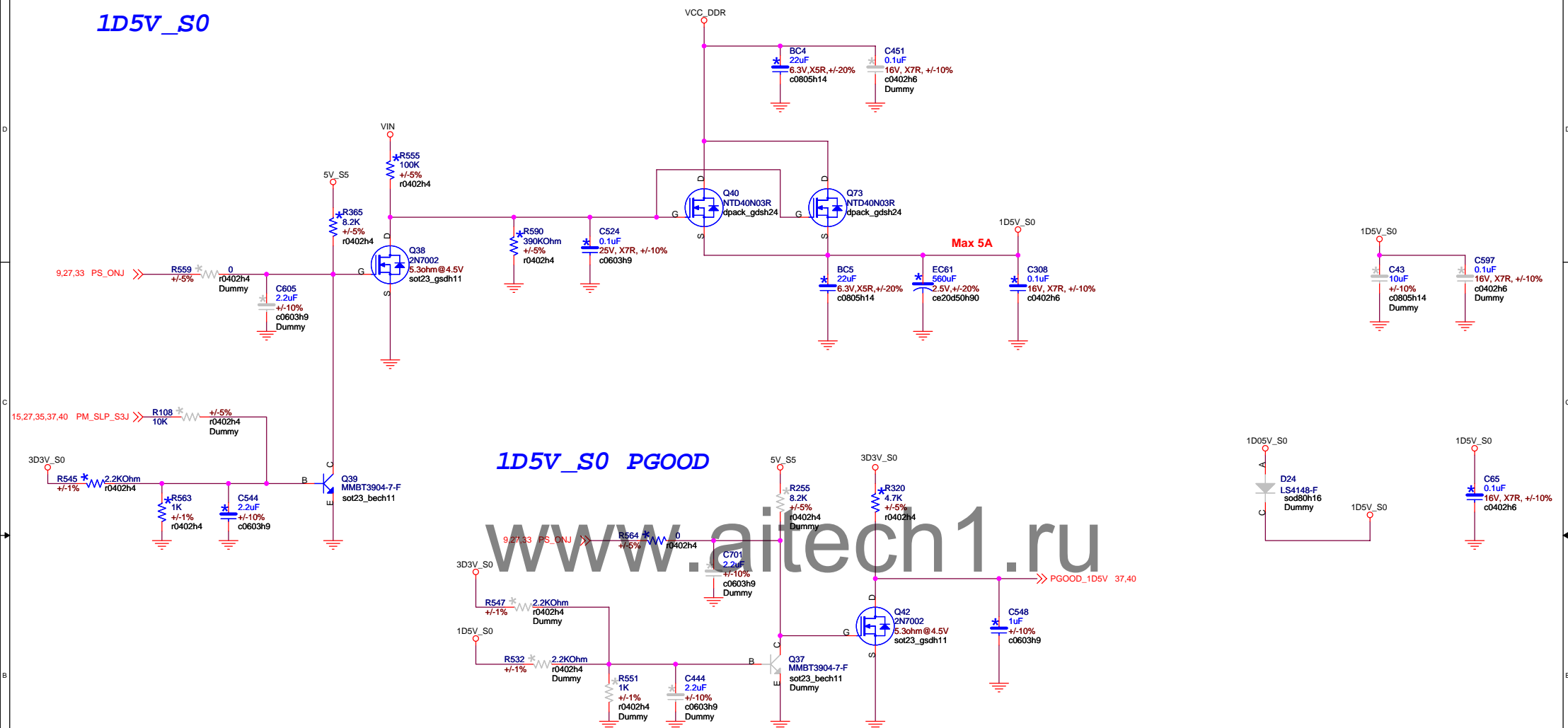
VCC_DDR



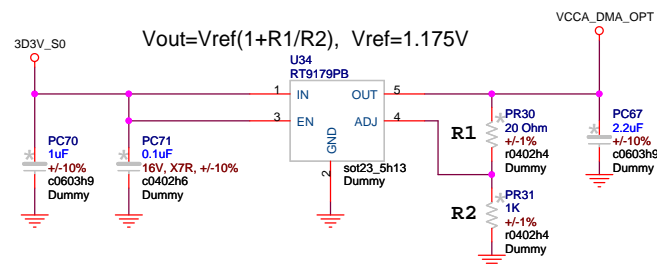
VTT_DDR



1D5V_S0



VCCA_DMA_OPT for Pine Trail D Rev_A0

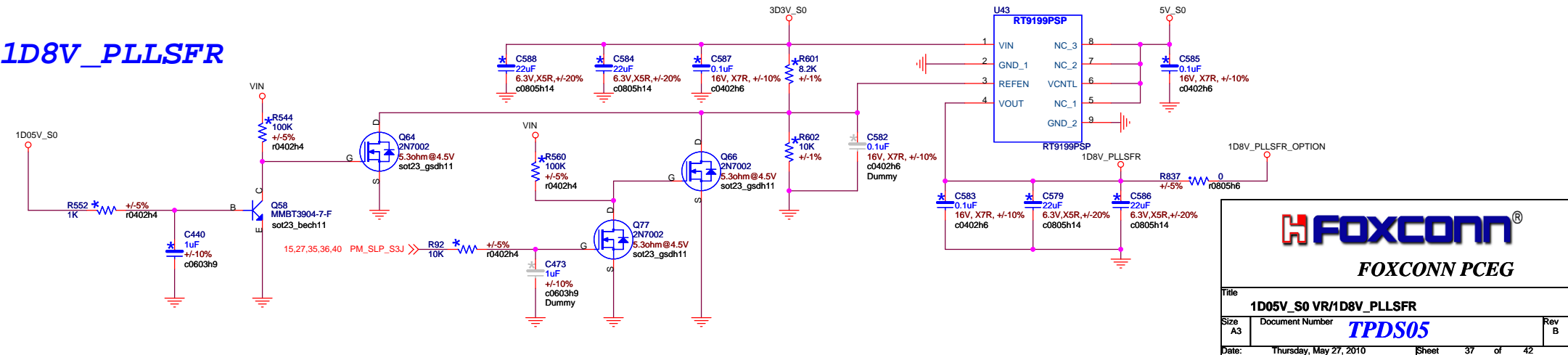


