
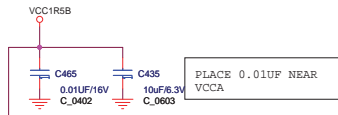
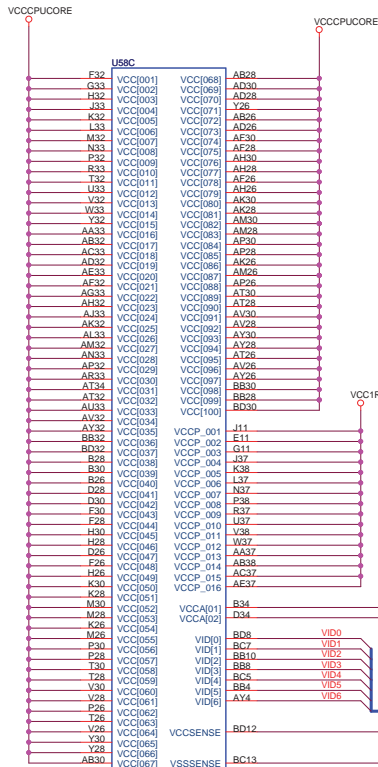
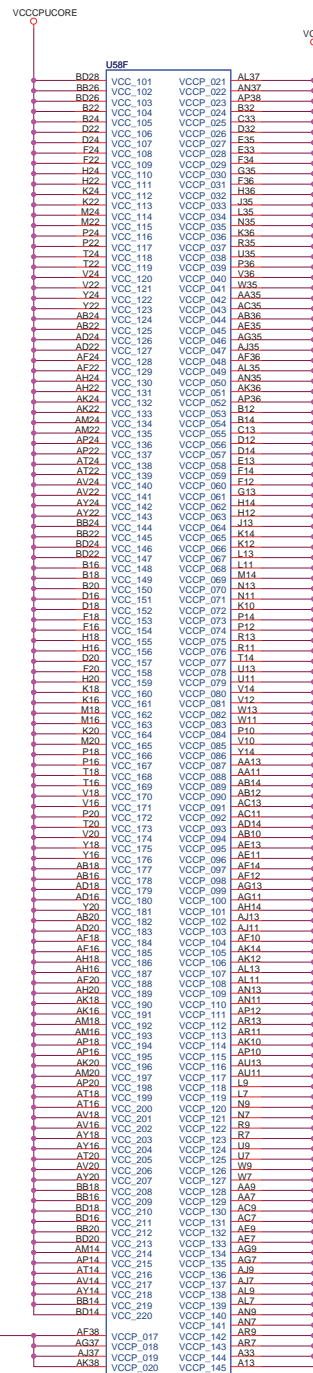


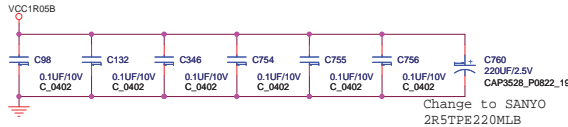
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		EC HISTORY
LENOVO CONFIDENTIAL		sheet 2 of 99 Thursday, May 31, 2007

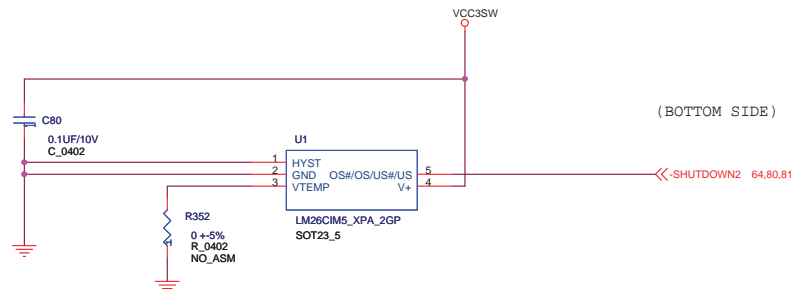
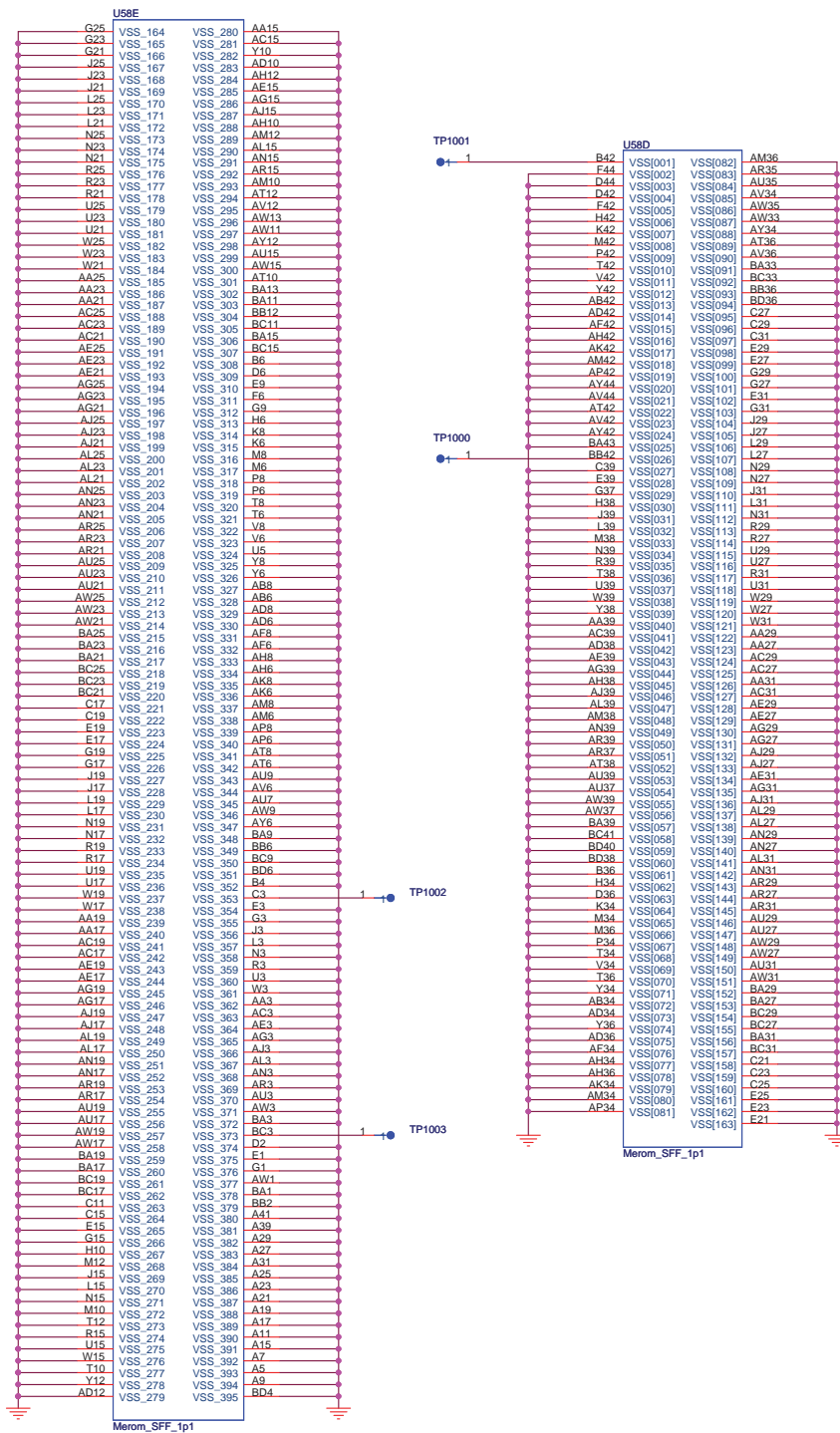





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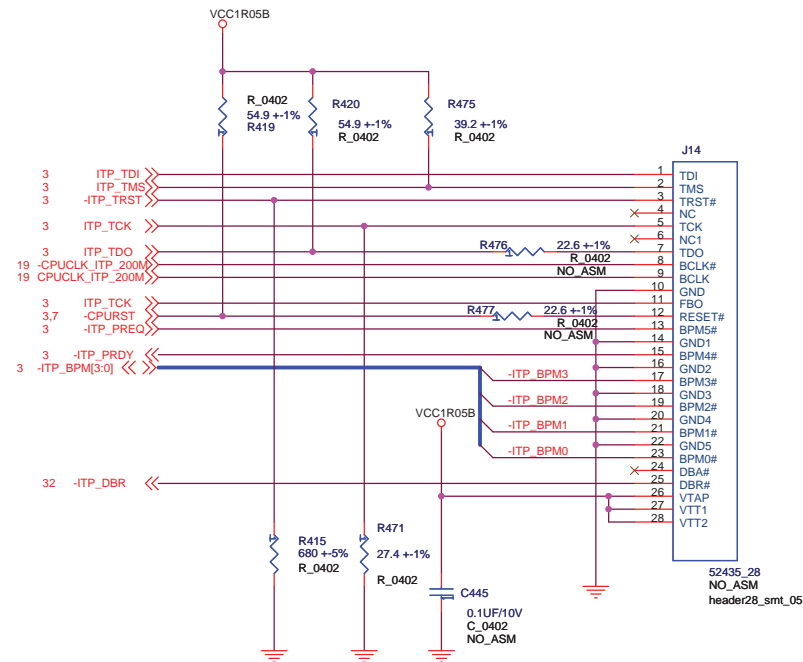


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		EC No. L13790
		TITLE: Kodachi Ver.V1.12
		CPU MEROM-2(POWER_GND)
LENOVO CONFIDENTIAL		sheet 4 of 89 Thursday, May 31, 2007



U1	R7157
NS LM26	NOASM
MAXIM MAX6519	NOASM
MAXIM MAX6501	ASM
ADI ADT6501	ASM


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LENOVO CONFIDENTIAL			CPU-3
sheet 5 of 99			Thursday, May 31, 2007

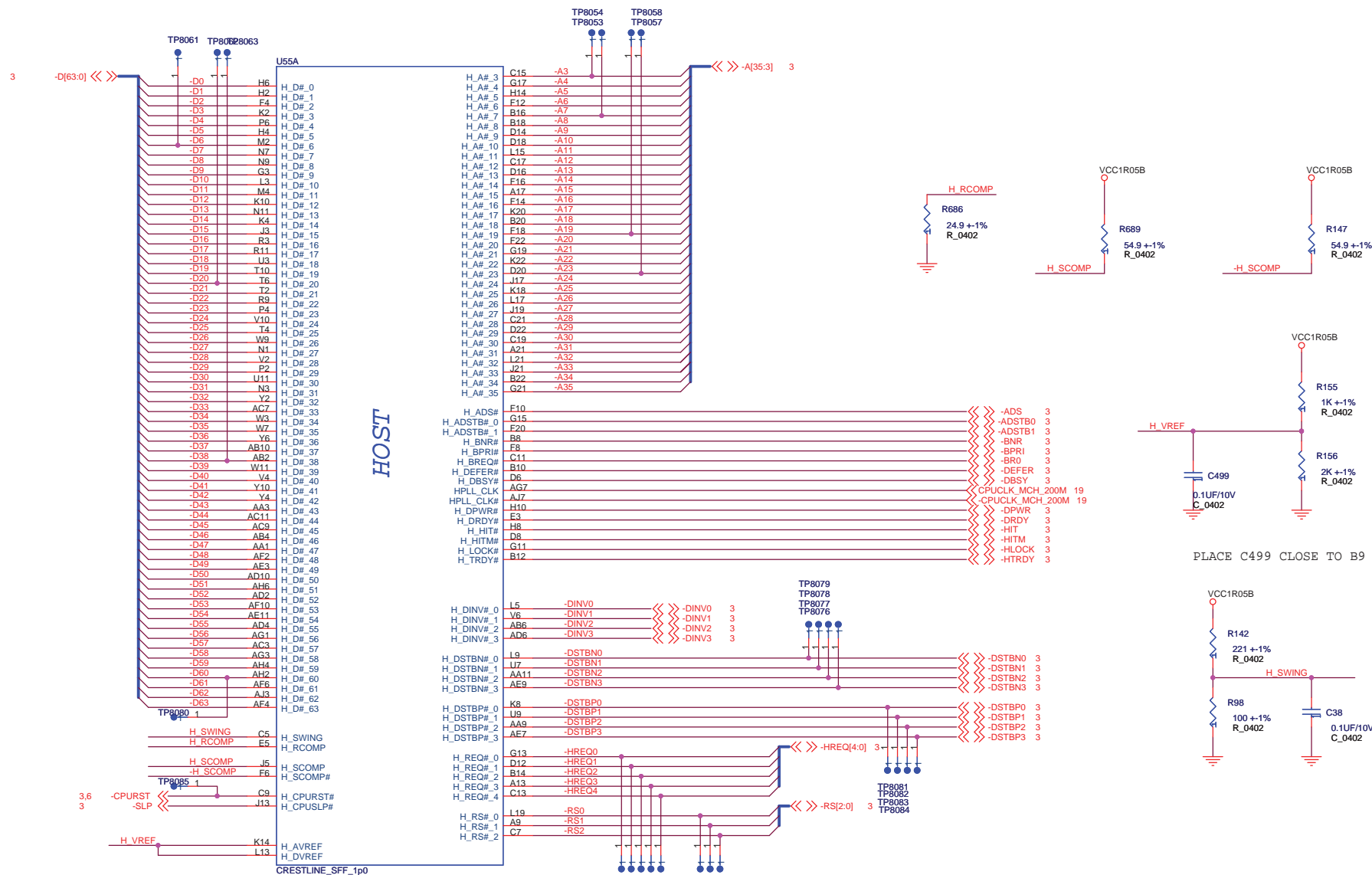


REF DES	FOR ITP700FLEX	FOR ITP-->XDP
J4	NO_ASM---->ASM	NO_ASM---->ASM
C445	ASM---->ASM	ASM---->ASM
R717	ASM(NO CHANGE)	ASM---->51 5% ASM
R476	ASM---->ASM	ASM---->ASM
R477	ASM---->ASM	ASM---->1K 5% ASM
R415	ASM(NO CHANGE)	ASM(NO CHANGE)
R419	ASM(NO CHANGE)	ASM-->NO_ASM
R420	ASM(NO CHANGE)	ASM(NO CHANGE)
R471	ASM(NO CHANGE)	ASM---->51 5% ASM
R475	ASM(NO CHANGE)	ASM---->51 5% ASM


NOTE: C445,R476 AND R477 "ASM" BEFORE SIT, "NO_ASM" FROM SIT.

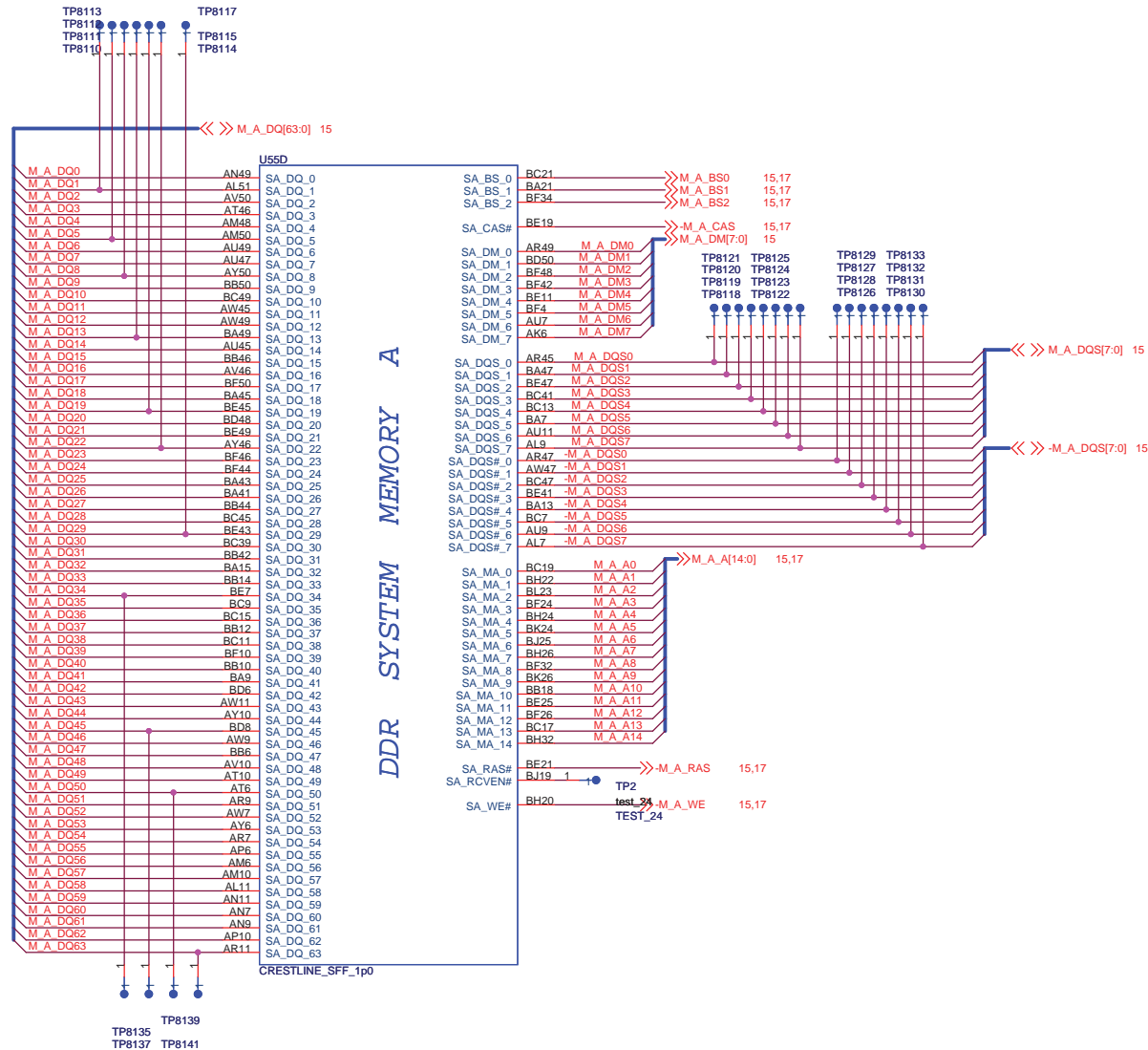
- (*1) TCK SIGNAL IS BRANCHED AT YONAH PIN
 (*2) -CPURST SIGNAL IS BRANCHED AT CRESTLINE PIN


