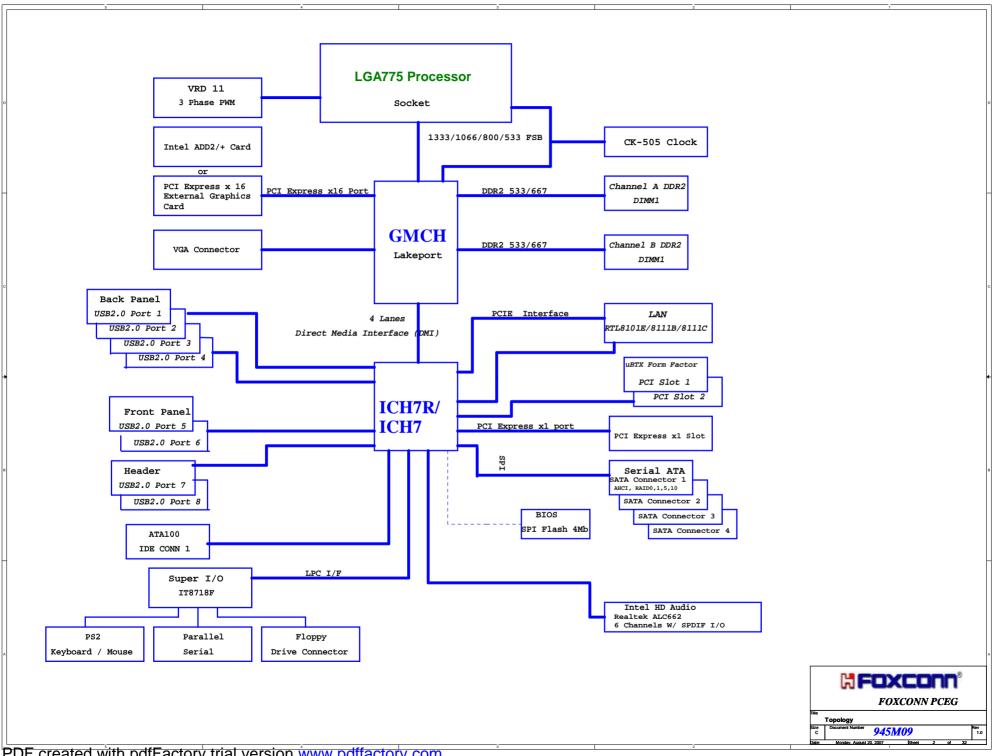
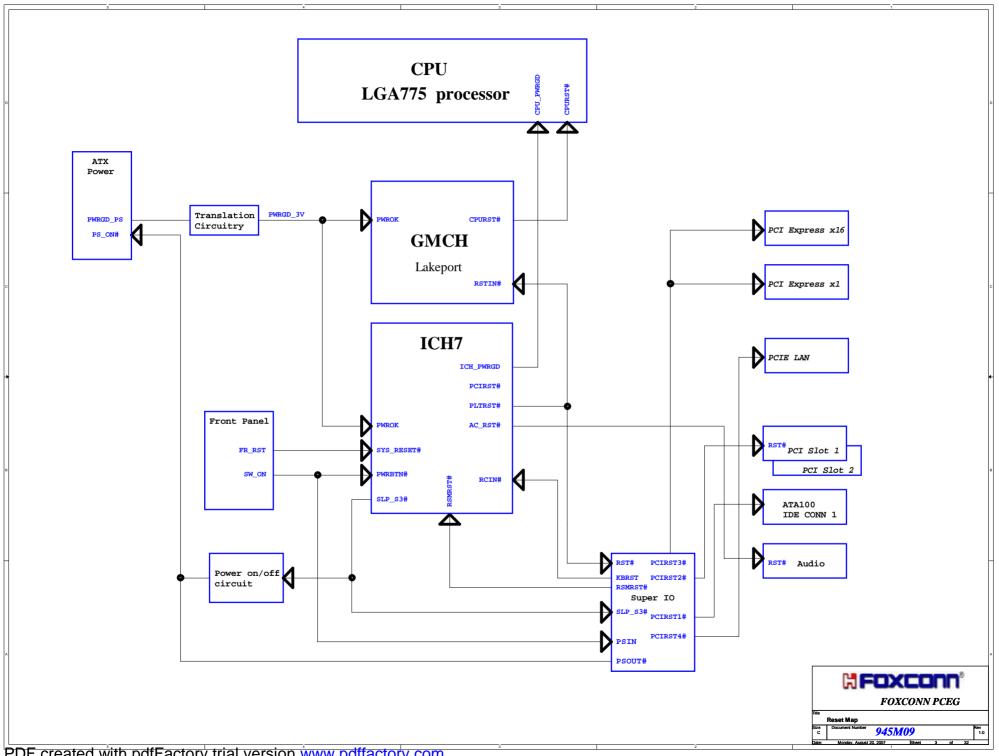
Foxconn Precision Co. Inc. 945M09 Schematic

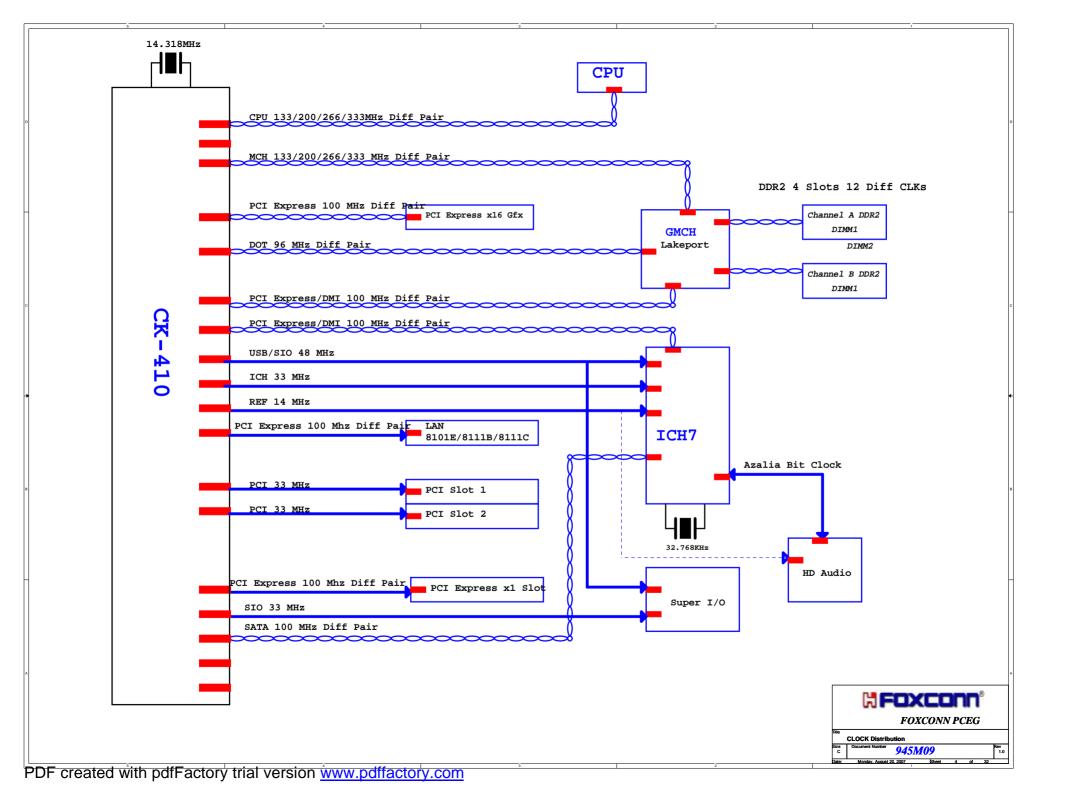
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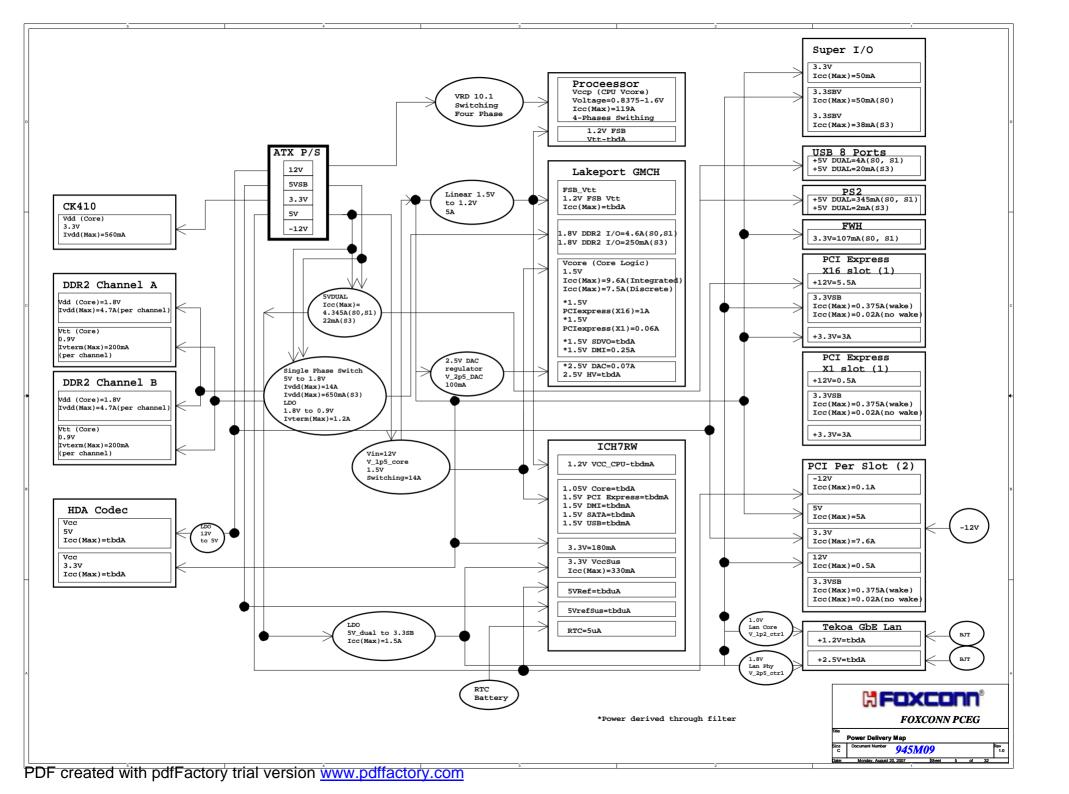
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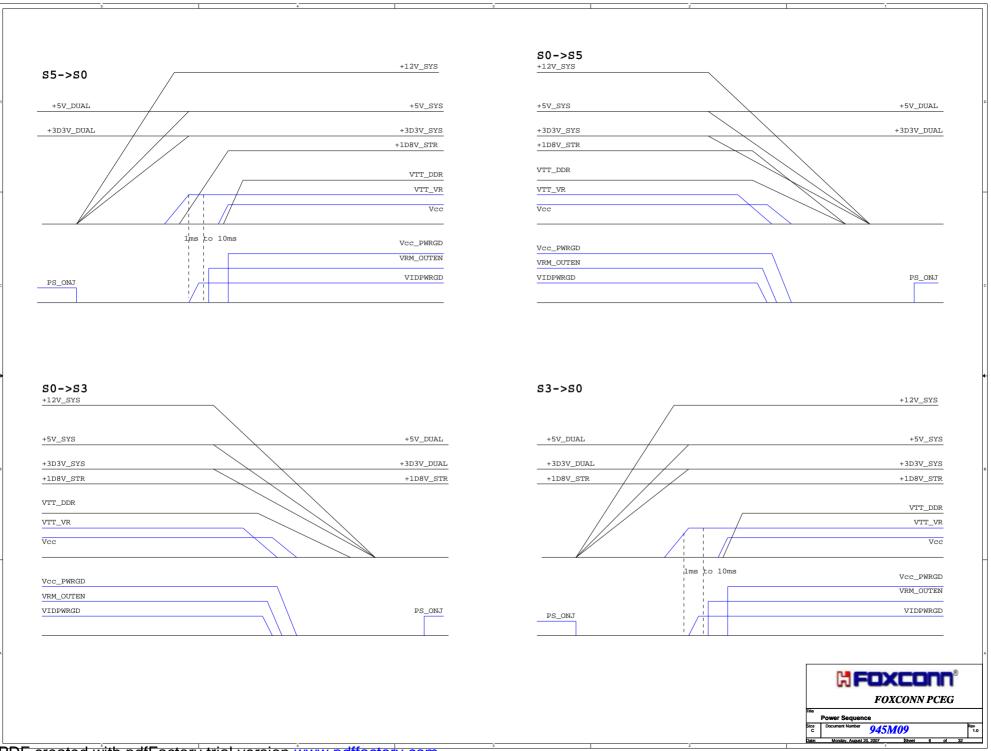