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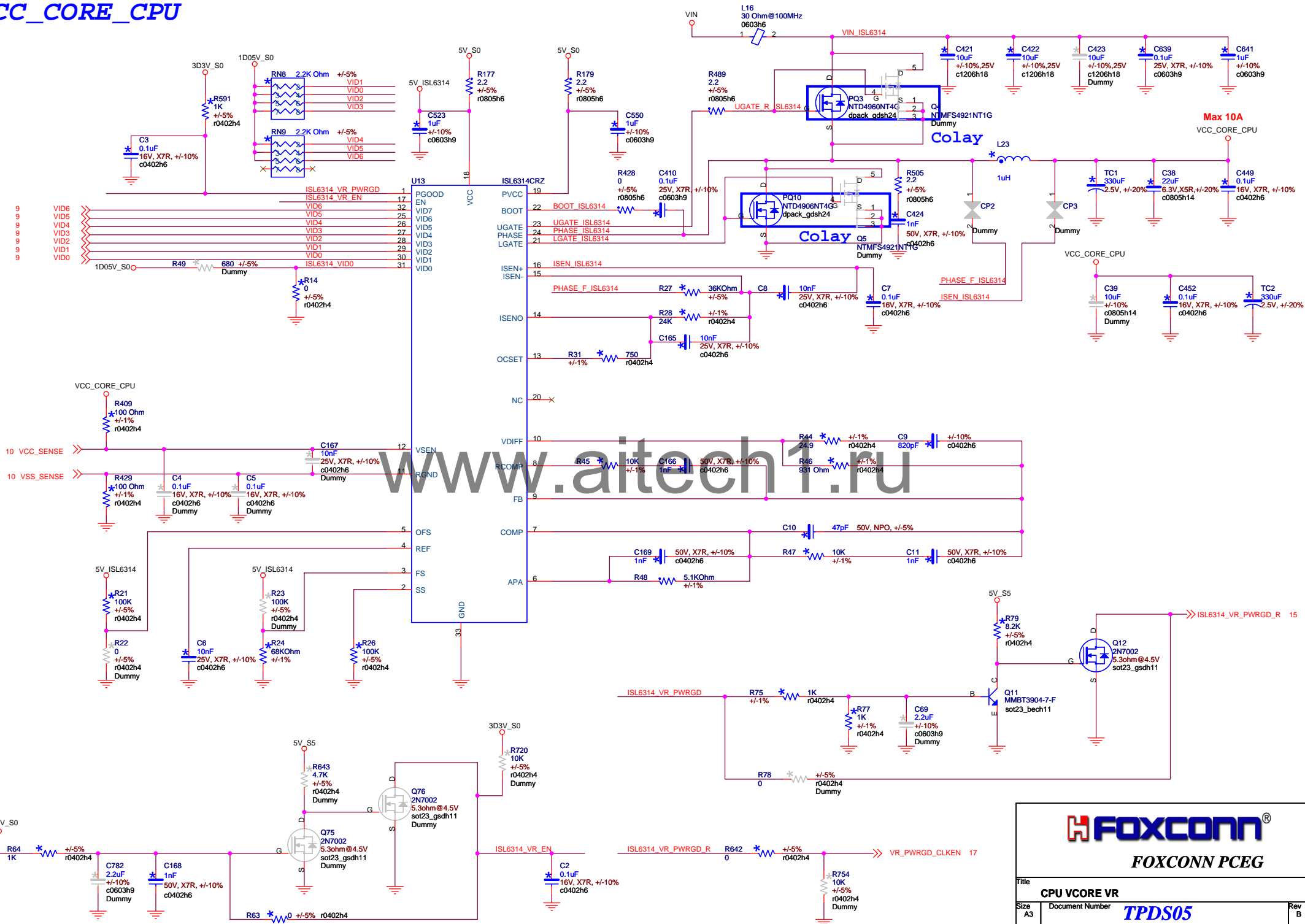
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Title		
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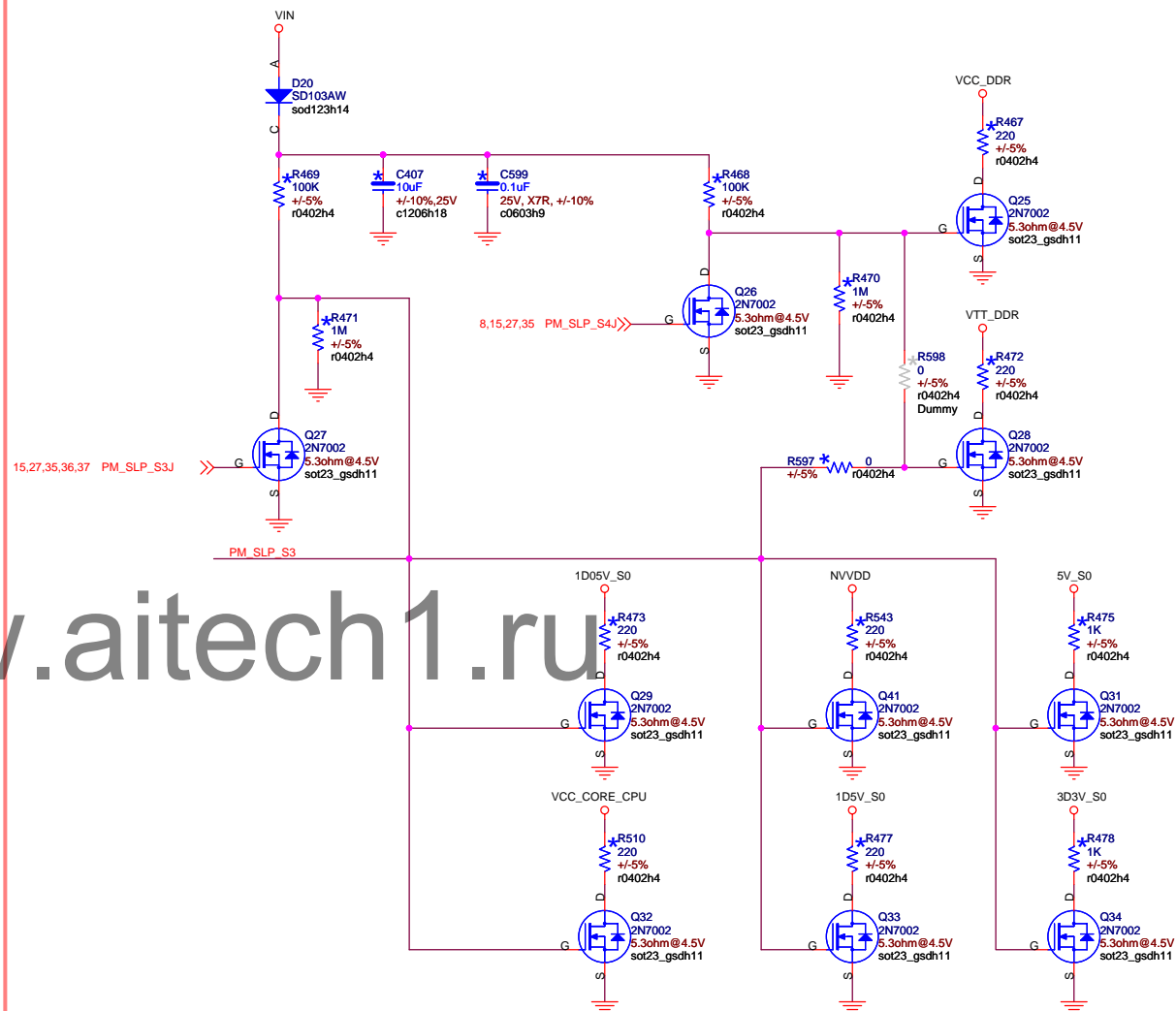
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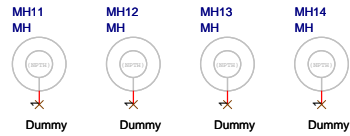
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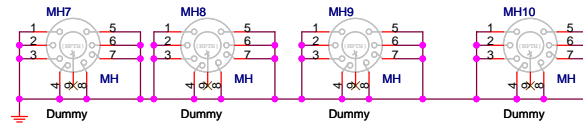
DC RAIL