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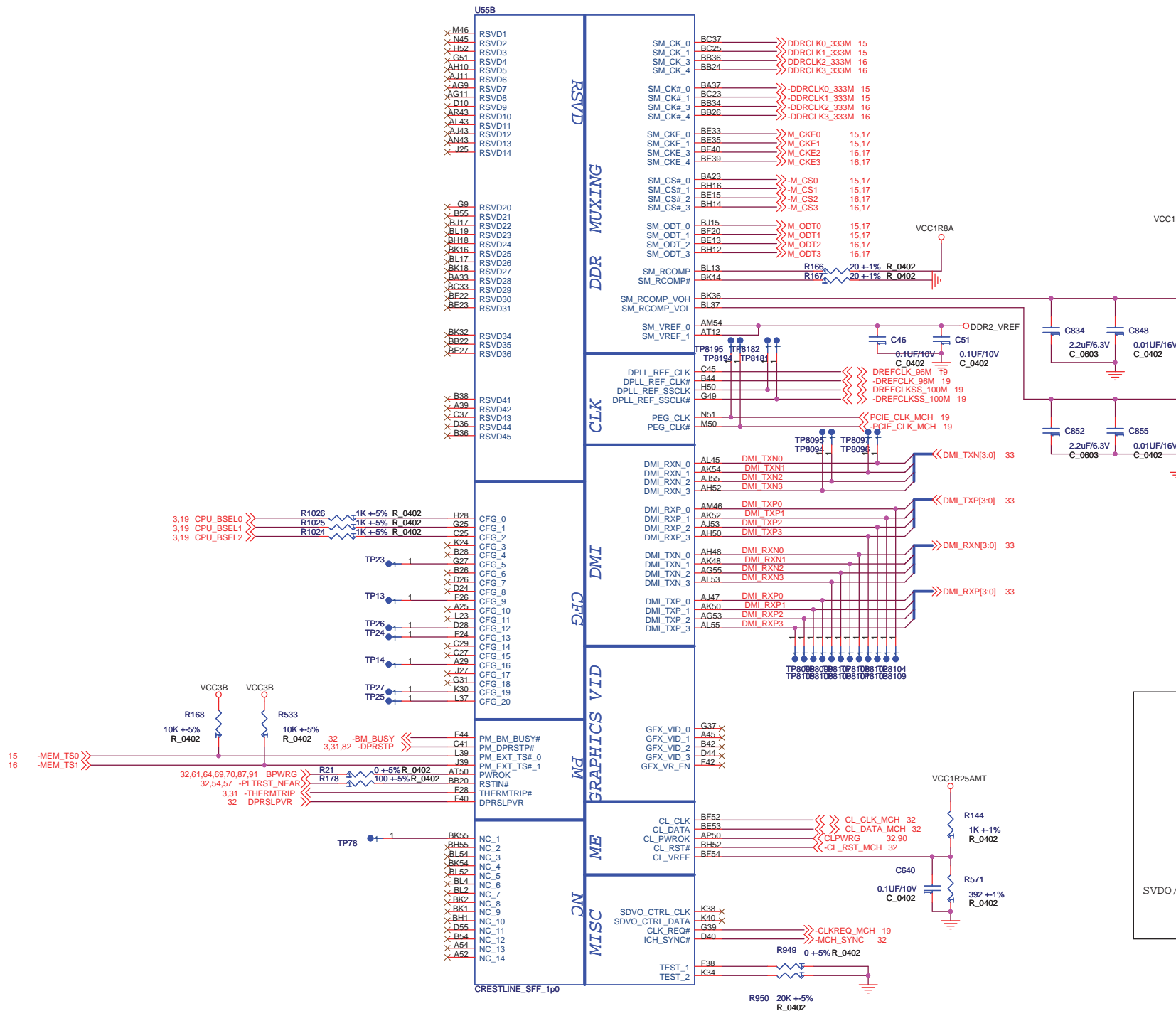


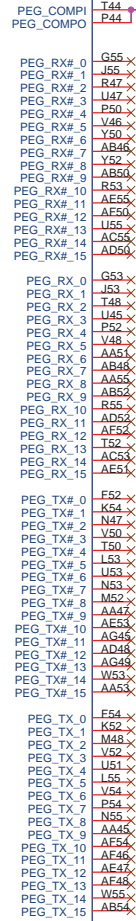
PLACE C499 CLOSE TO B9 PIN

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CHECKED	<OrgAddr2>	
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<http://laptop-motherboard-schematic.blogspot.com/>

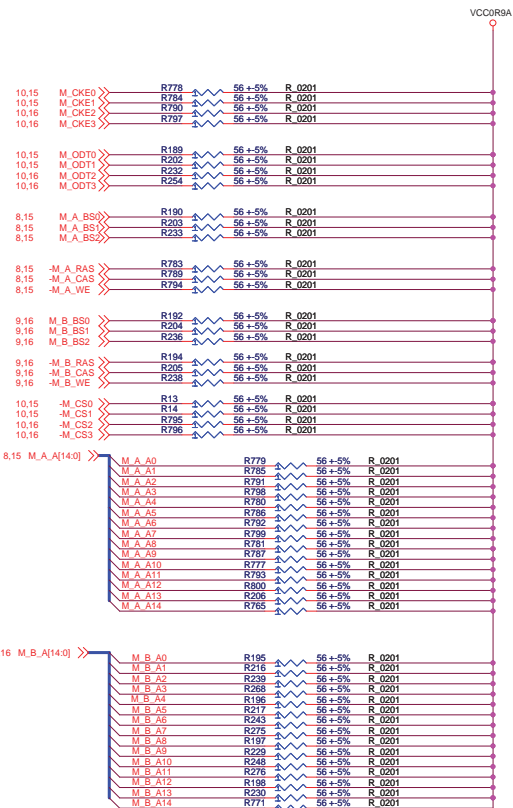


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LENOVO CONFIDENTIAL		<p>sheet 12 of 99</p> <p>Thursday, May 31, 2007</p>	

Del VCCA_MPLL and relate circuit.

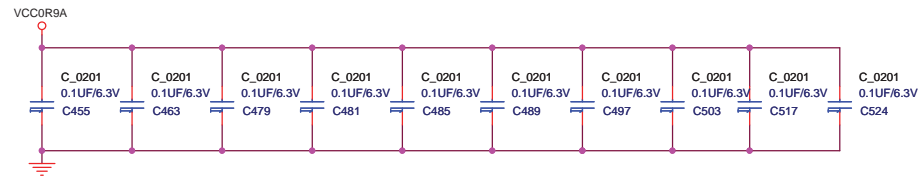
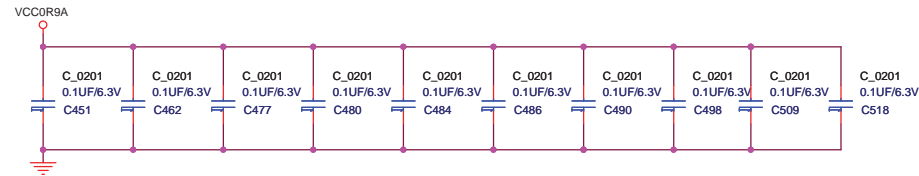
POWER


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LENOVO CONFIDENTIAL		sheet 14 of 99 Thursday, May 31, 2007




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LENOVO CONFIDENTIAL		sheet 17 of 89 Thursday, May 31, 2007

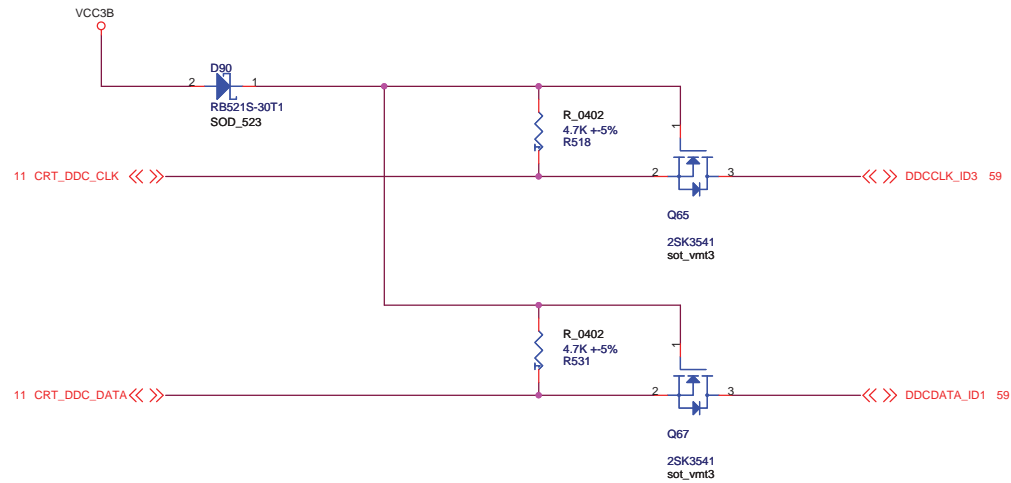
PLACE 1 CAP FOR EVERY 2 BITS TERMINATED TO VCC0R9B.




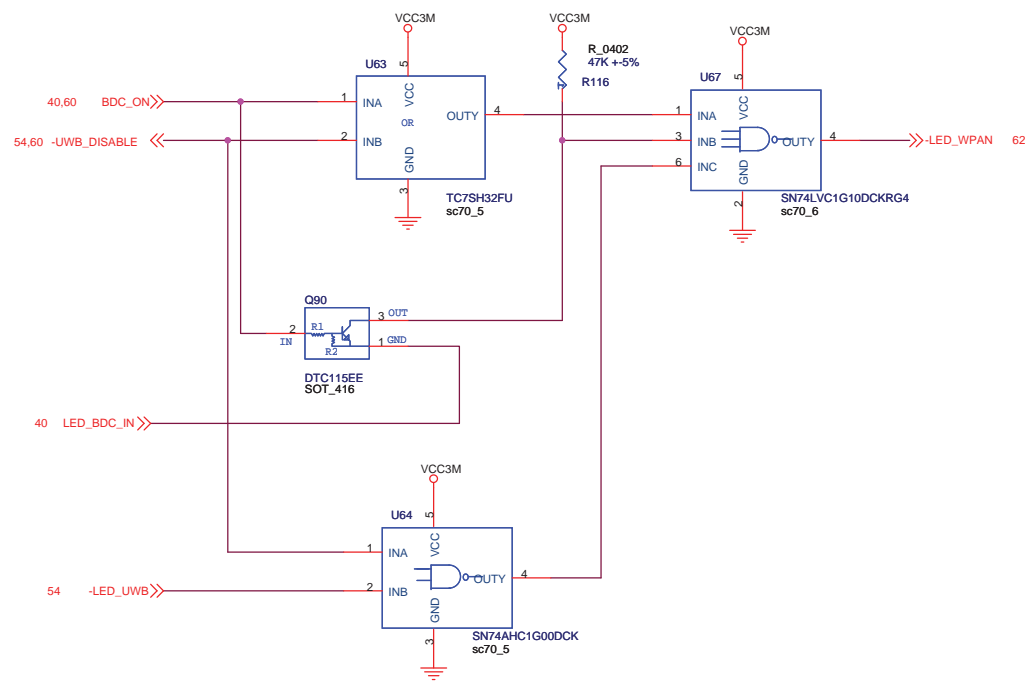
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		DDR2 DECOUPLING
LENOVO CONFIDENTIAL		sheet 18 of 99 Thursday, May 31, 2007


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		TITLE: Kodachi Ver. V1.12
		DVI
LENOVO CONFIDENTIAL		sheet 20 of 99 Thursday, May 31, 2007




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LENOVO CONFIDENTIAL		sheet 21 of 99 Thursday, May 31, 2007




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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		WPAN LED CONTROL
LENOVO CONFIDENTIAL		sheet 22 of 99 Thursday, May 31, 2007


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LENOVO CONFIDENTIAL		DAV3_INTEG_SIV_W
		sheet 23 of 99 Thursday, May 31, 2007


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LENOVO CONFIDENTIAL		sheet 24 of 99 Thursday, May 31, 2007	


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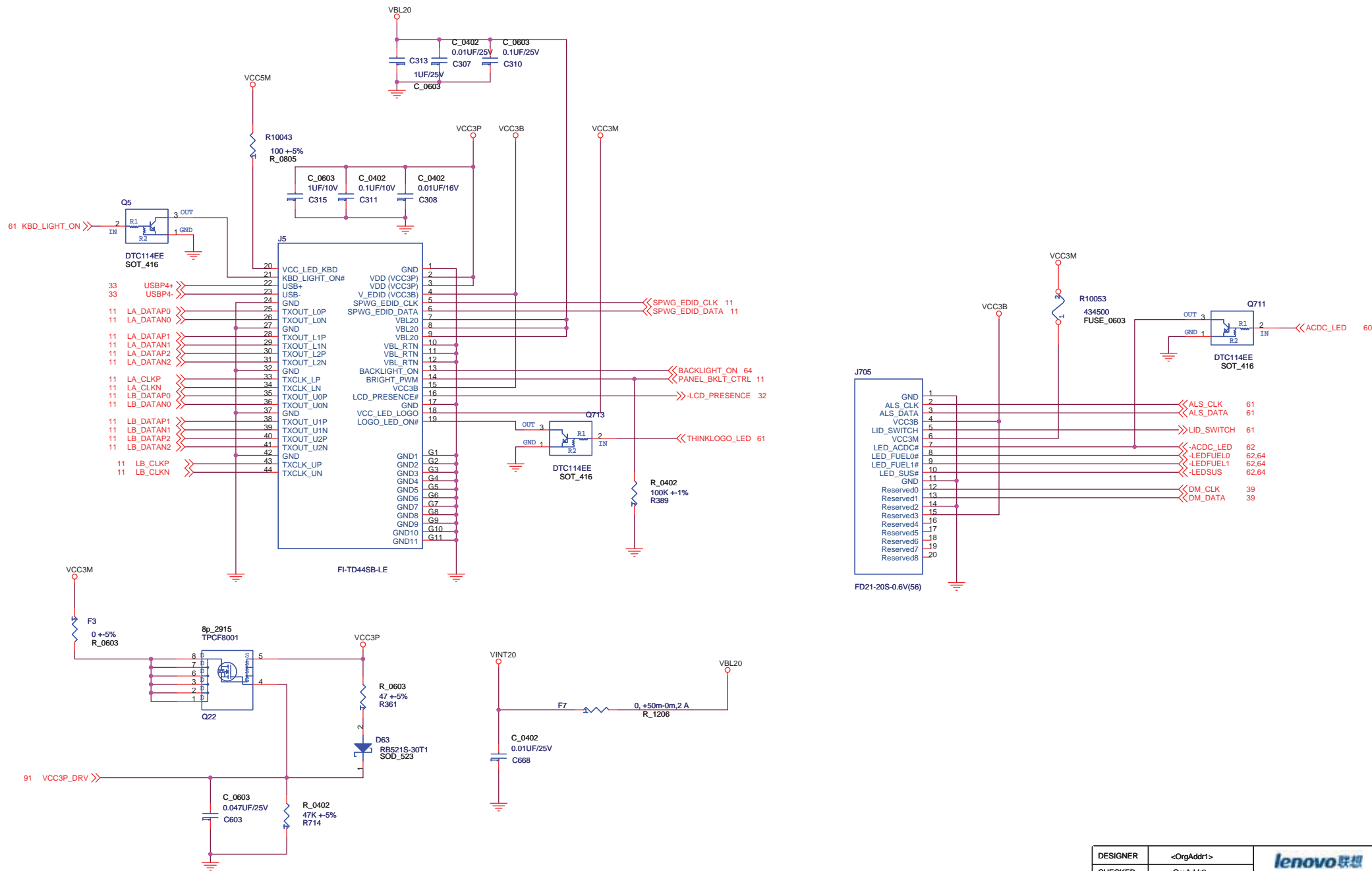
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LENOVO CONFIDENTIAL		sheet 25 of 99 Thursday, May 31, 2007