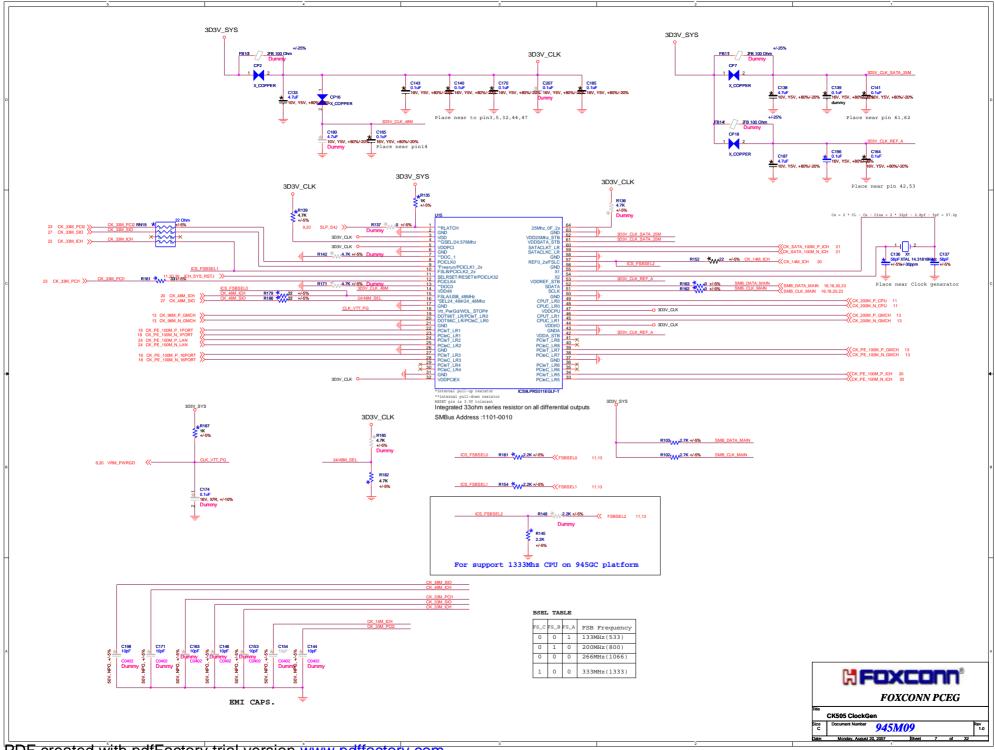


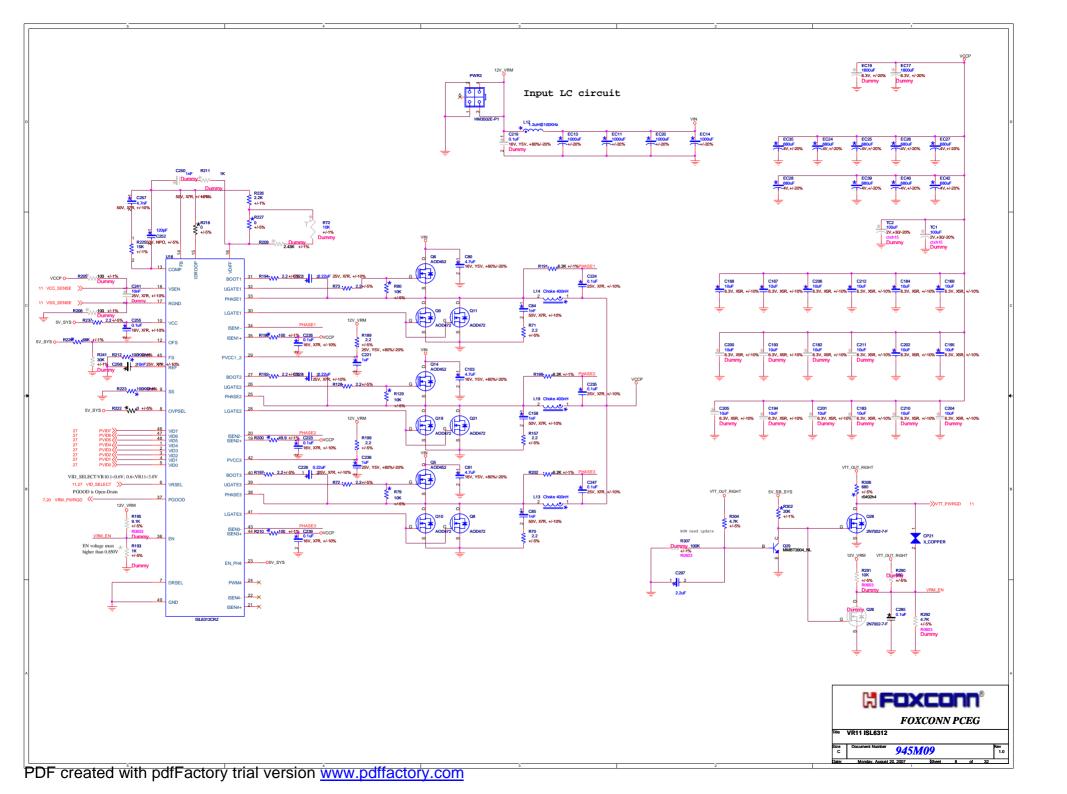


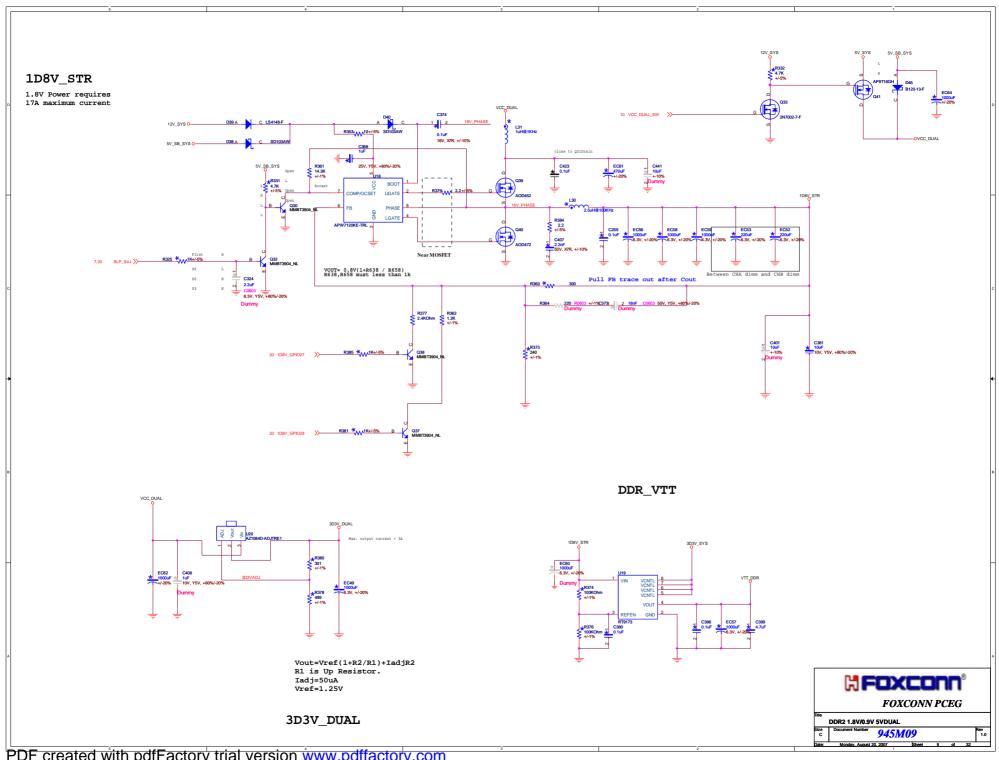


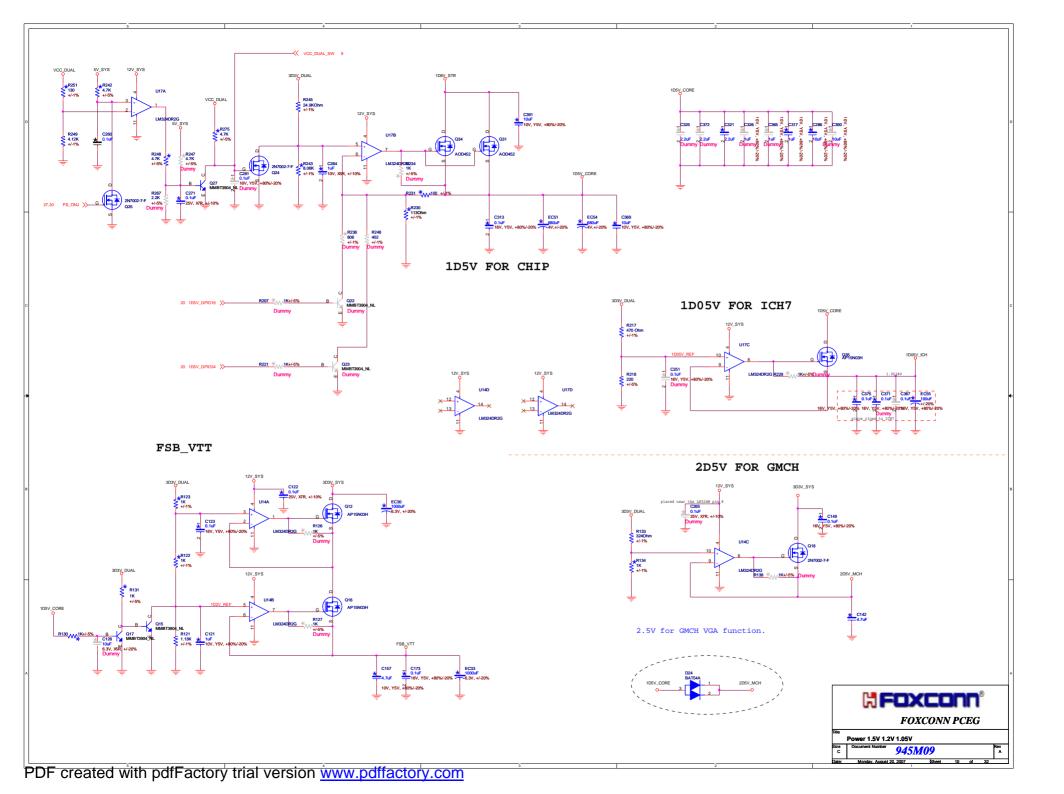