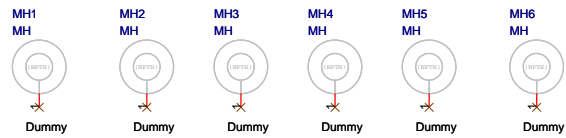
For Thermal Module



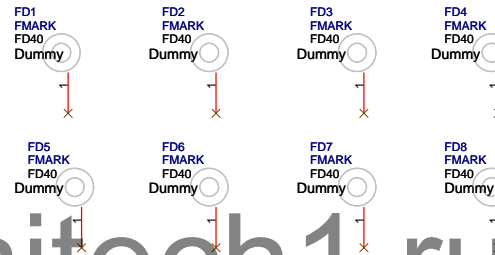
For M/B



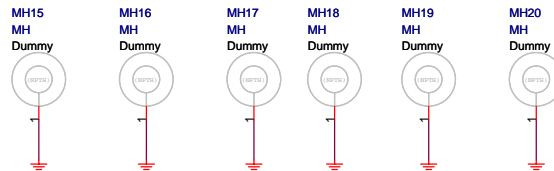
For HDD



For MASK



For EMC

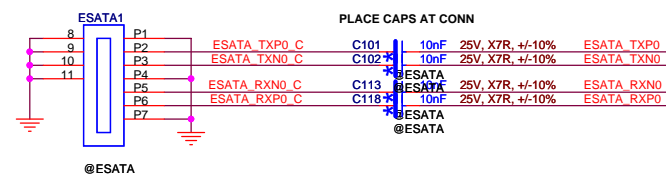