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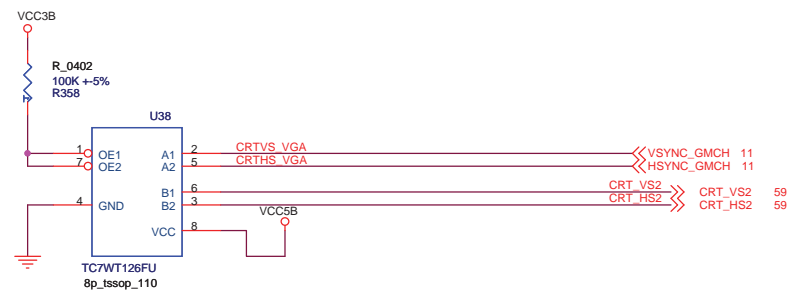
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LENOVO CONFIDENTIAL		sheet 26 of 99 Thursday, May 31, 2007


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LENOVO CONFIDENTIAL		sheet 27 of 99 Thursday, May 31, 2007




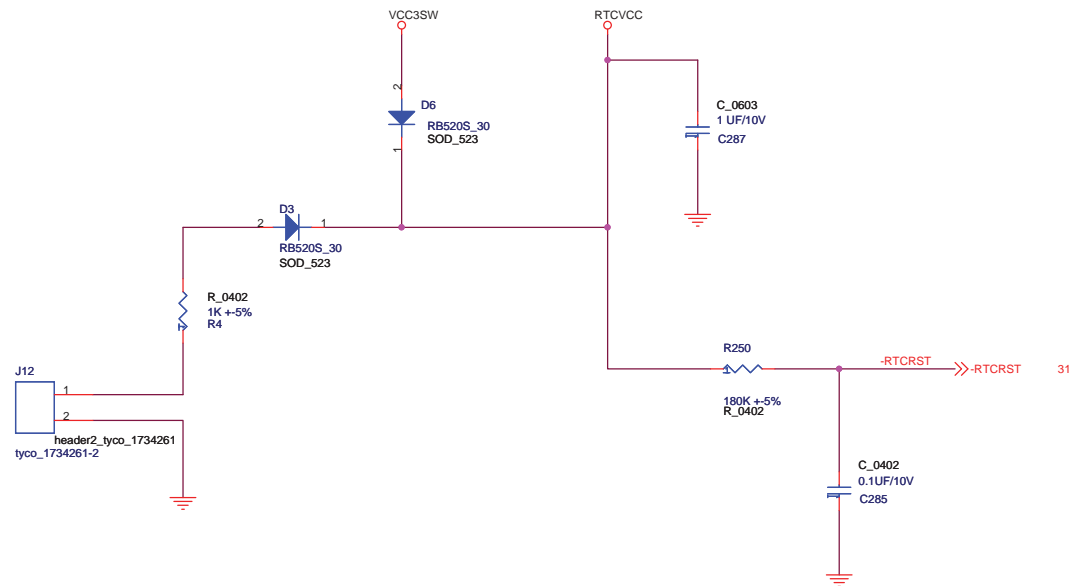
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LENOVO CONFIDENTIAL		sheet 28 of 99 Thursday, May 31, 2007




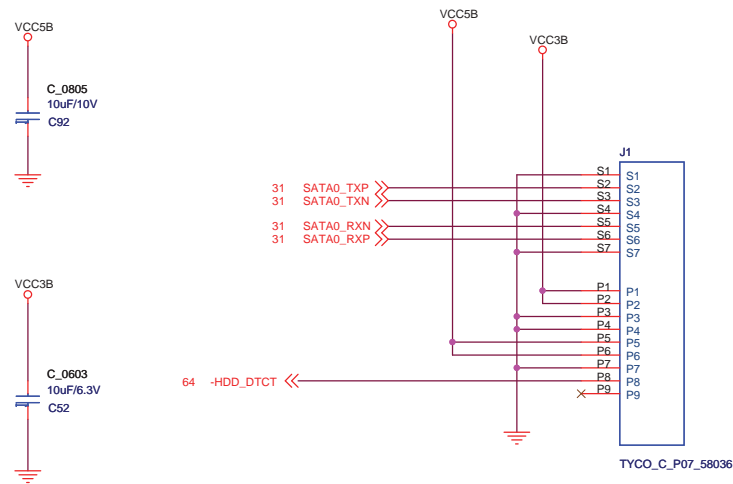
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		TITLE: Kodachi Ver.V1.12
		VGA_CONN
LENOVO CONFIDENTIAL		sheet 29 of 99 Thursday, May 31, 2007


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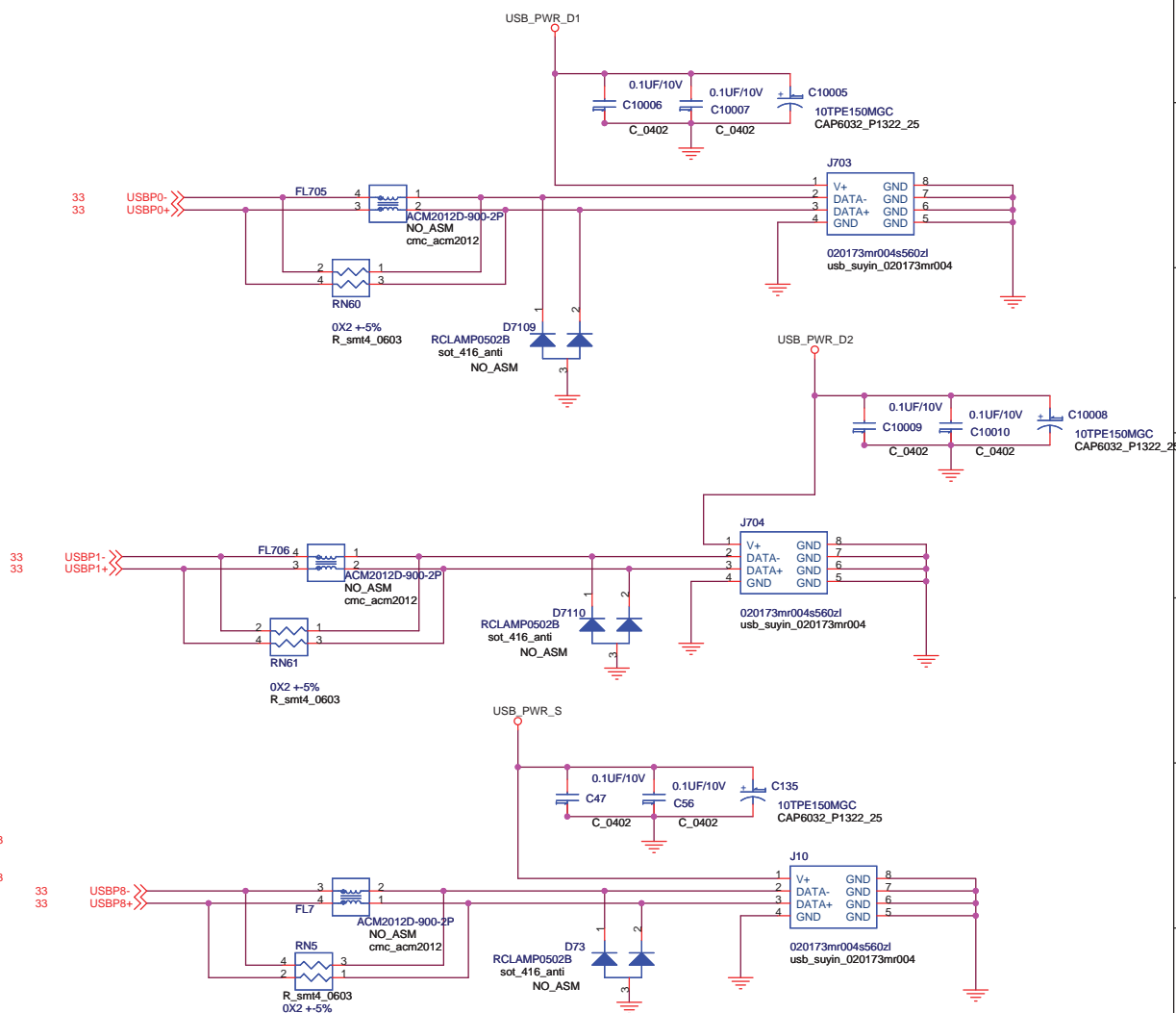
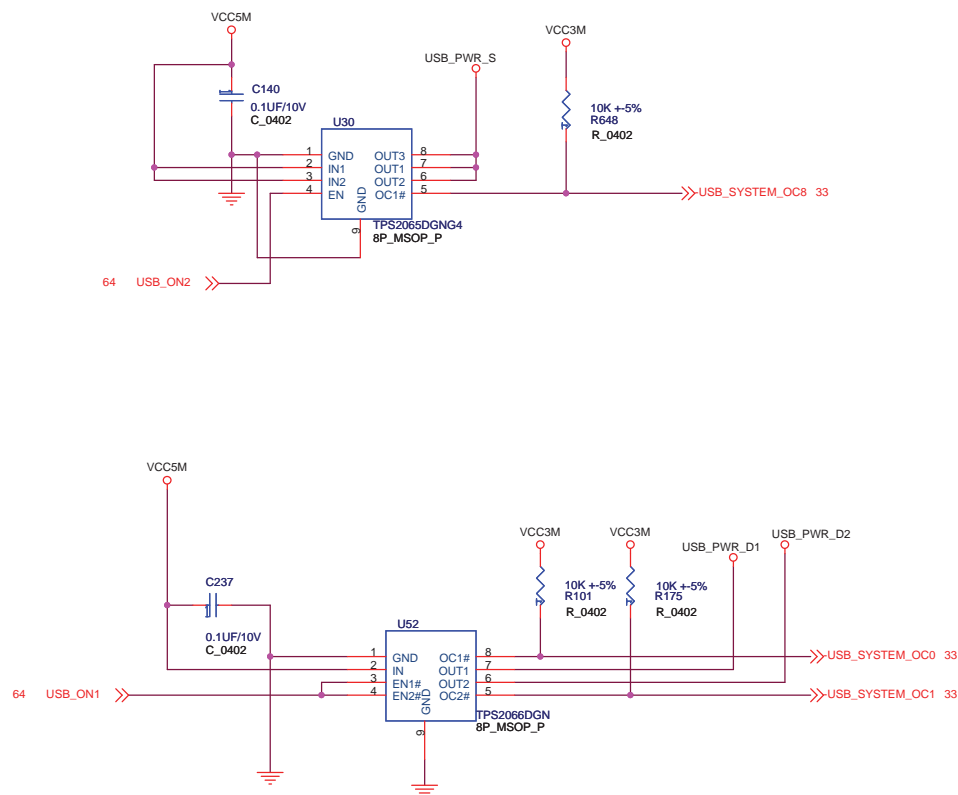
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		TITLE: Kodachi Ver.V1.12
		PATA I/F PU
LENOVO CONFIDENTIAL		sheet 30 of 99 Thursday, May 31, 2007




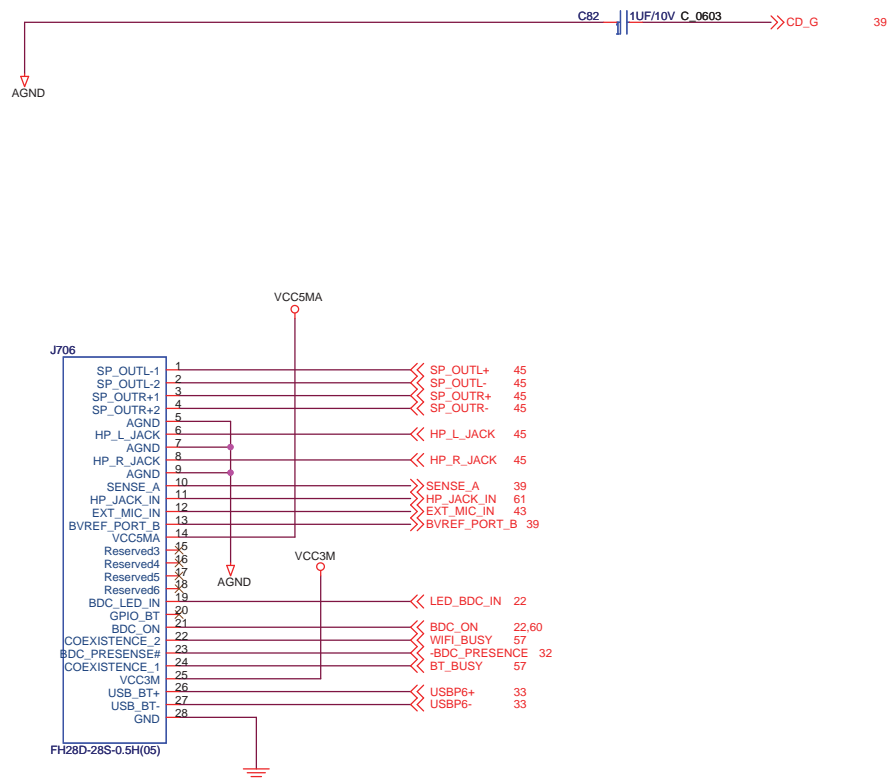
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		TITLE: Kodachi Ver.V1.12
		FWH,RTC BATTERY
LENOVO CONFIDENTIAL		sheet 35 of 99 Thursday, May 31, 2007




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		TITLE: Kodachi Ver.V1.12
		SATA HDD CONN
LENOVO CONFIDENTIAL		sheet 36 of 99 Thursday, May 31, 2007




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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		AUDIO MISC
LENOVO CONFIDENTIAL		sheet 40 of 99 Thursday, May 31, 2007


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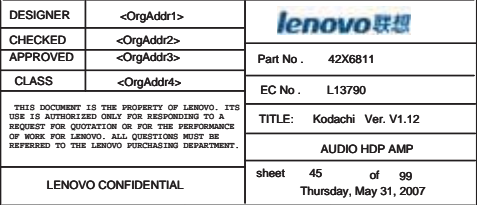
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		AUDIO INT MIC
LENOVO CONFIDENTIAL		sheet 41 of 99 Thursday, May 31, 2007

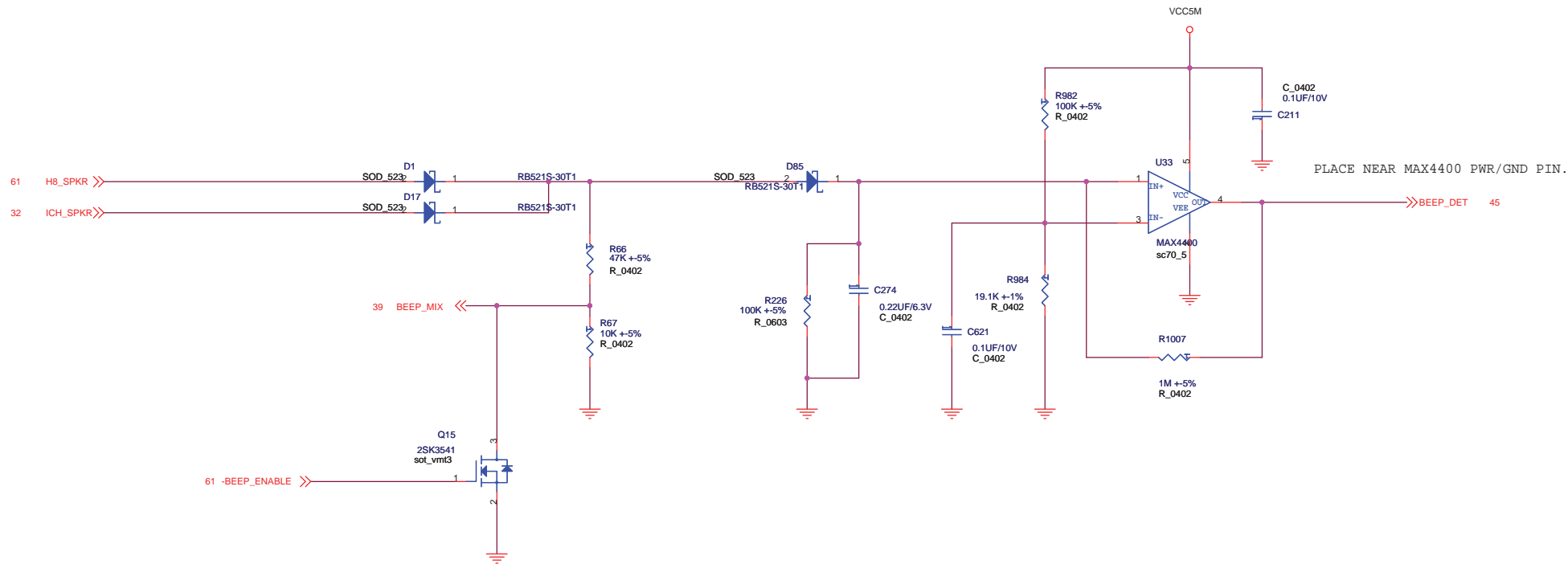
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		EXT MIC JACK
		sheet 42 of 99 Thursday, May 31, 2007