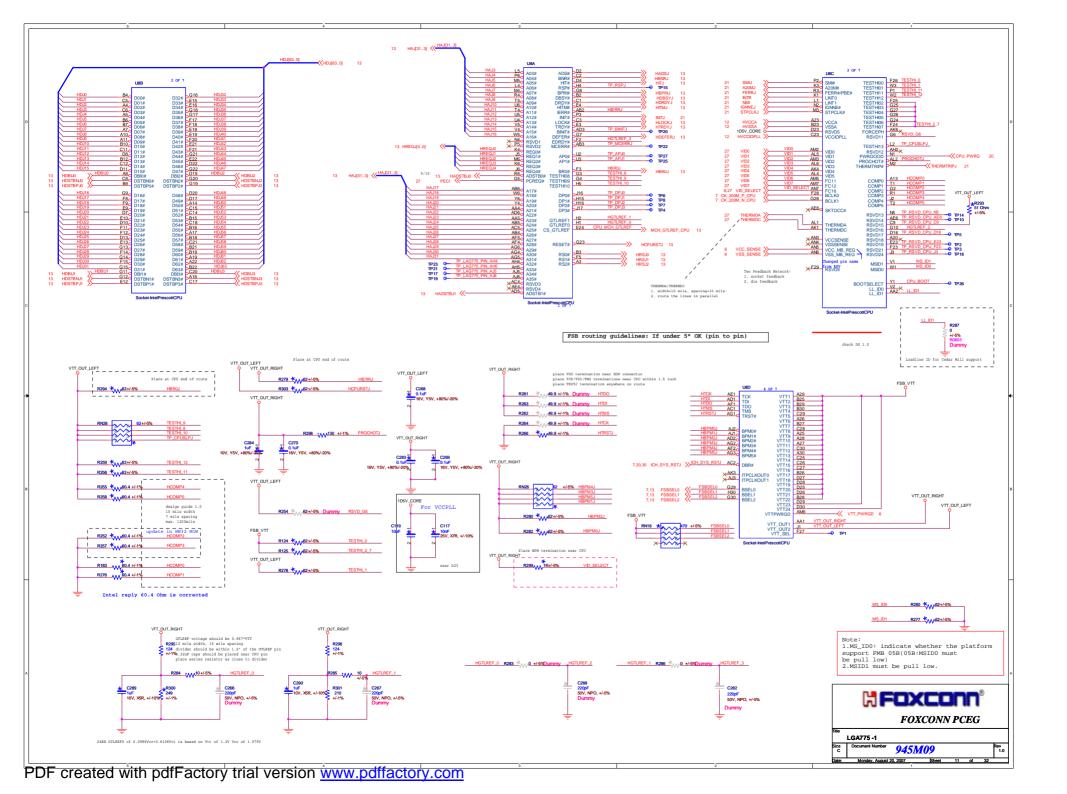


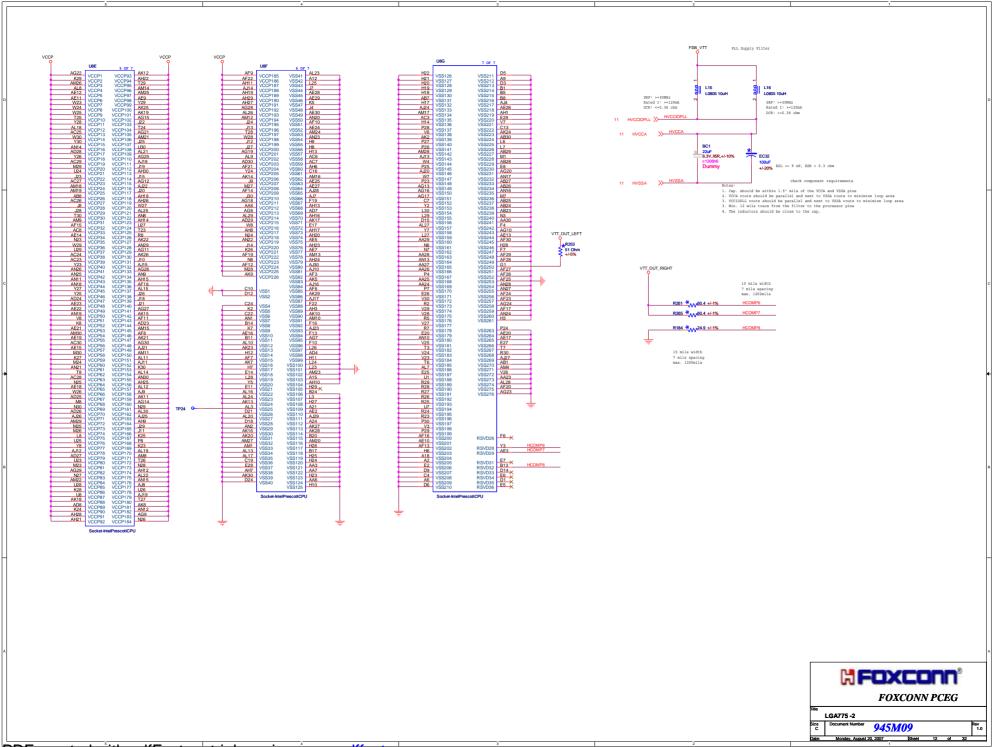


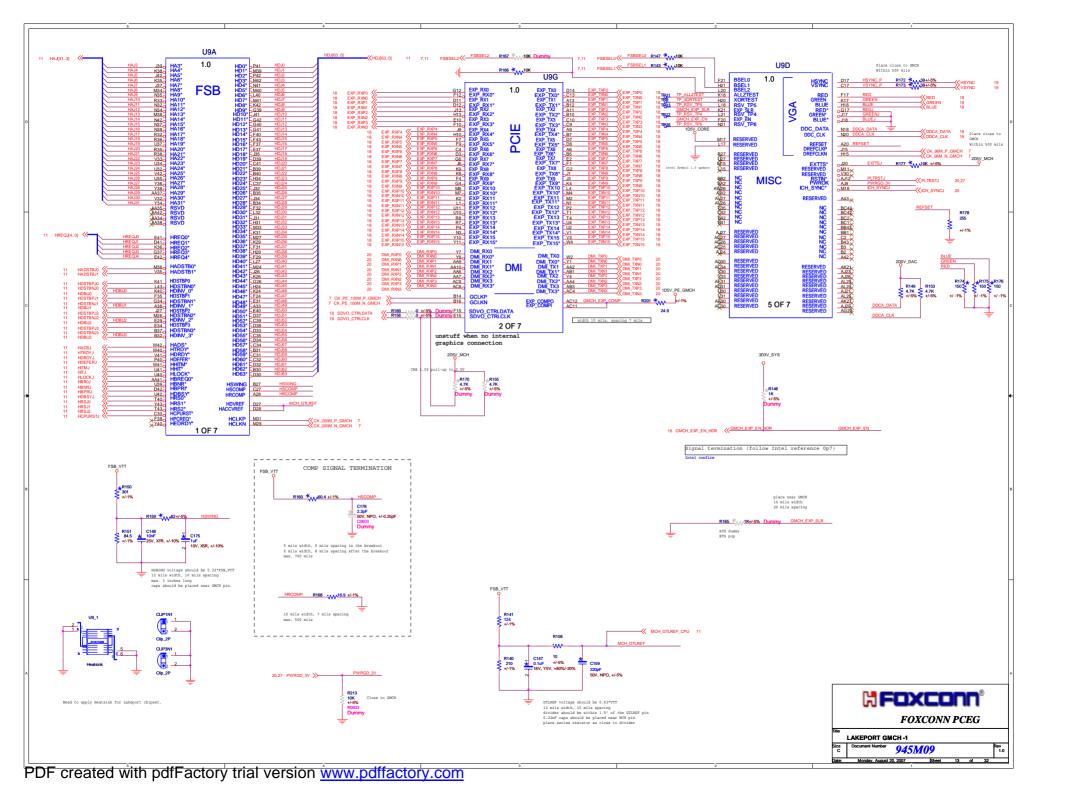


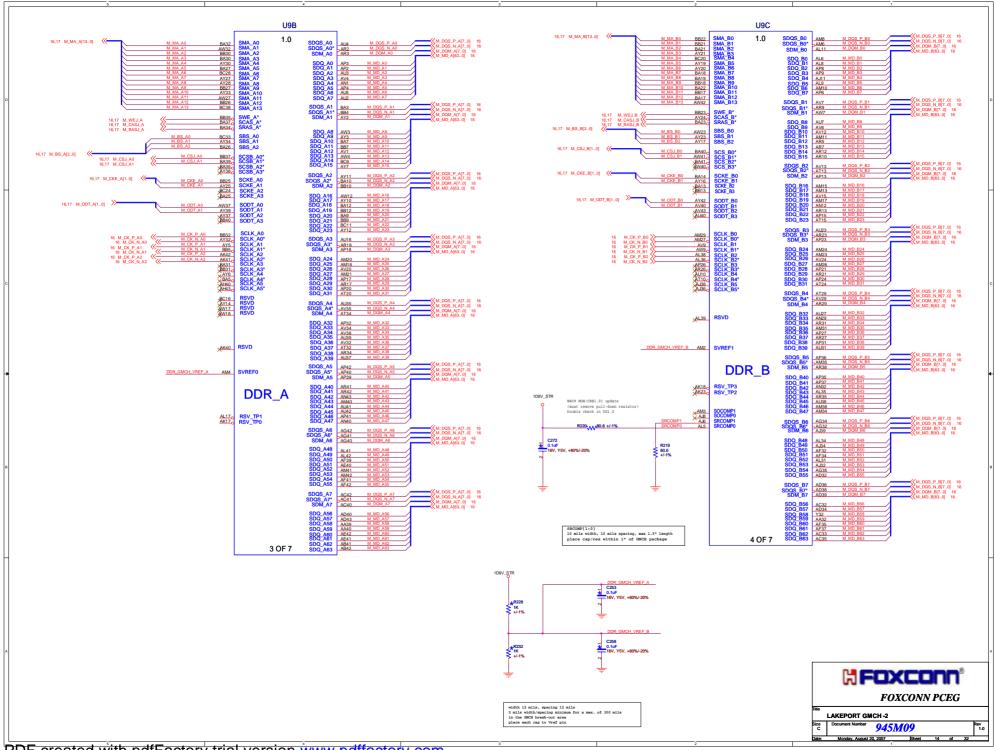