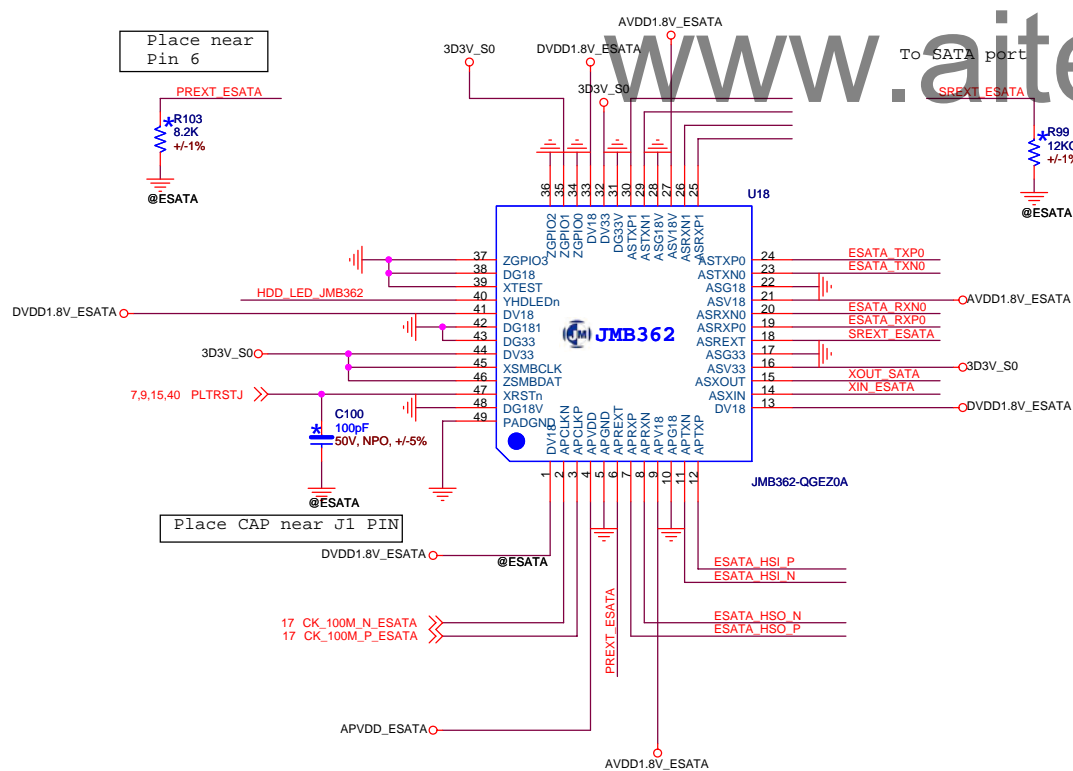
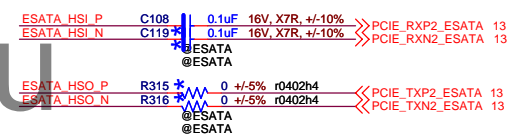
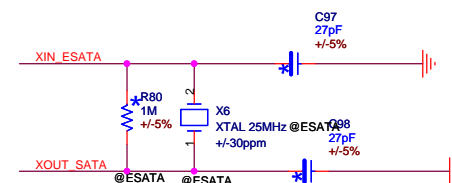
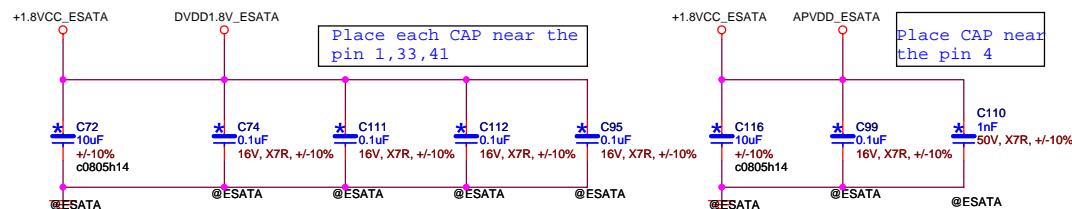
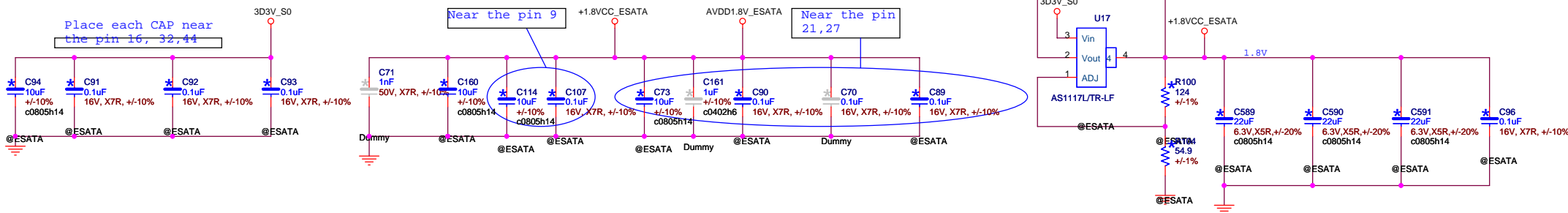


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