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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		AUDIO SPEAKER
		sheet 44 of 99 Thursday, May 31, 2007






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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		AUDIO HDP BEEP
LENOVO CONFIDENTIAL		sheet 46 of 99 Thursday, May 31, 2007


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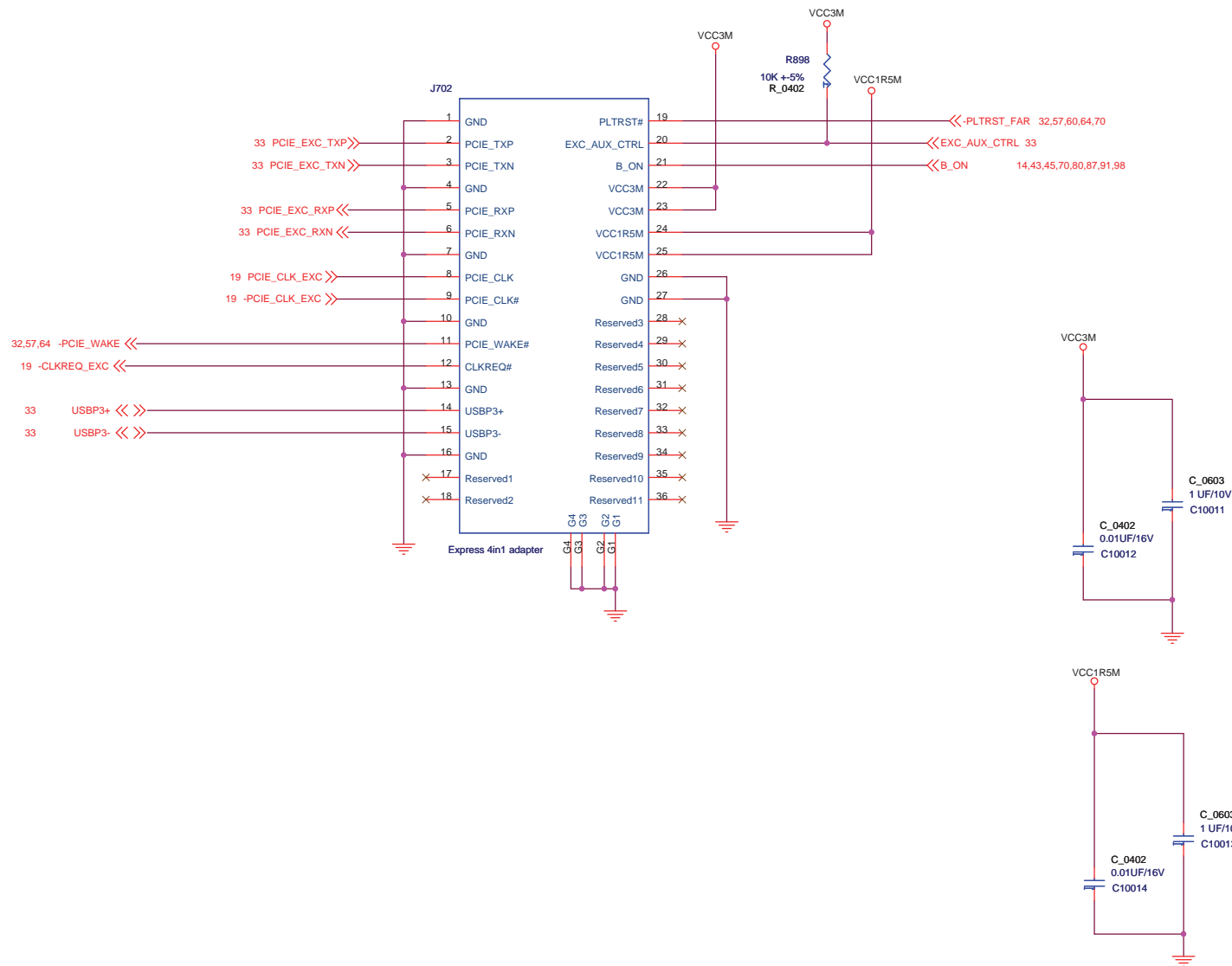
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		MDC Conexant CX20548
		sheet 47 of 99 Thursday, May 31, 2007


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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		CARDBUS CONTROLLER(1/2)
		sheet 48 of 99 Thursday, May 31, 2007


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		EC No . L13790
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LENOVO CONFIDENTIAL		CARD BUS CONTROLLER(2/2)
		sheet 49 of 99 Thursday, May 31, 2007




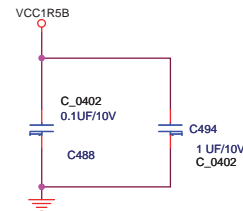
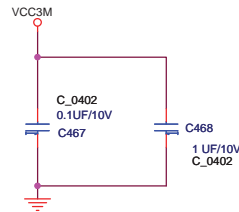
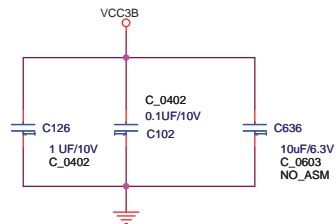
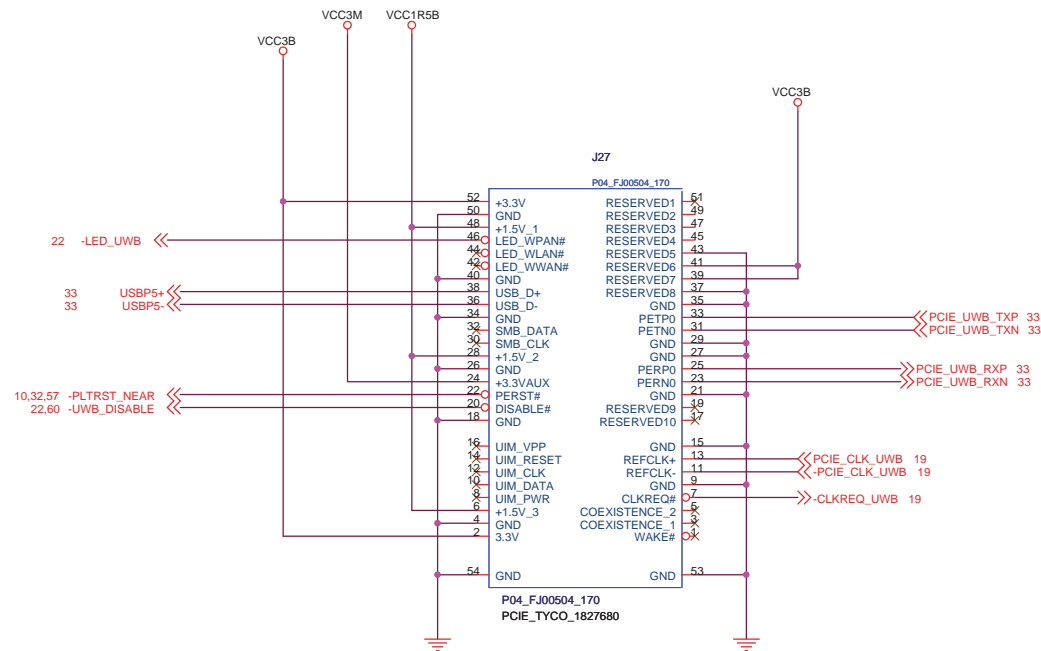
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		Express 4IN1 SLOT
LENOVO CONFIDENTIAL		sheet 50 of 99 Thursday, May 31, 2007


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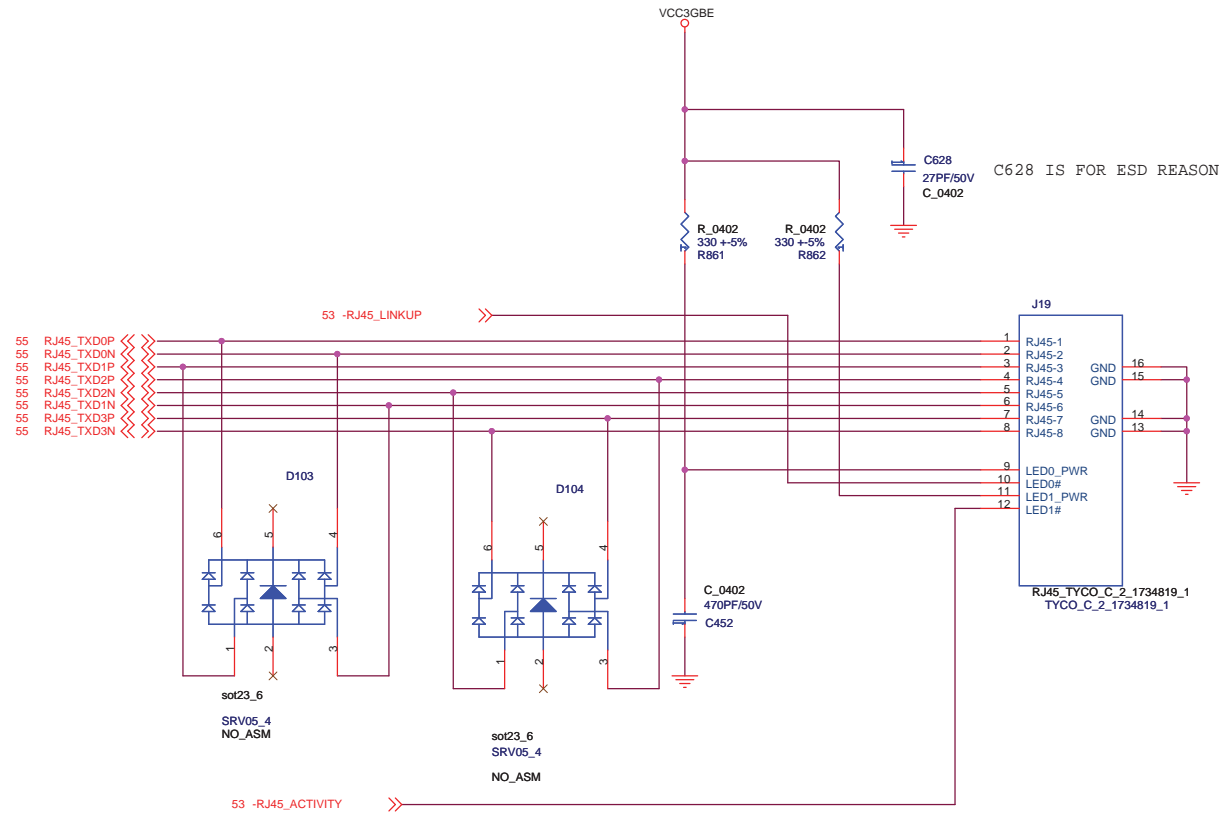
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		CARDBUS PWR CONTROL
		sheet 51 of 99 Thursday, May 31, 2007


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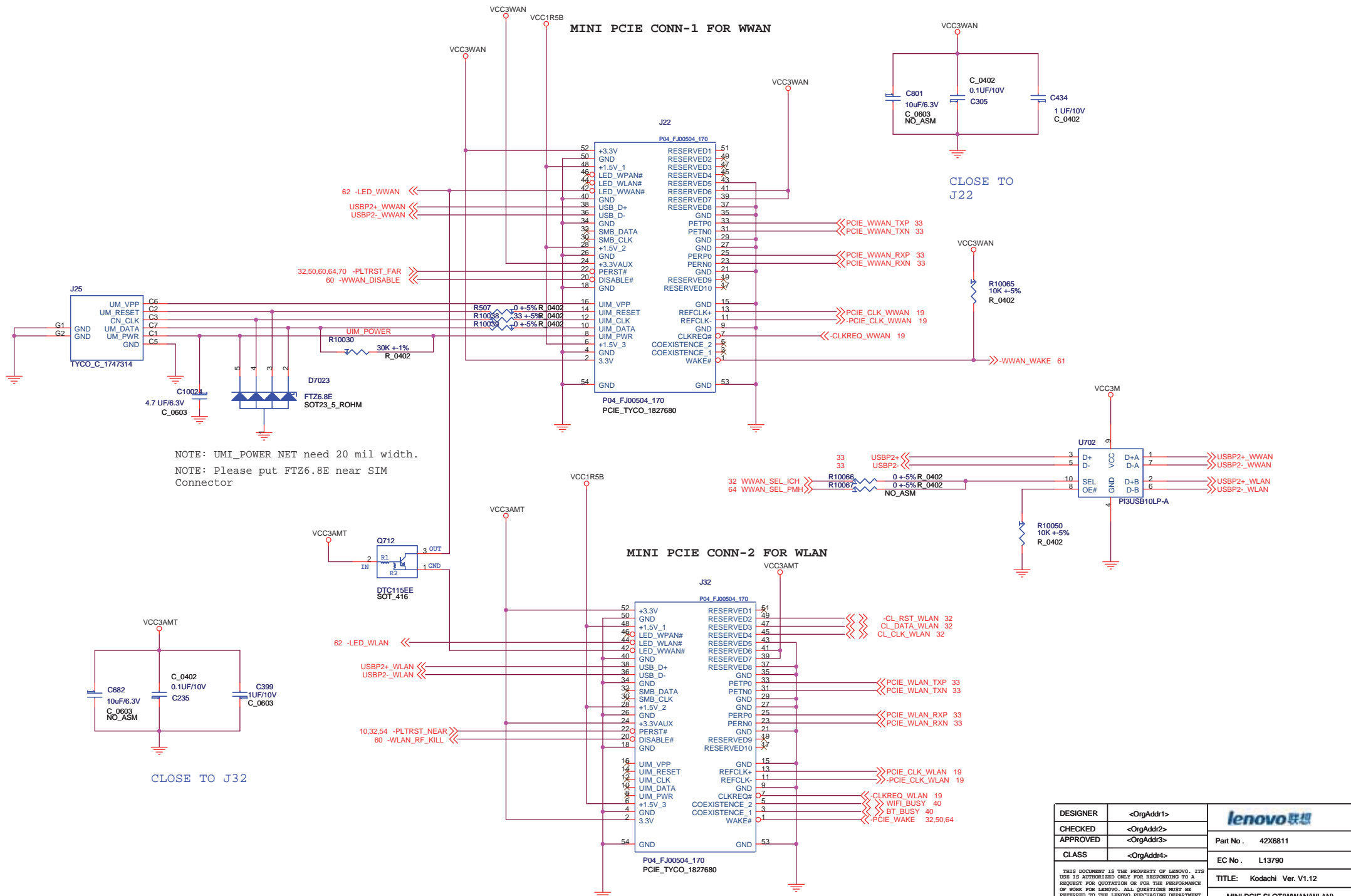
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		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		GBE LAN SW
		sheet 52 of 99 Thursday, May 31, 2007




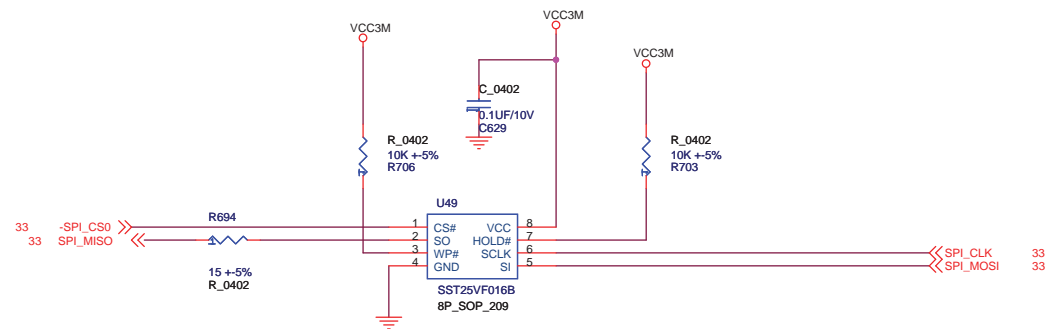
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		TITLE: Kodachi Ver.V1.12
		MICRO PCIe CONN
LENOVO CONFIDENTIAL		sheet 54 of 99 Thursday, May 31, 2007




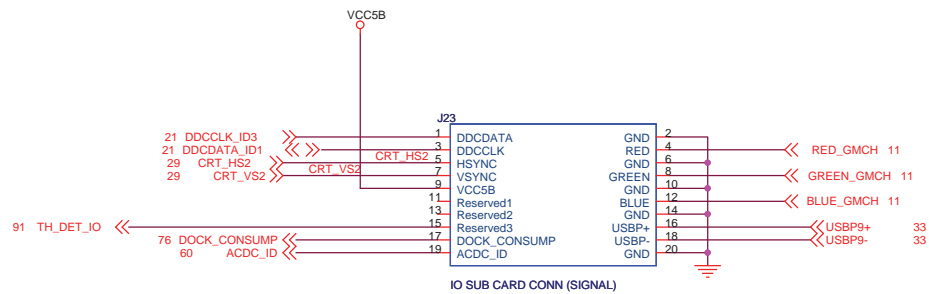
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		TITLE: Kodachi Ver.V1.12
		RJ45 CONN
LENOVO CONFIDENTIAL		sheet 56 of 99 Thursday, May 31, 2007