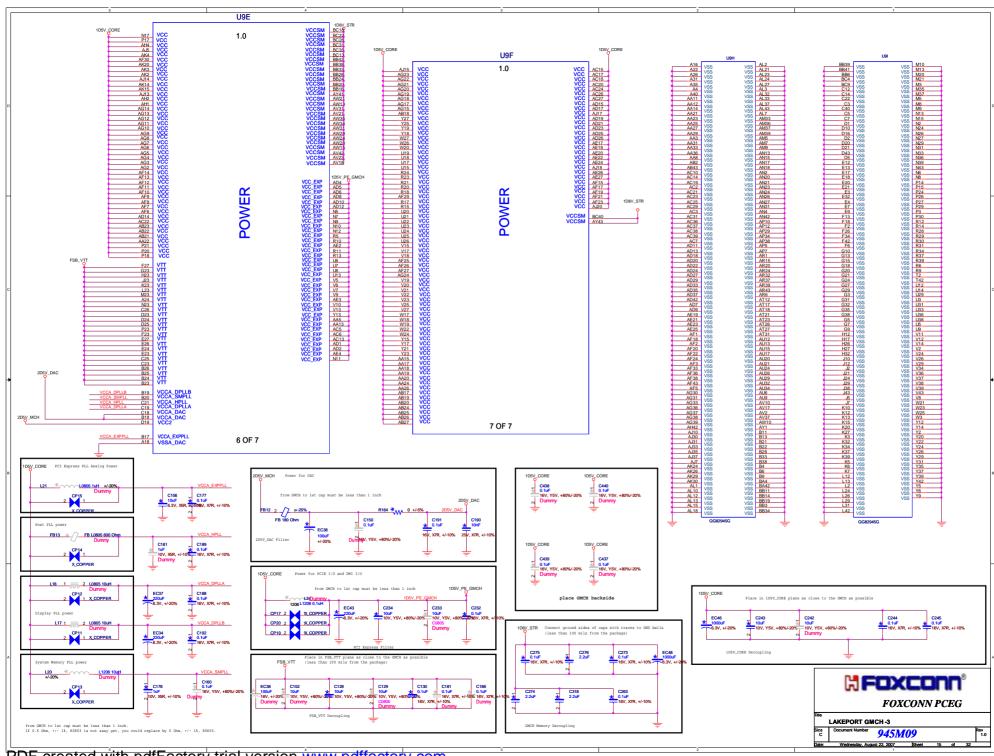


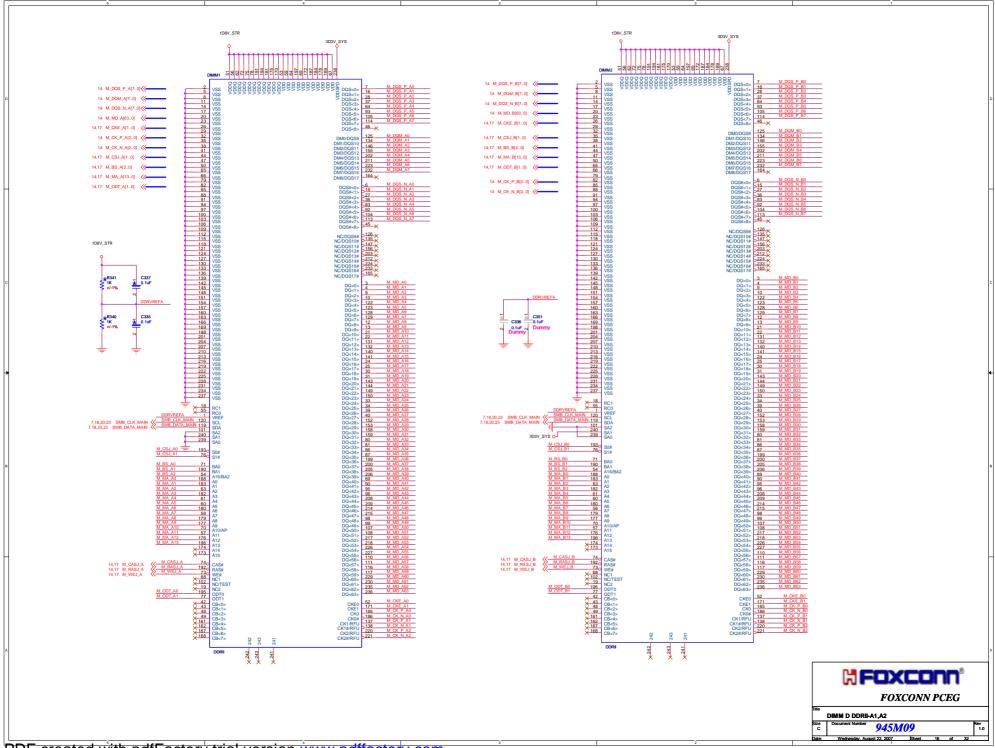


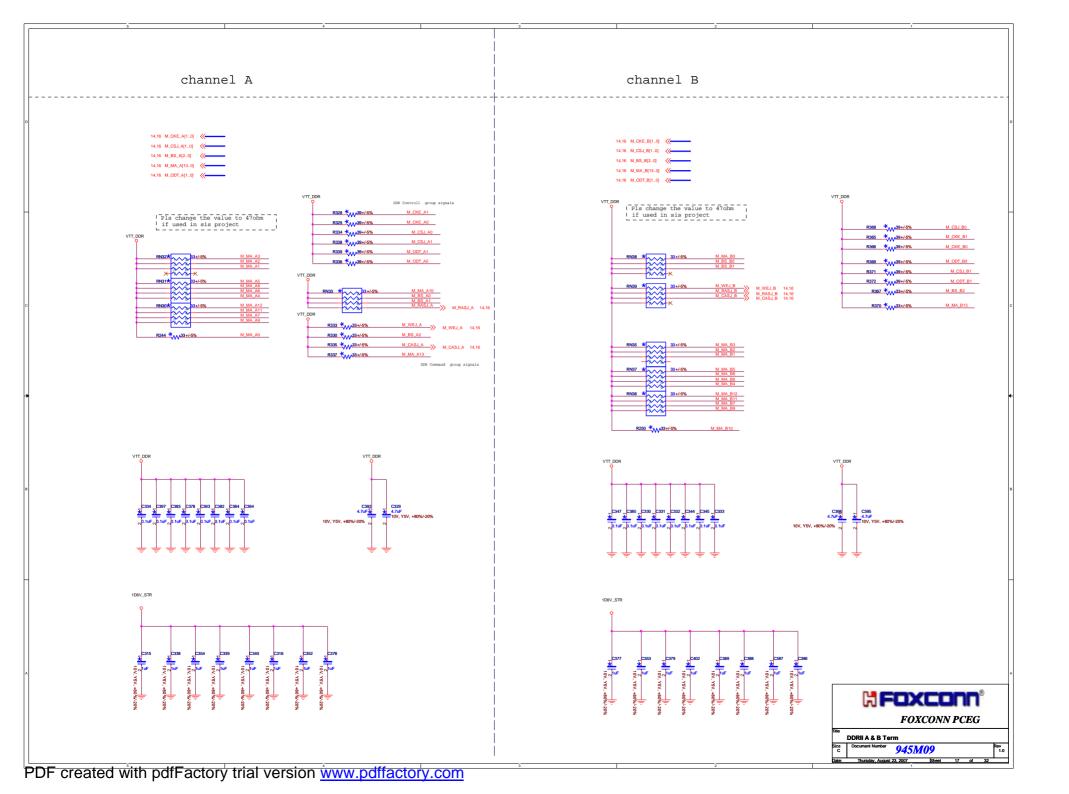


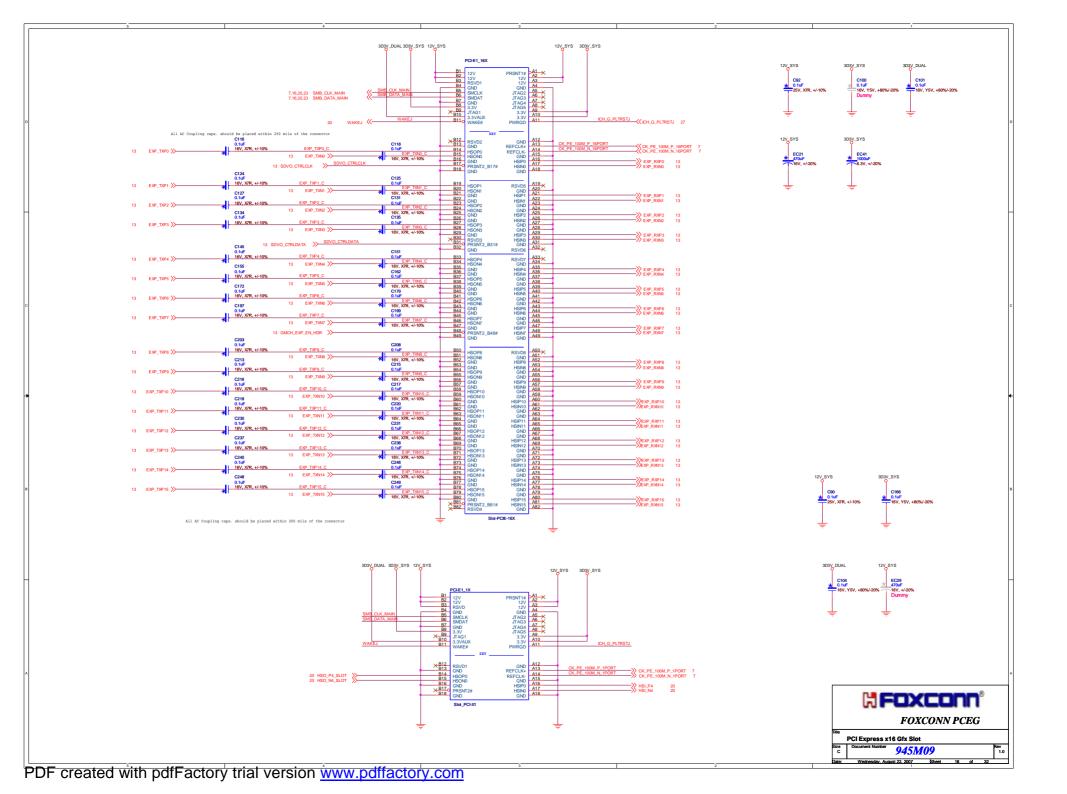


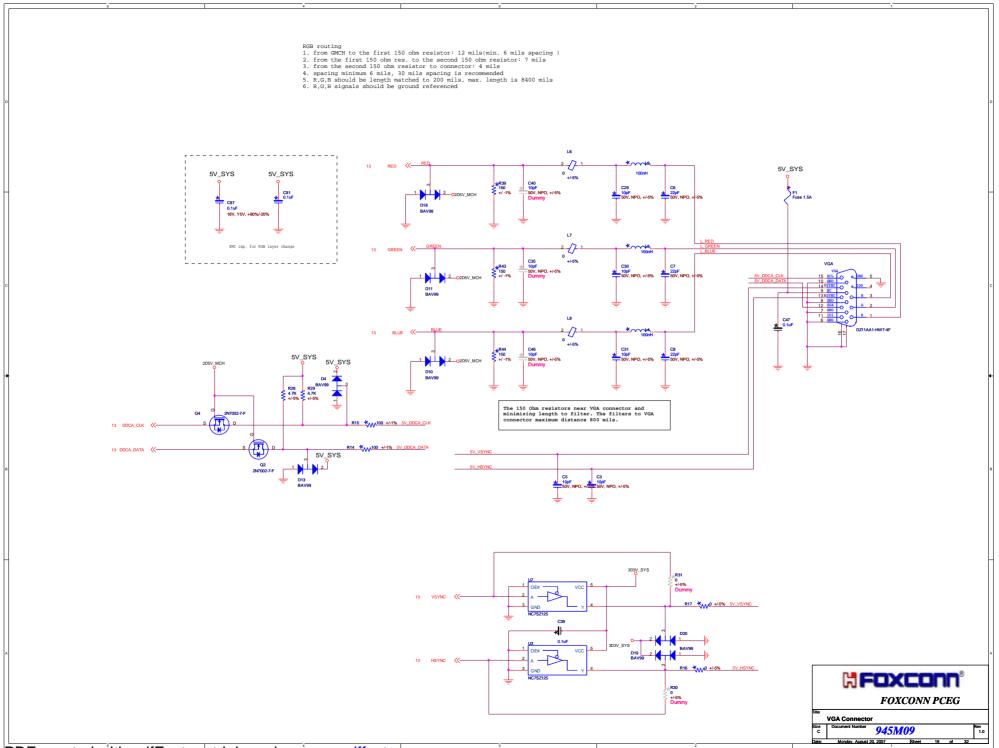


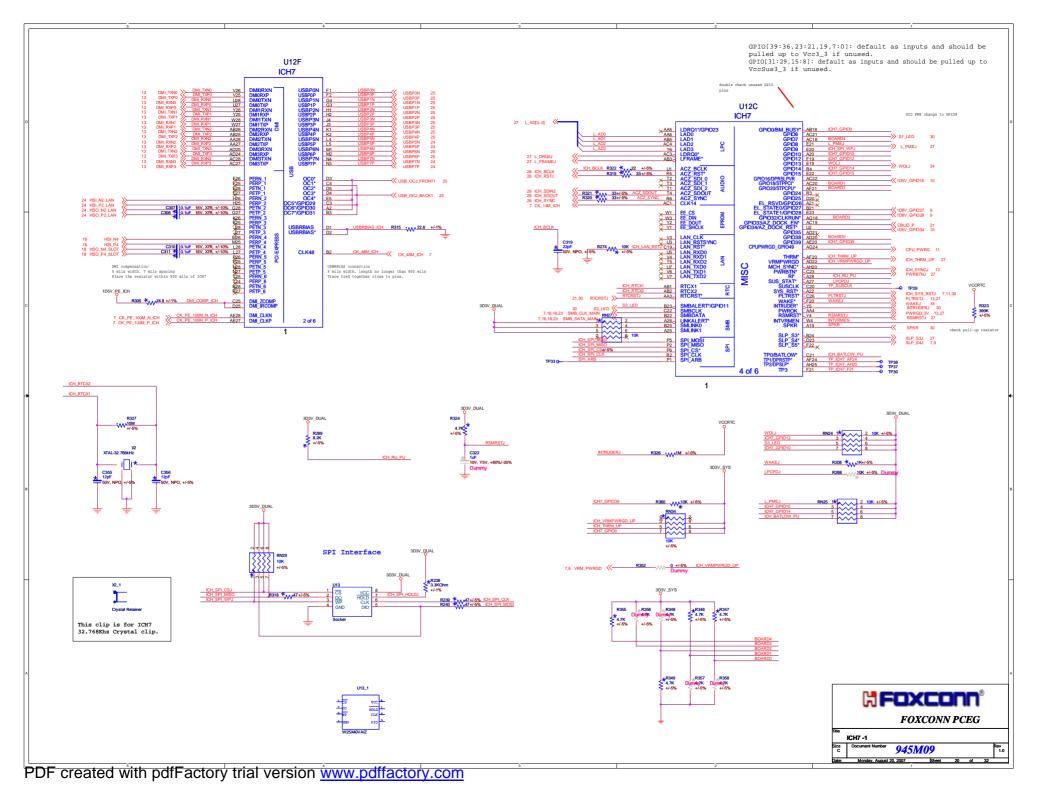


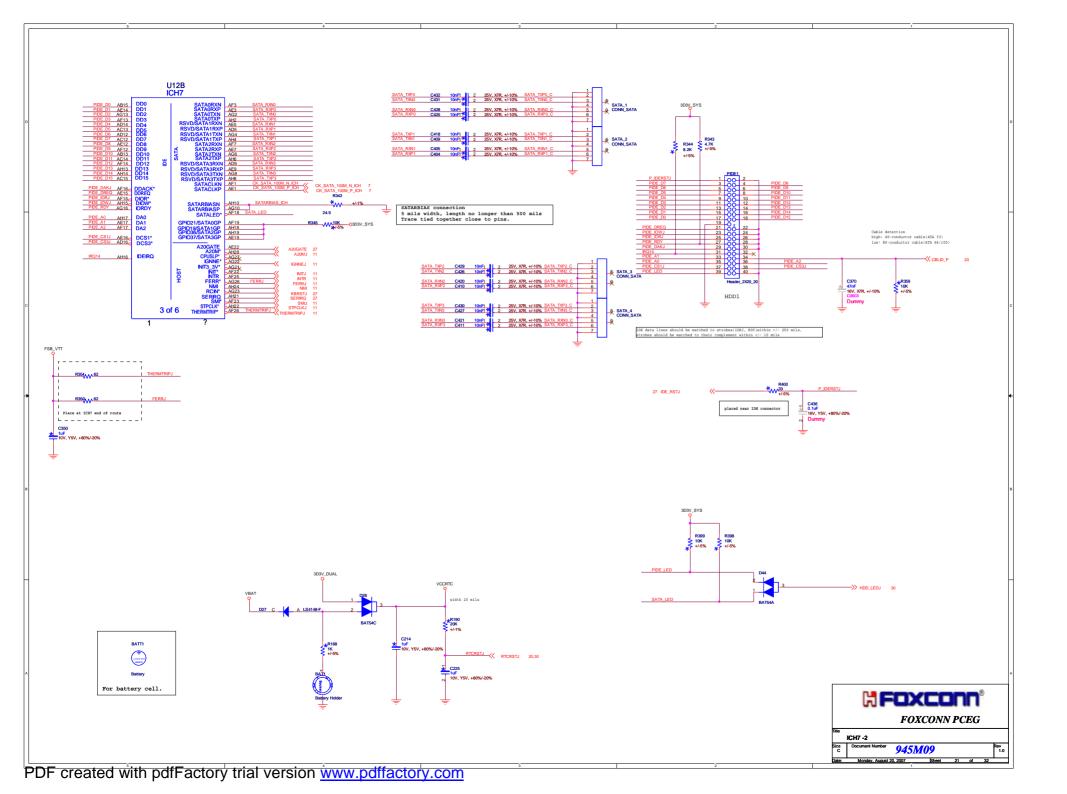