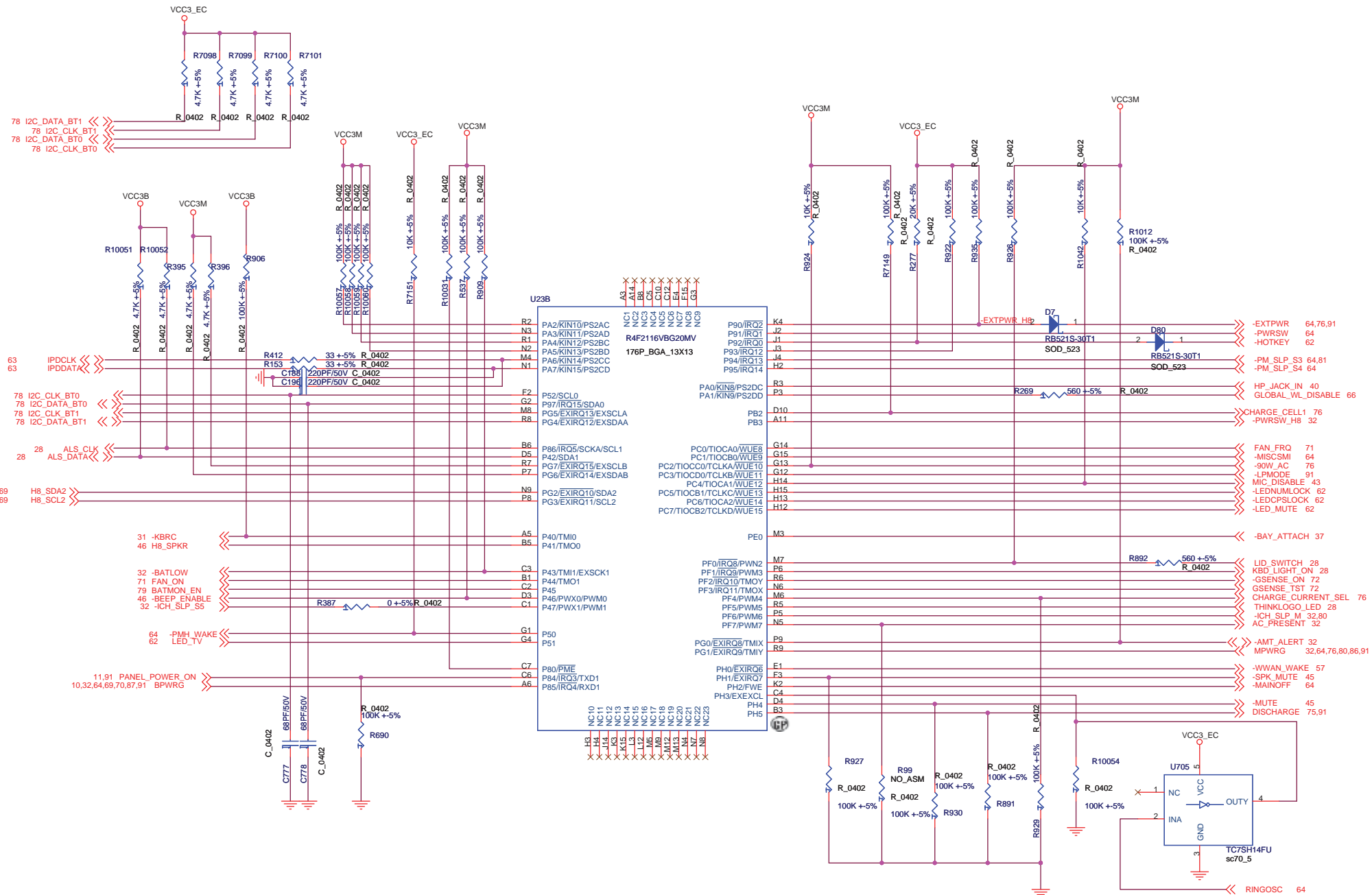
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LENOVO CONFIDENTIAL		




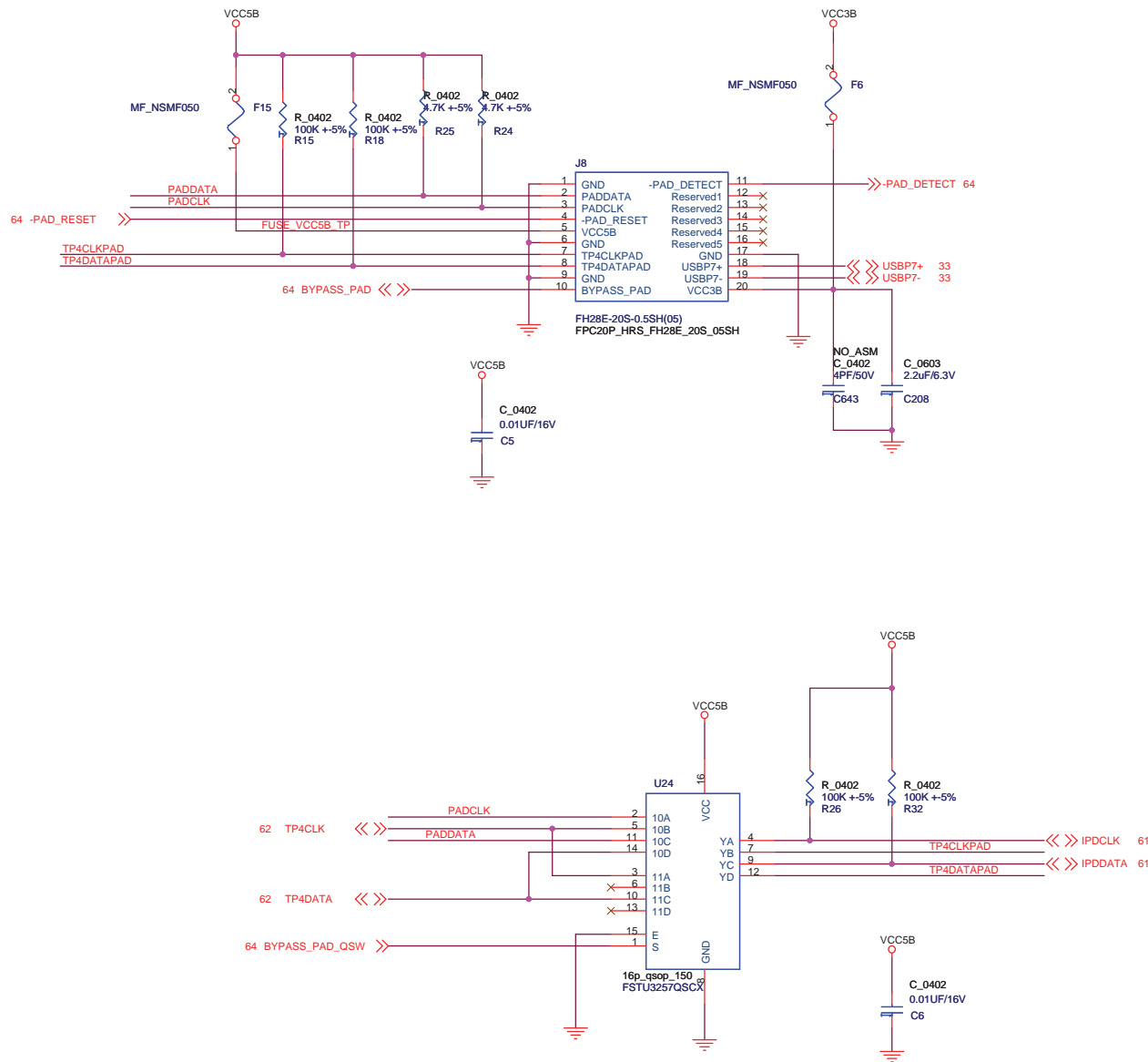
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		EEPROM/FLASH/SHARED
LENOVO CONFIDENTIAL		sheet 58 of 99 Thursday, May 31, 2007




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		TITLE: Kodachi Ver.V1.12
		DOCK CONN
LENOVO CONFIDENTIAL		sheet 59 of 99 Thursday, May 31, 2007




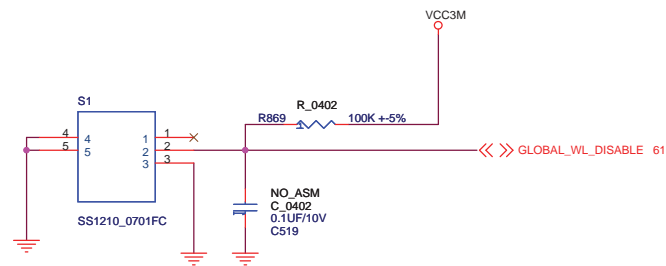
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		TITLE: Kodachi Ver.V1.12
		H8S(2/2)
LENOVO CONFIDENTIAL		sheet 61 of 99 Thursday, May 31, 2007




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LENOVO CONFIDENTIAL		TP CONN
sheet 63 of 99		Thursday, May 31, 2007


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LENOVO CONFIDENTIAL		SIO WPCN385SDG
		sheet 65 of 99 Thursday, May 31, 2007




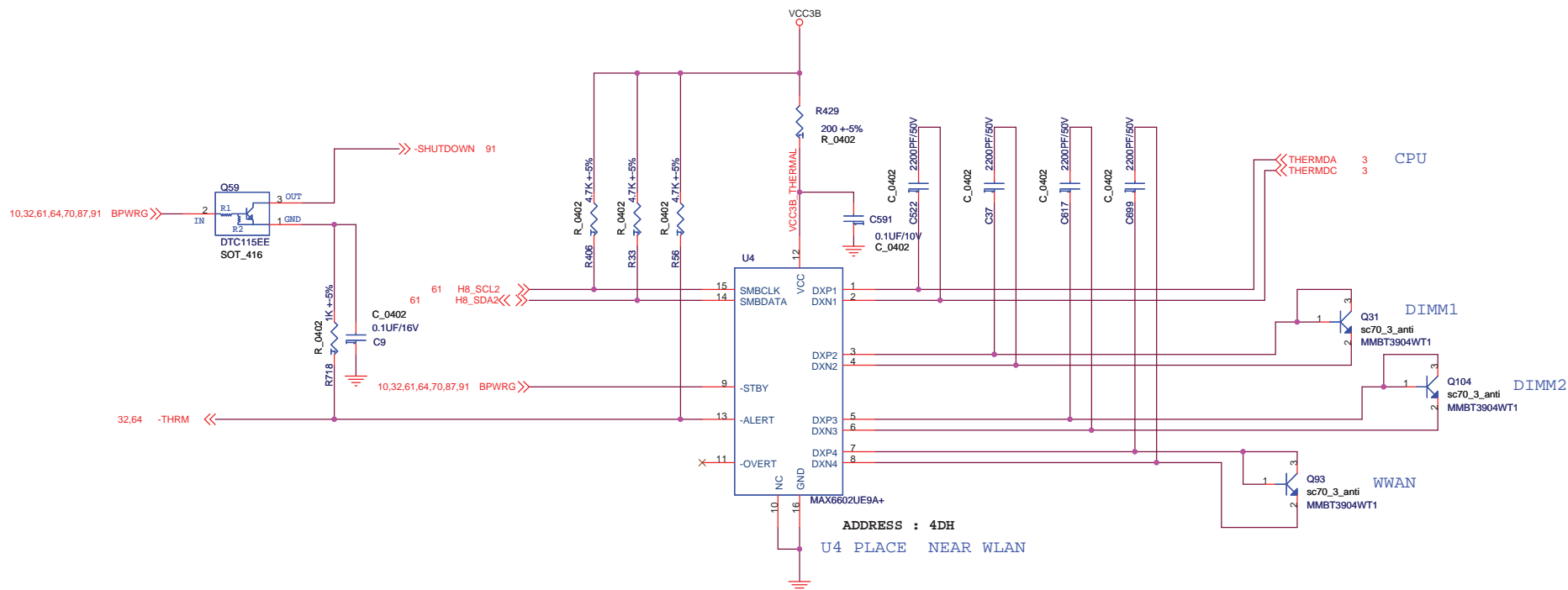
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		WIRELESS DISABLE SW
LENOVO CONFIDENTIAL		sheet 66 of 99 Thursday, May 31, 2007


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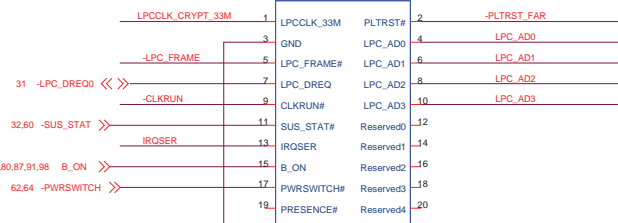
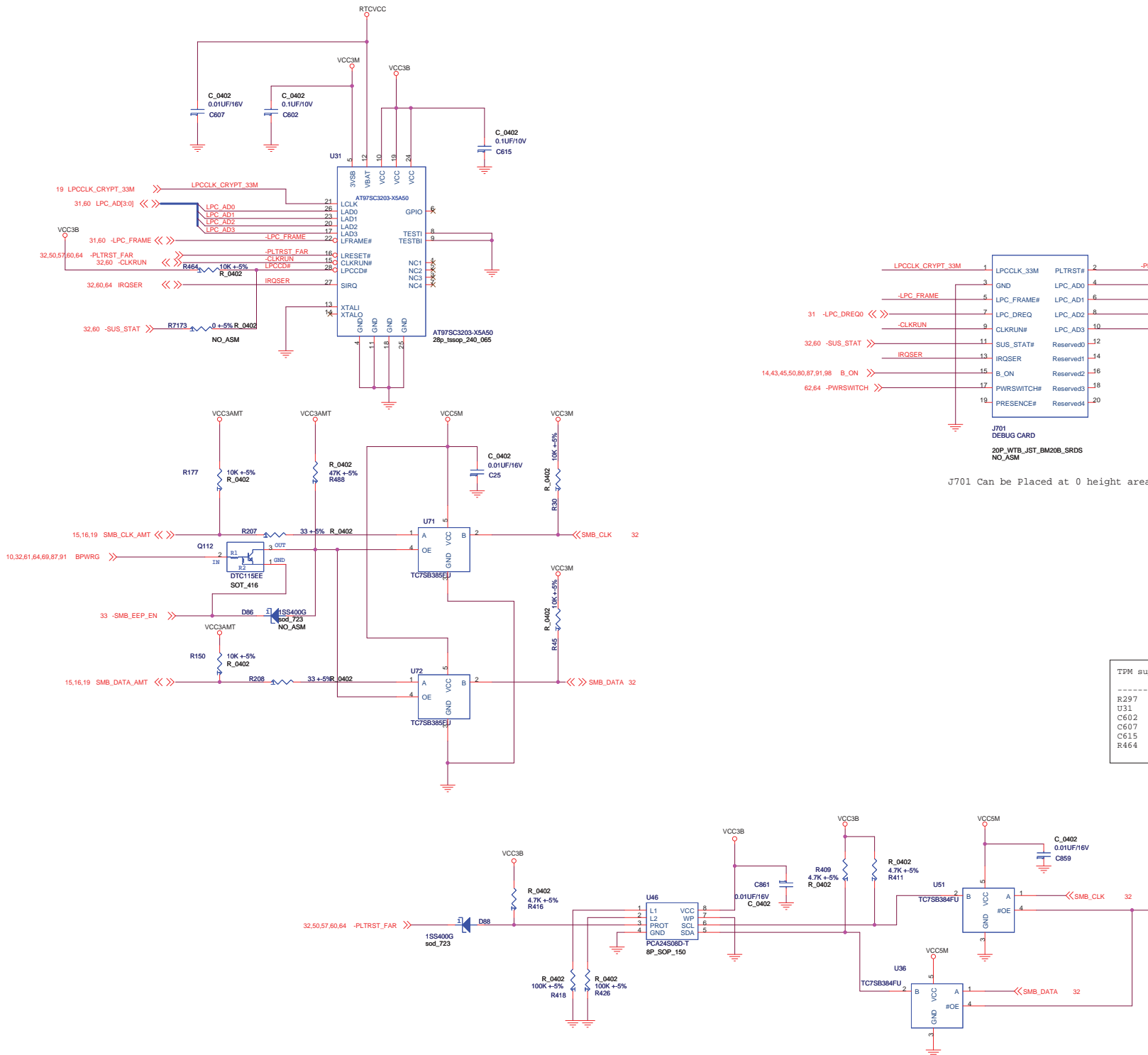
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		SERIAL INTERFACE
		sheet 67 of 99 Thursday, May 31, 2007

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		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		sheet 68 of 99 Thursday, May 31, 2007



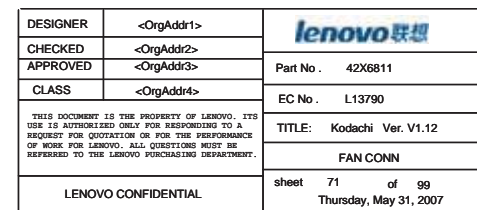
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		THERMAL SENSOR
LENOVO CONFIDENTIAL		sheet 69 of 99 Thursday, May 31, 2007