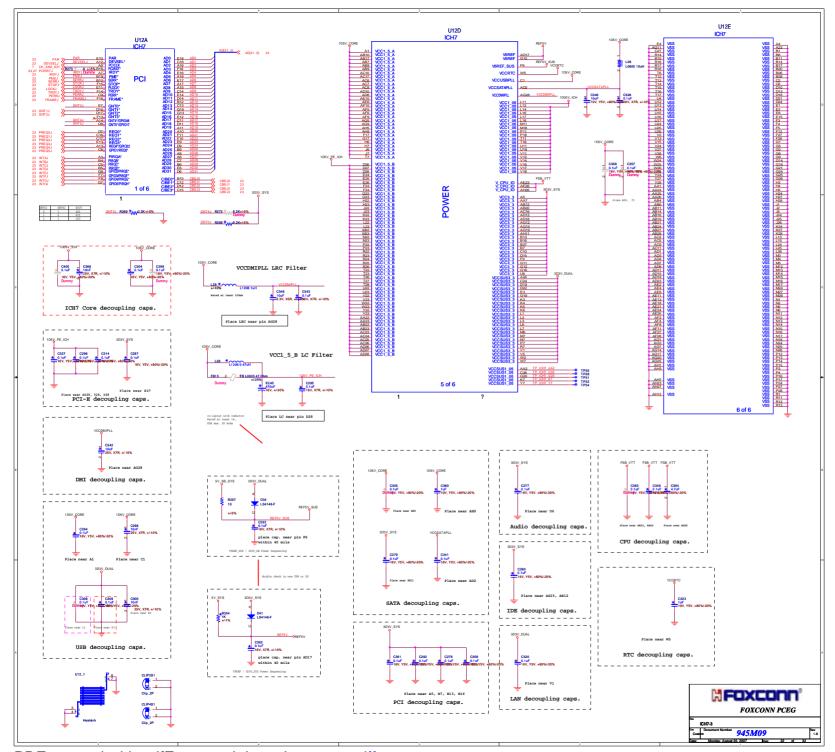




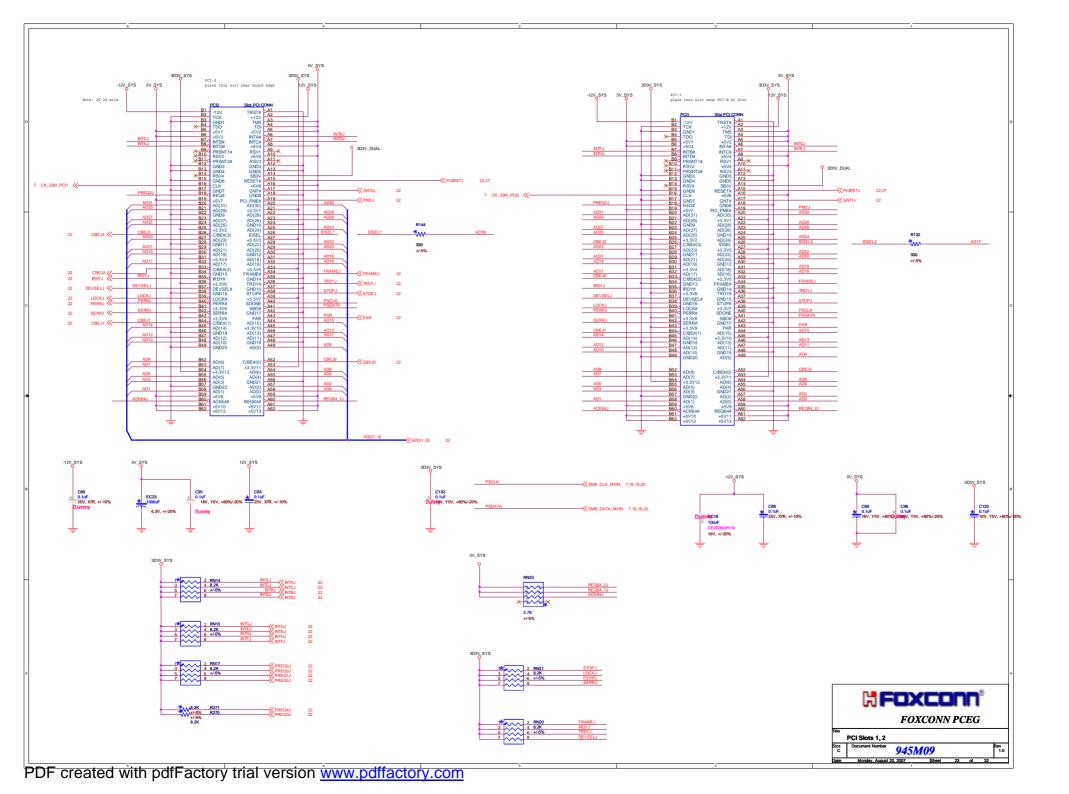


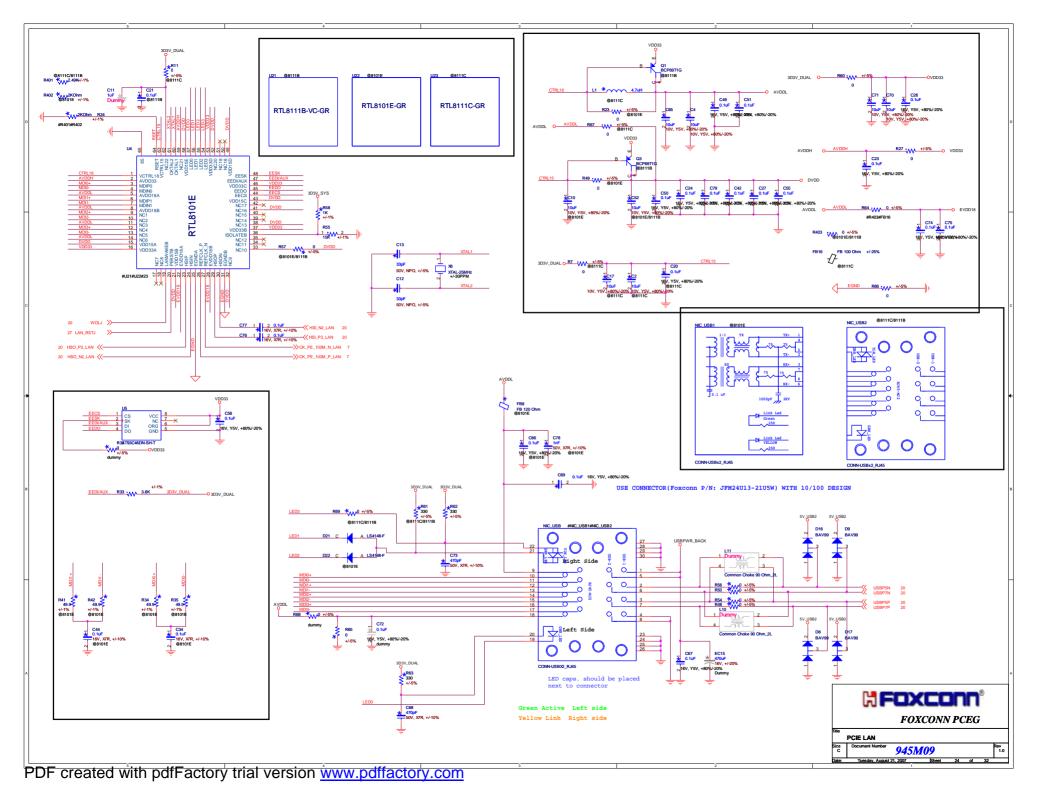


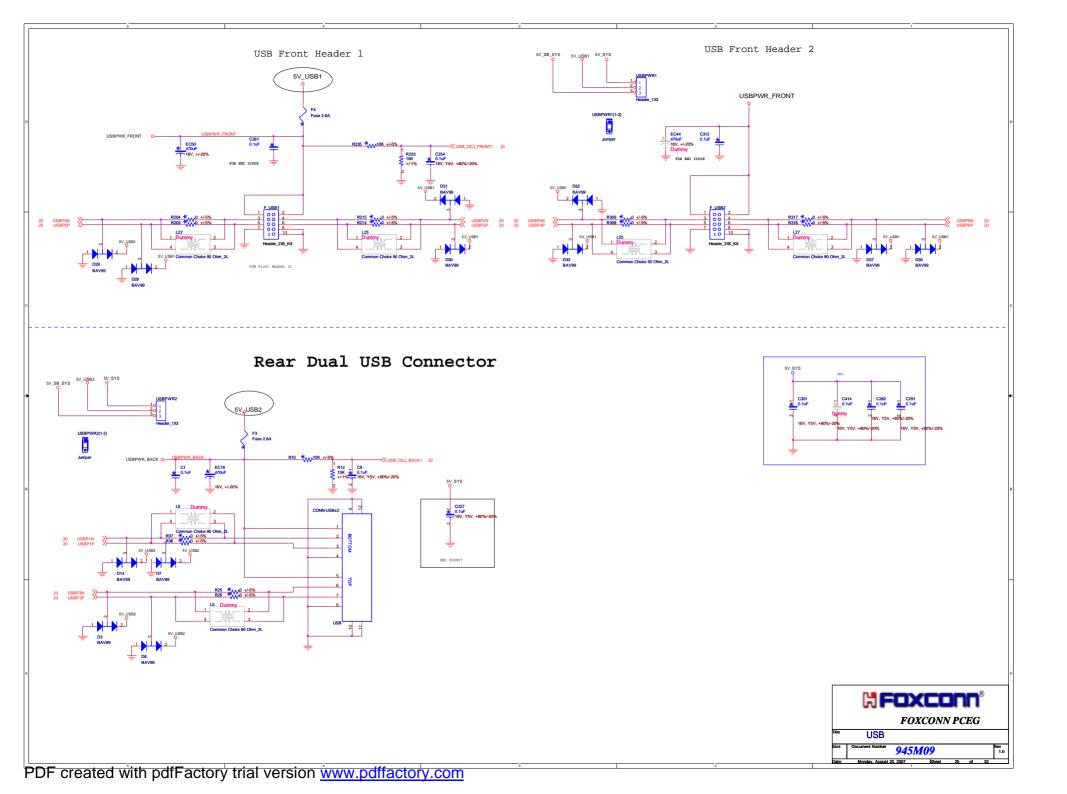