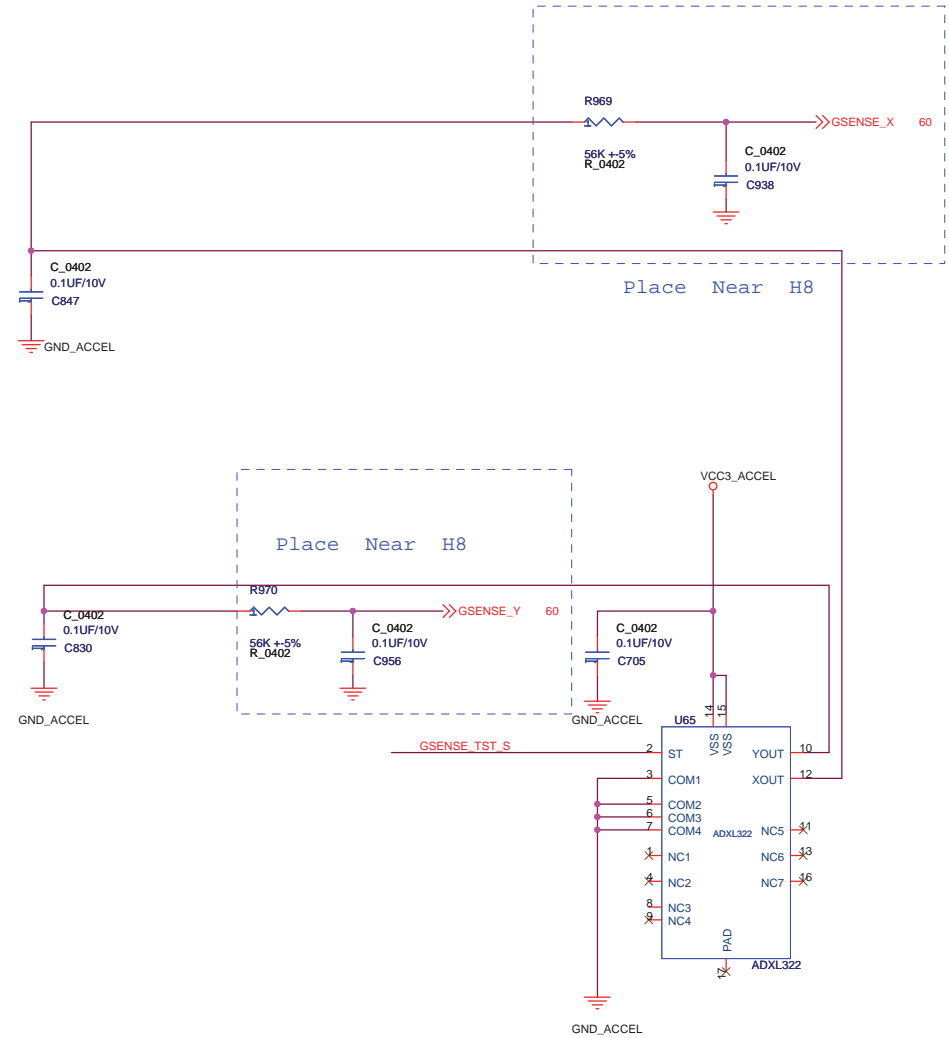
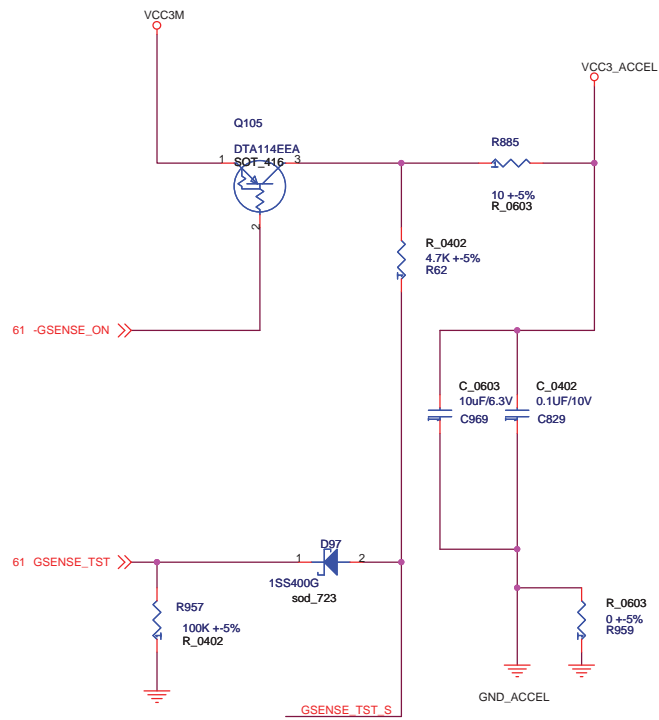



J701 Can be Placed at 0 height area

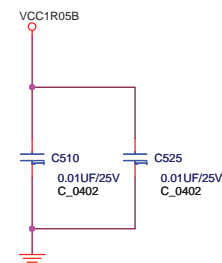
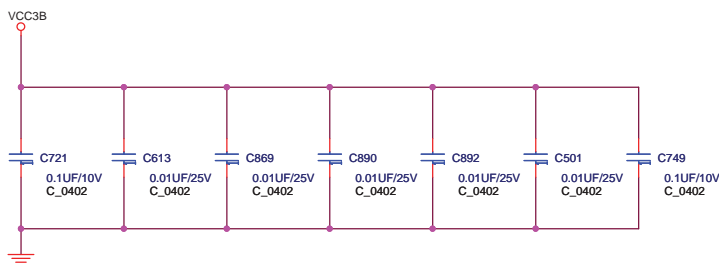
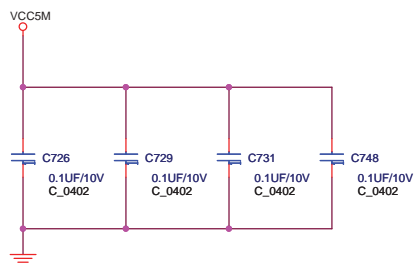
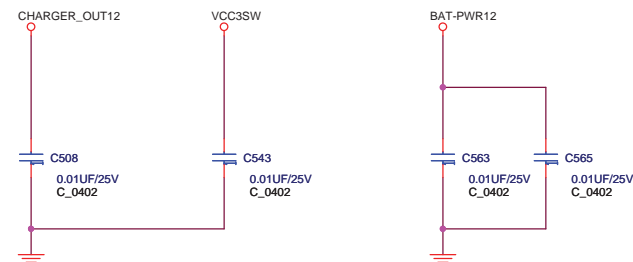
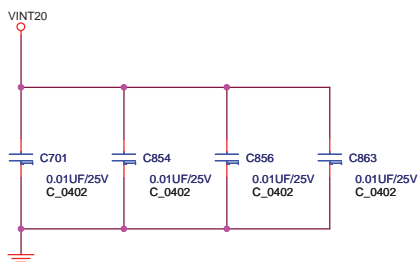
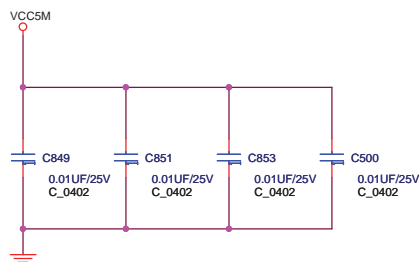
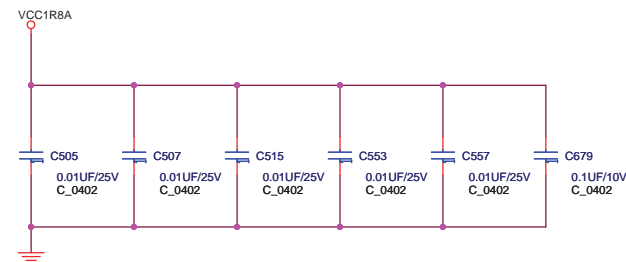
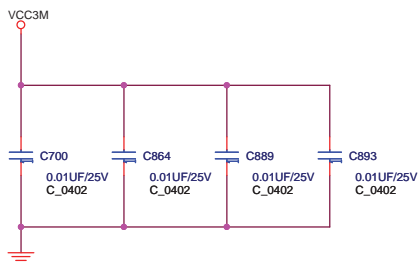
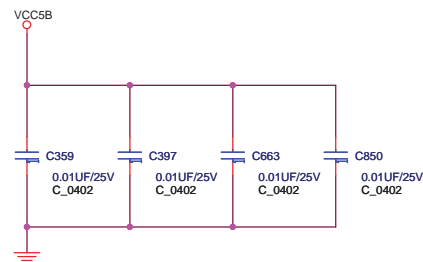
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LENOVO CONFIDENTIAL		EC No. L13790
		TITLE: Kodachi Ver.V1.12
		IC2 BUS/SMBUS
		sheet 70 of 89
		Thursday, May 31, 2007






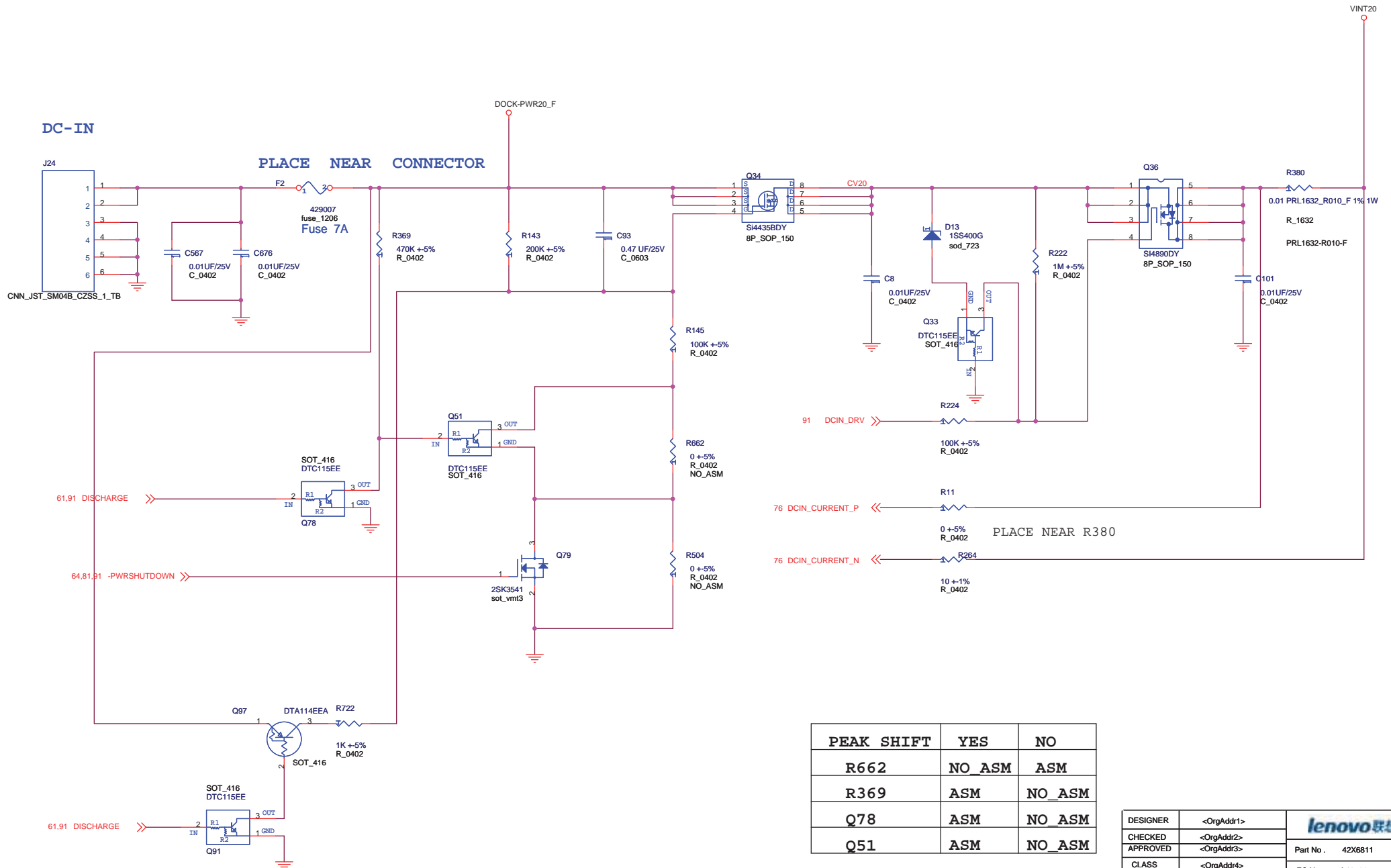
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		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		RGB SWITCH
		sheet 74 of 99 Thursday, May 31, 2007

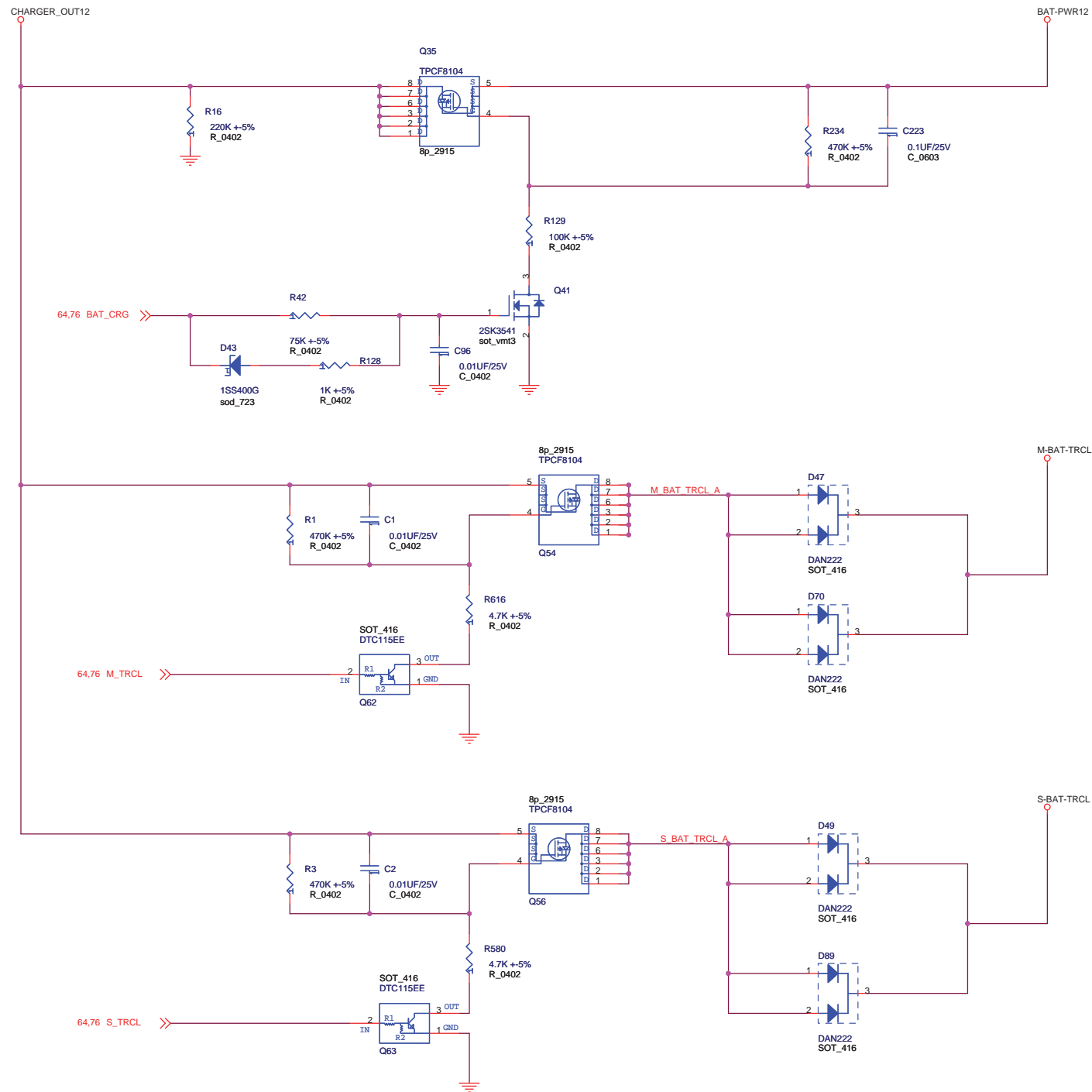



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R369	ASM	NO_ASM
Q78	ASM	NO_ASM
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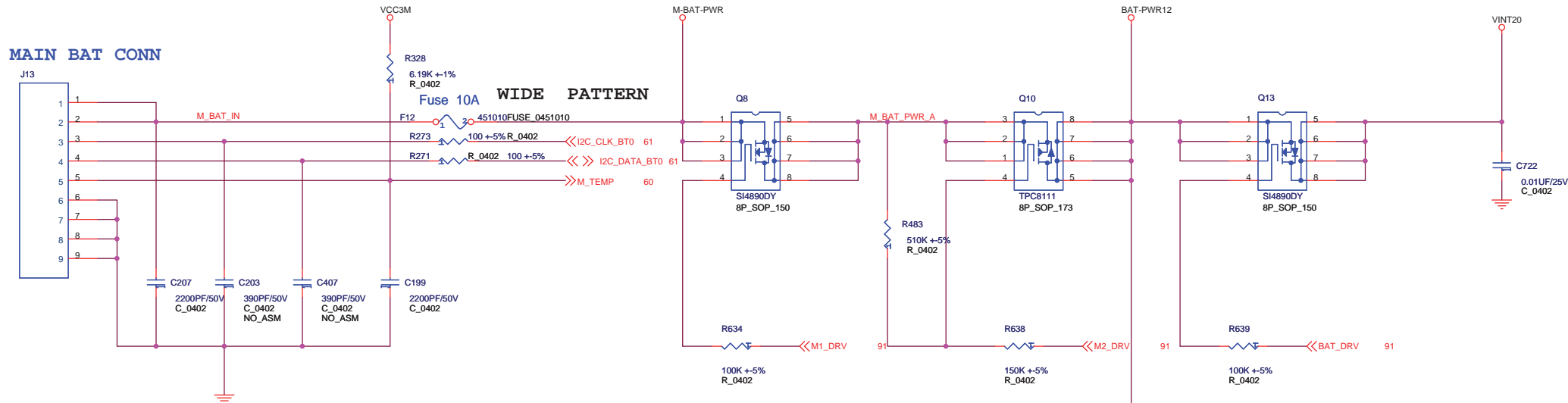


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LENOVO CONFIDENTIAL		<p>sheet 76 of 99</p> <p>Thursday, May 31, 2007</p>

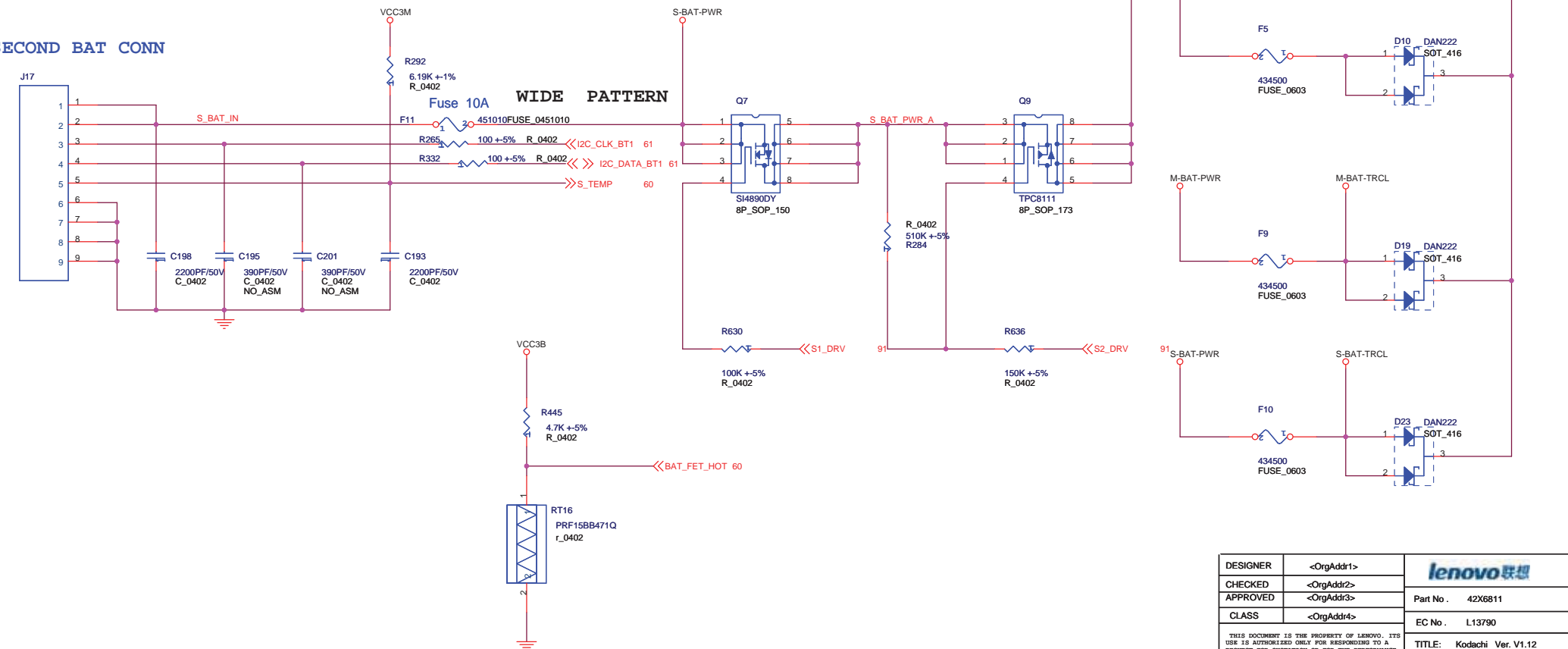



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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		CHARGE SELECTOR
LENOVO CONFIDENTIAL		sheet 77 of 99 Thursday, May 31, 2007

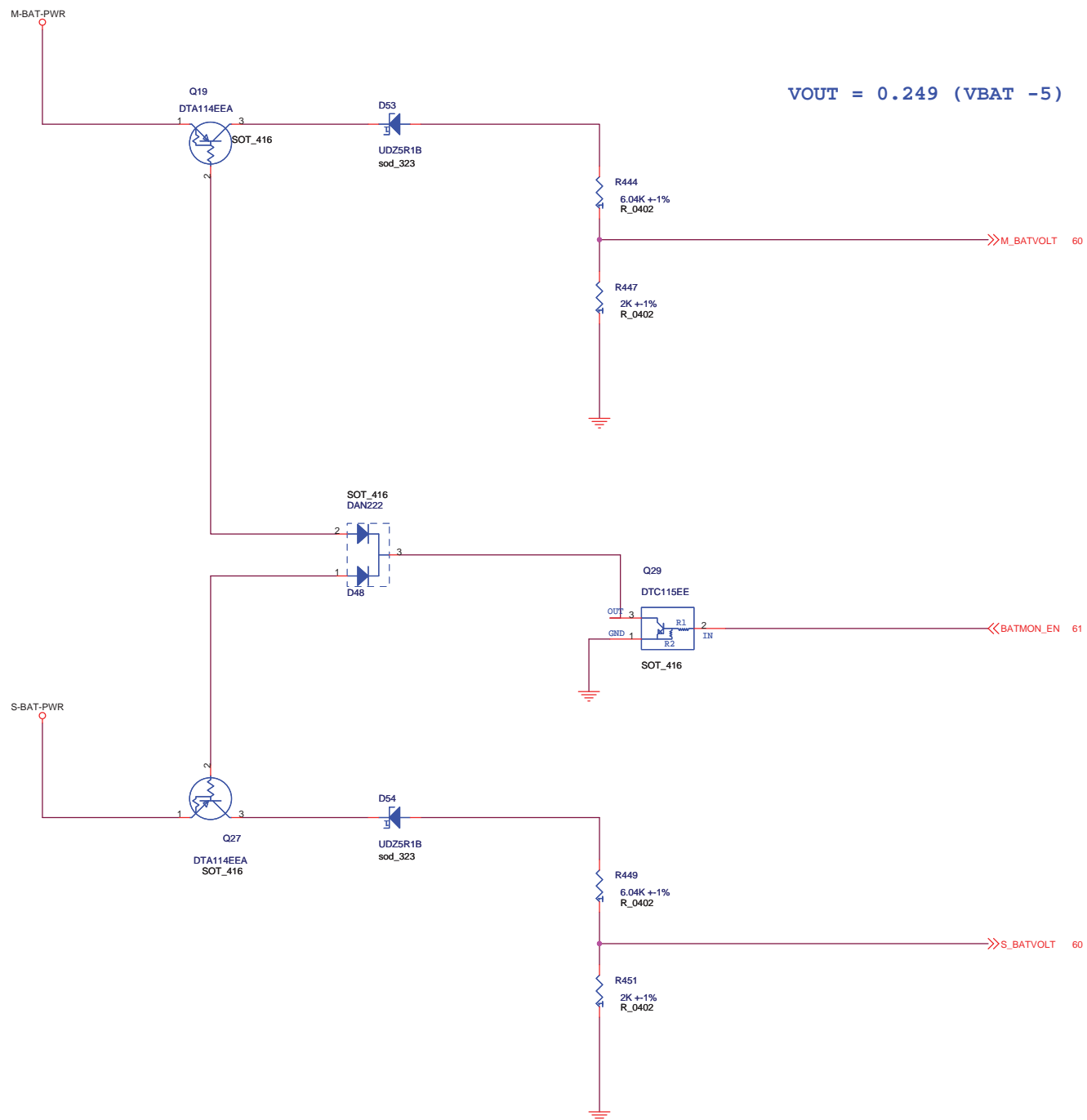
MAIN BAT CONN




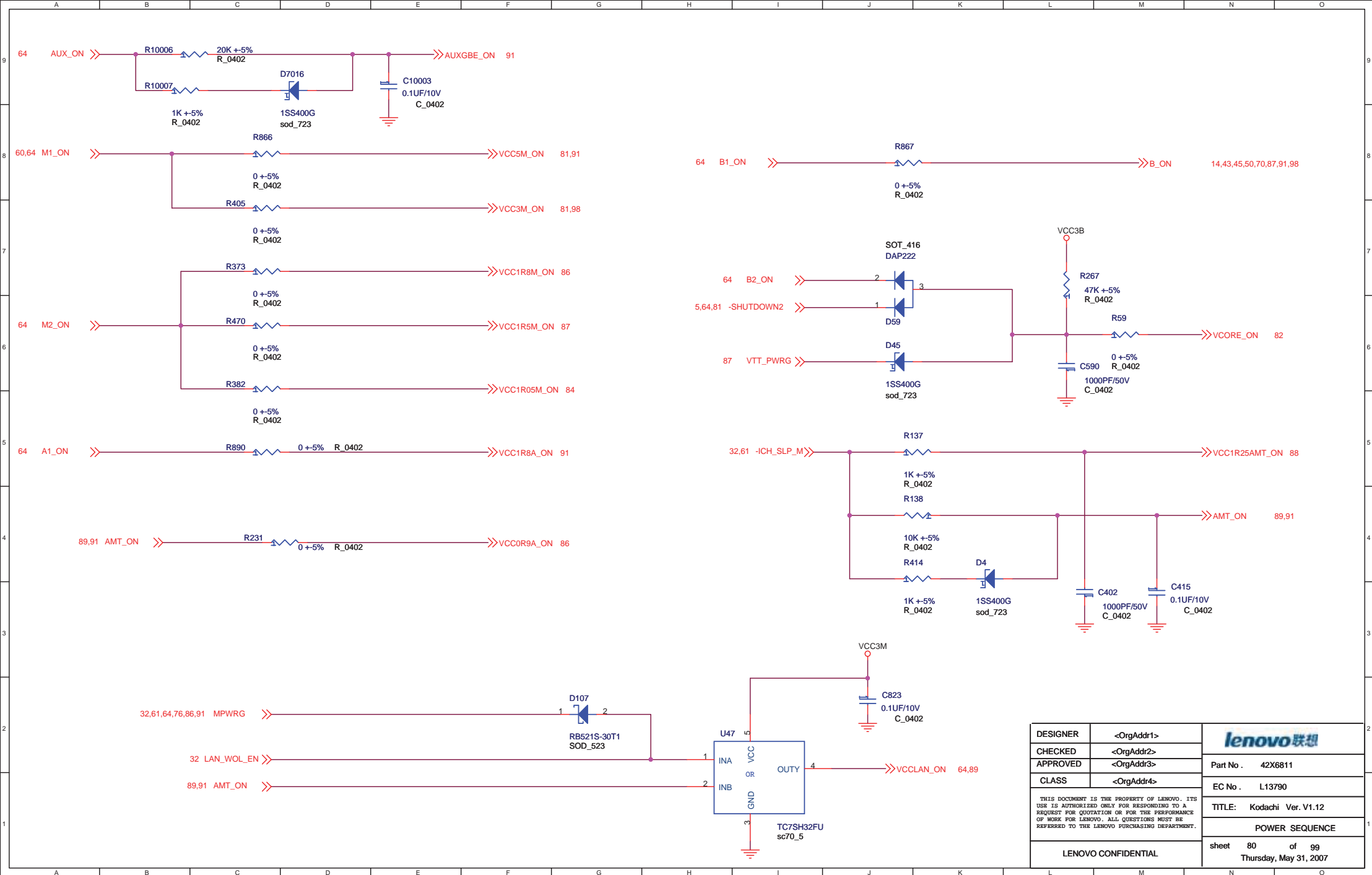
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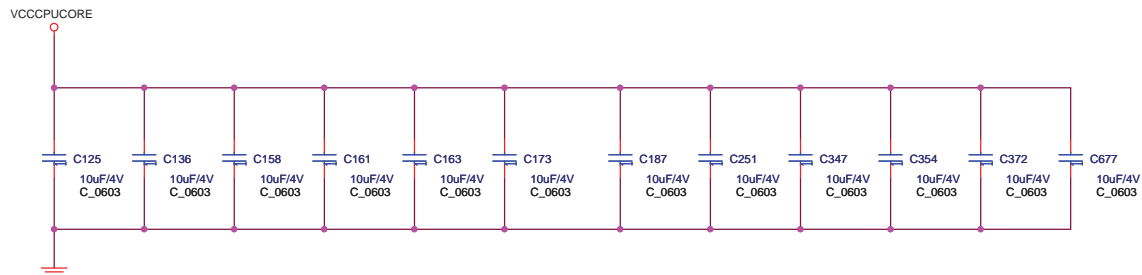


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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
		BATTERY MONITOR
LENOVO CONFIDENTIAL		sheet 79 of 99 Thursday, May 31, 2007

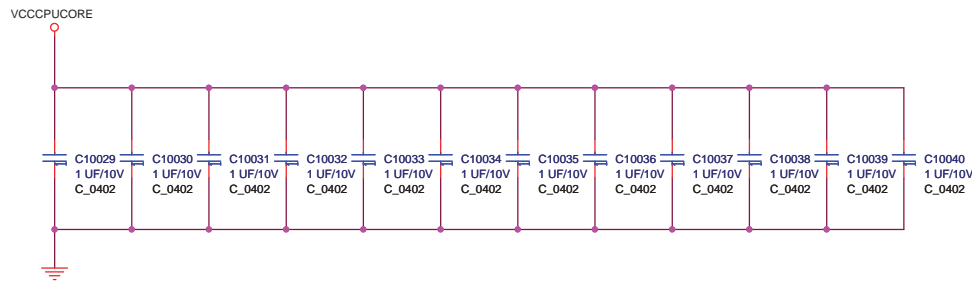
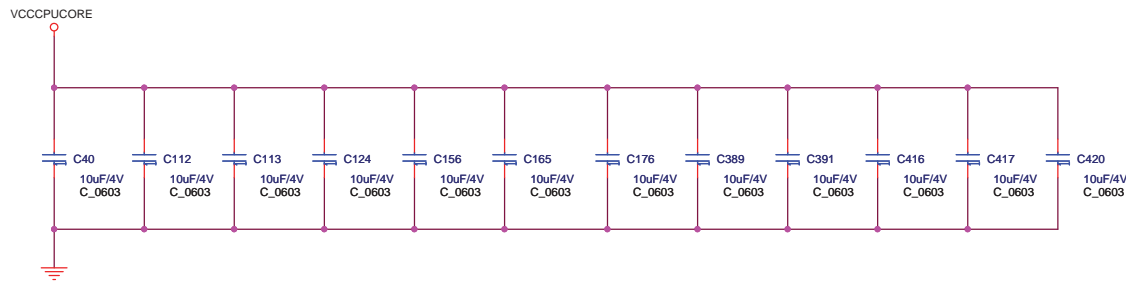


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<small>THIS DOCUMENT IS THE PROPERTY OF LENOVO. ITS USER IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK FOR LENOVO. ALL QUESTIONS MUST BE REFERRED TO THE LENOVO PURCHASING DEPARTMENT.</small>		EC No . L13790
		TITLE: Kodachi Ver. V1.12
LENOVO CONFIDENTIAL		POWER SEQUENCE
		sheet 80 of 99 Thursday, May 31, 2007