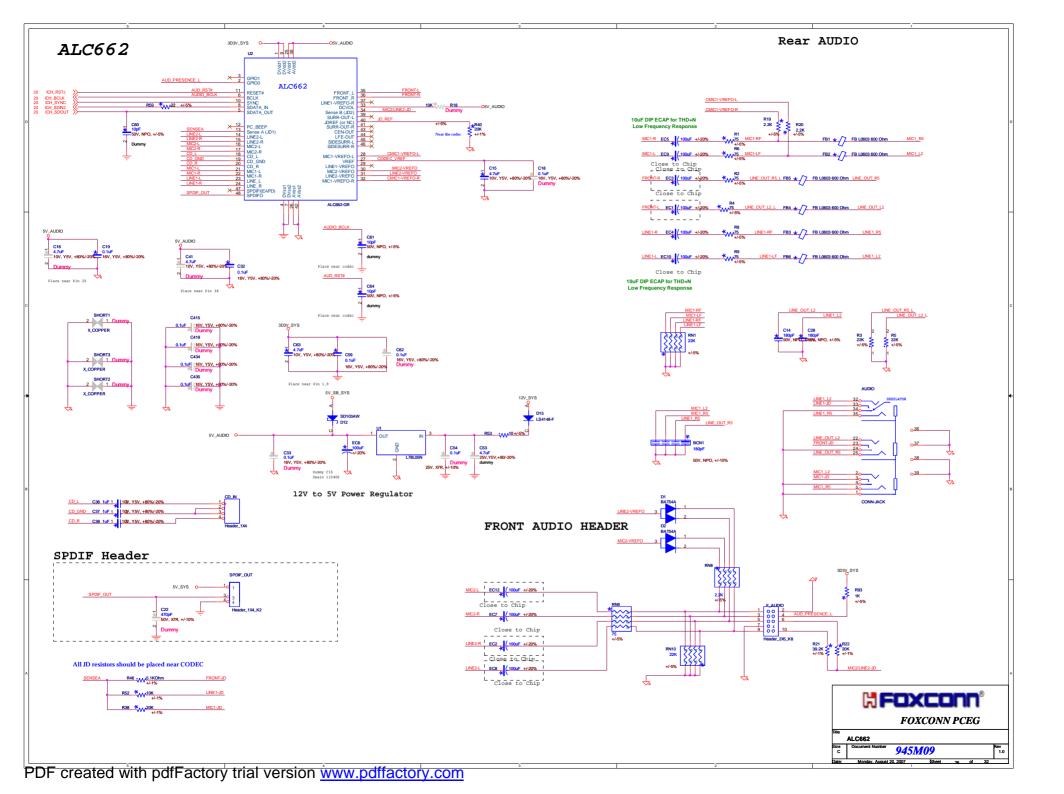


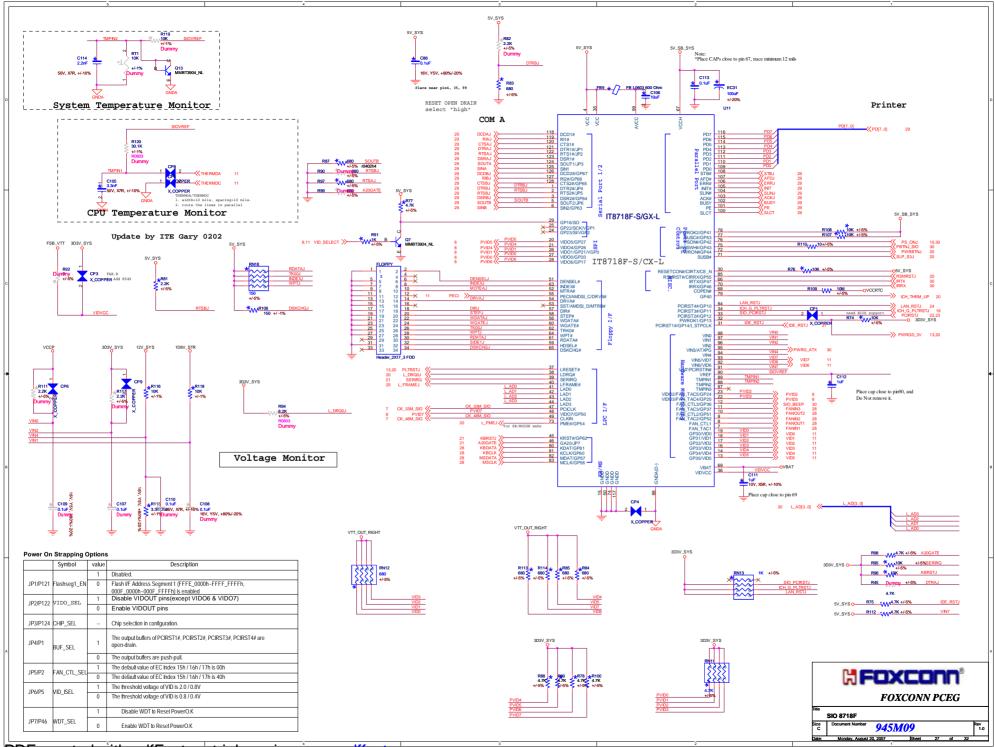
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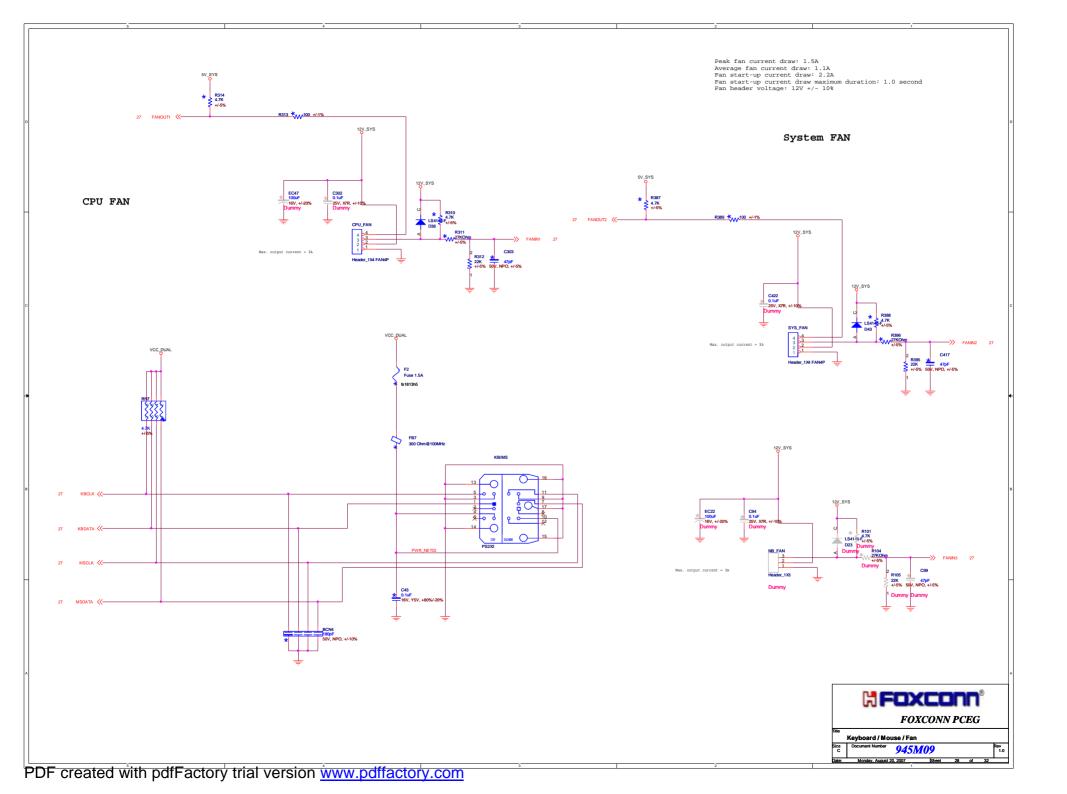


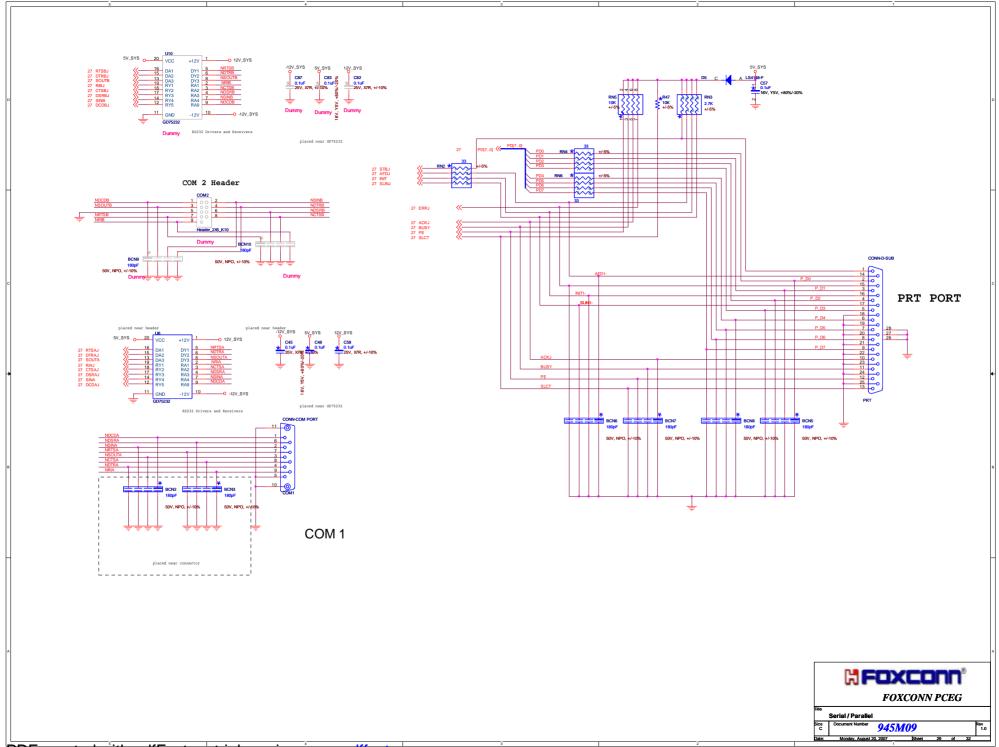


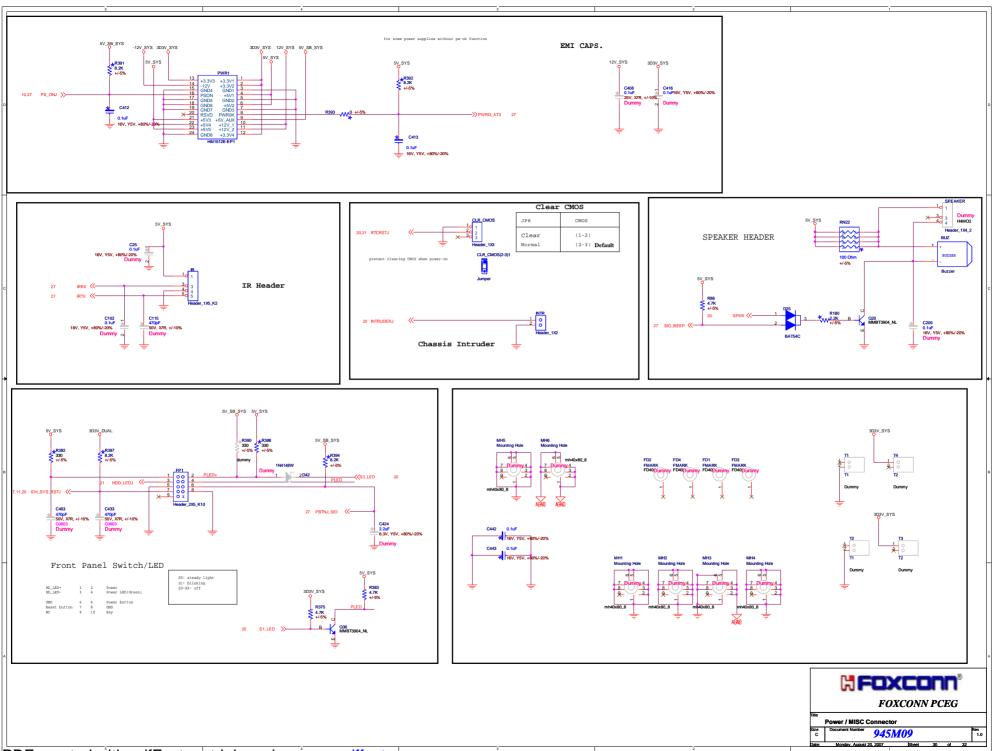












ICH7 GPIO Summary

Name	Power Well	Type	Description
GPIO0	Vcc3_3	I/O	Pull-up through 10K resistor(Unused)
GPI01	V5REF	I/O	REQ_5#
GPIO2	V5REF	I/OD	PIRQE#
GPIO3	V5REF	I/OD	PIRQF#
GPIO4	V5REF	I/OD	PIRQG#
GPIO5	V5REF	I/OD	PIRQH#
GPIO6	Vcc3_3	I/O	1D5V Over voltage
GPIO7	Vcc3_3	I/O	1D5V Over voltage
GPIO8	VccSus3_3	I/O	L_PMEJ
GPIO9	VccSus3_3	I/O	DDR 1.8V Over voltage
GPIO10	VccSus3_3	I/O	DDR 1.8V Over voltage
GPIO11	VccSus3_3	I/O	Pull-up through 10K resistor(Unused)
GPIO12	VccSus3 3	I/O	DDR 1.8V Over voltage
GPIO13	VccSus3 3	1/0	Wake On LAN
GPIO14	VccSus3 3	I/O	Pull-up through 10K resistor(Unused)
GPIO15	VccSus3 3	I/O	DDR 1.8V Over voltage
GPIO16	Vcc3_3	1/0	BOAD ID 0
GPIO17	Vcc3 3	I/O	GNT 5#
GPIO18	Vcc3 3	1/0	BOAD ID 1
GPIO19	Vcc3 3	I/O	SATA 1GP
GPIO20	Vcc3 3	I/O	BOAD ID 2
GPIO21	Vcc3 3	1/0	SATA OGP
GPIO22	Vcc3 3	1/0	REQ 4#
GPIO23	Vcc3 3	1/0	Pull-up through 10K resistor(Unused)
GPIO24	VccSus3 3	1/0	(Unused)
GPIO25	VccSus3 3	1/0	(Unused)
GPIO26	VccSus3 3	1/0	Pull-up through 10K resistor(Unused)
GPIO27	VccSus3 3	1/0	Pull-up through 10K resistor(Unused)
GPIO28	VccSus3 3	1/0	Pull-up through 10K resistor(Unused)
GPIO29	VccSus3 3	1/0	USB OC5#
GPIO30	VccSus3 3	1/0	USB OC6#
GPIO31	VccSus3 3	1/0	USB OC7#
GPIO32	Vcc3 3	1/0	BOAD ID 3
GPIO33	Vcc3 3	1/0	IDE1 Cable Detection(33 or 66/100)
GPIO34	Vcc3 3	1/0	BOAD ID 4
GPIO35	Vcc3 3	I/O	(Unused)
GPIO36	Vcc3 3	1/0	SATA 2GP
GPIO37	Vcc3 3	I/O	SATA 3GP
GPIO38	Vcc3 3	1/0	FWH TBLJ
GPIO39	VccSus3 3	1/0	Pull-up through 10K resistor(Unused)
GPIO40	N/A	N/A	Not Implemented
GPIO41	N/A	N/A	Not Implemented
GPIO42	N/A	N/A	Not Implemented
GPIO43	N/A	N/A	Not Implemented
GPIO44	N/A	N/A	Not Implemented
GPI045	N/A	N/A	Not Implemented
GPIO46	N/A	N/A	Not Implemented
GPIO47	N/A	N/A	Not Implemented
GPIO48	Vcc3 3	I/O	GNT 4#
GPIO48	V_CPU_IO	1/0	CPU PWRGD
0. 1017	1 1_010_10	1 1/0	0.0

Super I/O GPIO Summary

Name	Power Plane	Type	Description
GPIO16	SUS	I/O	VID select
GPIO22	SUS	I/O	S1 LED
GPIO23	SUS	I/O	S3 LED
GPIO10	SUS	I/O	ICH THRM UP
GPIO36	SUS	I/O	Fan 3pin/4pin Det
GPIO37	MAIN	I/O	SIO BEEP
		I/O	
		I/O	
		I/O	

PCI Routing Summary

	PCI1	PCI2		LAN	
INTAJ	D		C	A	
INTBJ	A		D		
INTCJ	В		A		
INTDJ	C		В		
INTEJ		C			
INTFJ		В			
INTGJ		A			
INTHJ		D			
REG#/GNT#	2	1	0	3	
IDSEL	18	17	21	19	



Modify list

1. Update clockgen PWRGD circuit(by connecting directly to VRM_PWRGD) 2. Delete TPM 33M CLK(delete C26, delete RN19 pin5,6 net) 3. Delete CPU PWRGD Pull high Resistor 4. Update ESD DIODE net(change D10,D11,D13,D12 Pin3 net) 5. Add level shift for HSYNC/VSYNC(change U10,U11,R252,R255 from dummy to reserved change R241,R242 from reserved to dummy) 6. GPIO update(change GPIO7 from 1D5V_CTL to Board_ID, change GPIO9 from 1D8V_CTL to SPI_WP change GPIO10/12 from 1D8V CTL to unused, change GPIO16 from Board ID to 1D5V CTL, change GPIO27 from unused to 1D8V_CTL, change GPIO28 from SPI_WP to 1D8V_CTL, Change GPIO34 from Board_ID to 1D5V_CTL, change GPIO38 from 1D5V_CTL to Board_ID; delete R262, R264, R322, R329 7. Update RSMRST# circuit(delete R320,U23,U24,R332;change R380 from dummy to reserved) 8. Delete SPI_WP header(delete WP,WP_EN) 9. Delete TPM(detele total page, remove others to page30) 10.LAN IC change from PCI LAN(8110C) to PCIE LAN8101E) 11.Add 75ohm resistor(add R410,R413,R374,R404,change R367,R368 from 0ohm to 75ohm 12.Add 22K resistor(change RN25 from dummy to reserved) 13.Update Front audio auto detect 14.Delete 1D5V VIN(delete R410,CP7,C415,add R423) 15.Delete CIR(delete R321) 17.Change C1075,C1082,C1077,C1074,C1078,C1080,C1081,C1083 footprint from 1206 to 0805 18.Delete dummy ECAP EC32 19. Change R308 from Oohm to 1K 20.Delete C92

21.Delete R327 and add capcitors C109(Dummy) and C111(for 8111B) 22.change the value of EC2 and EC3 from 1500uF to 1800uF

23.Add FB17 for SIO pin 99

24.Add EMI CAP 25.Add R456,R446 for EMI 26.Add R244 ,R250 27.Delete C430,C319,C365,C367