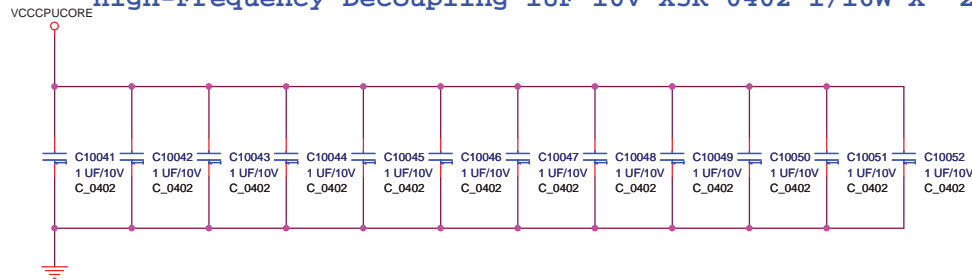





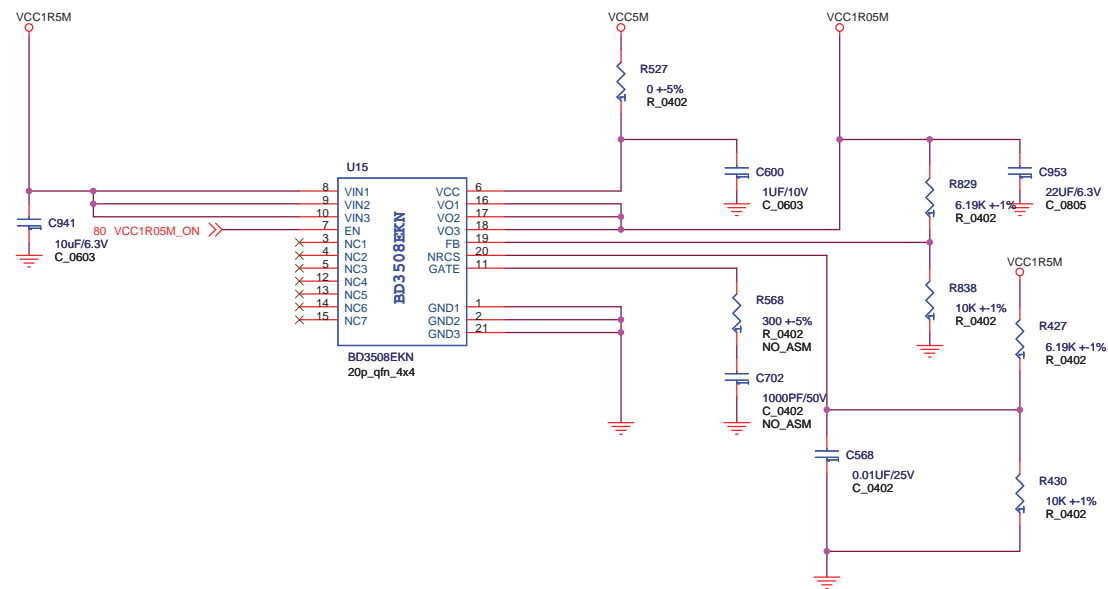
Mid-Frequency Decoupling Kyocera CM105X5R106M04AT 10UF 4V X5R 0603 1/16W X 24PCS




High-Frequency Decoupling 1UF 10V X5R 0402 1/16W X 24PCS




DESIGNER	<OrgAddr1>	 Part No . 42X6811 EC No . L13790 TITLE: Kodachi Ver.V1.12 VCCCPUCORE DECOUPLING sheet 83 of 99 Thursday, May 31, 2007
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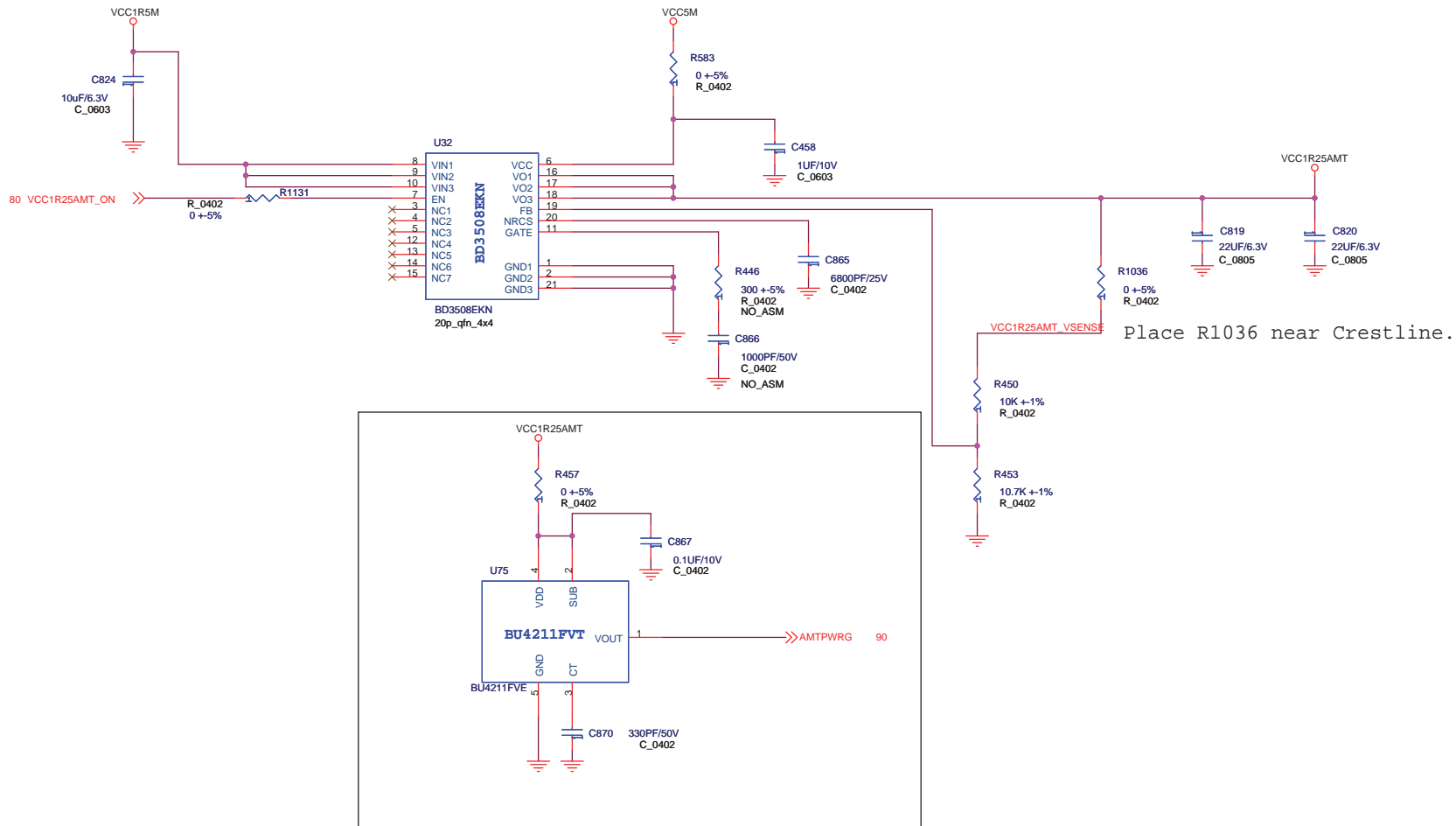
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		VCC1R5M
LENOVO CONFIDENTIAL		sheet 84 of 99 Thursday, May 31, 2007


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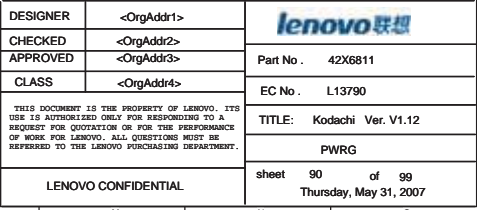
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		EC No . L13790
		TITLE: Kodachi Ver. V1.12
LENOVO CONFIDENTIAL		VCCGFXCORE(MAX1993)
		sheet 85 of 99 Thursday, May 31, 2007

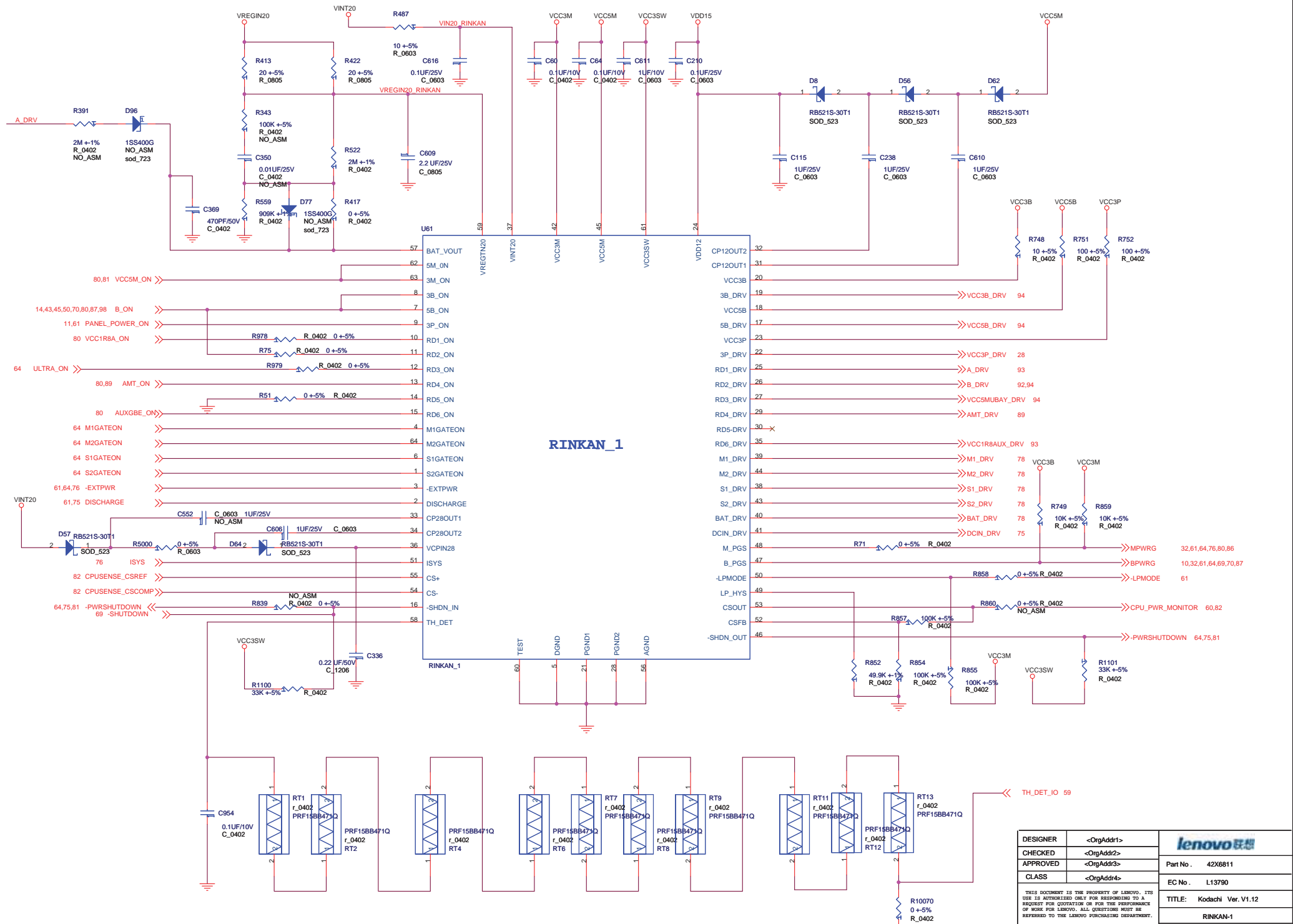



lenovo 联想



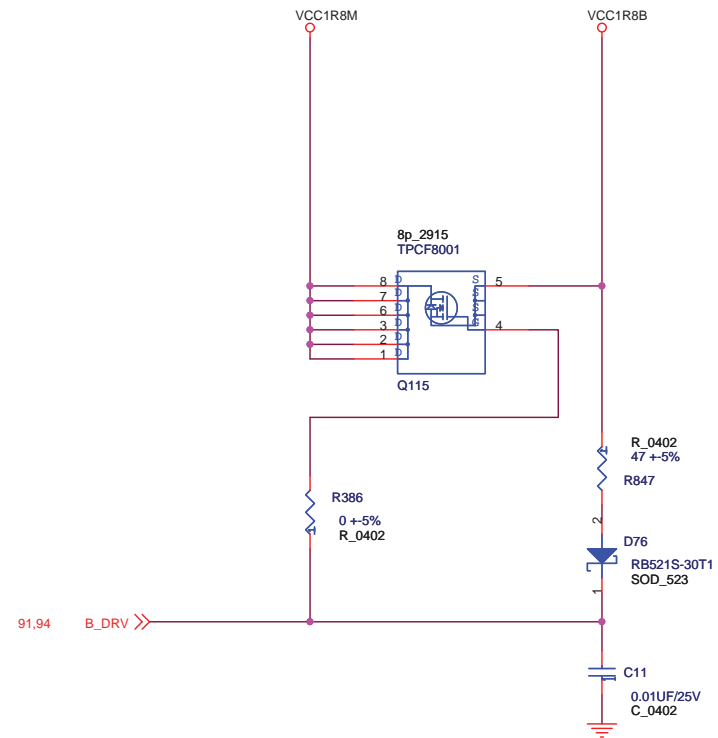
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LENOVO CONFIDENTIAL		VCC1R25B(VT322)
		sheet 88 of 99 Thursday, May 31, 2007




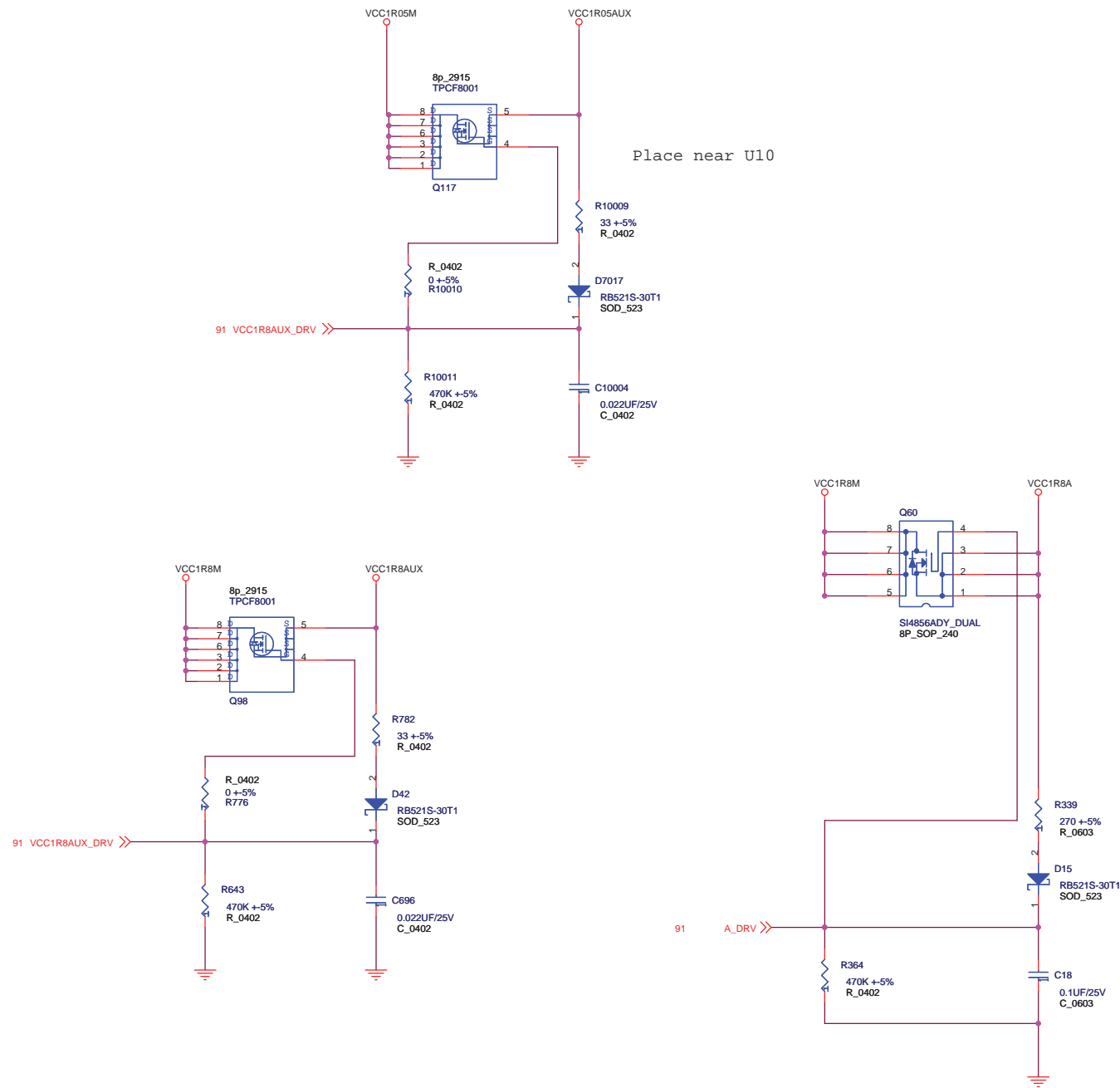



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LENOVO CONFIDENTIAL		EC No. L13790
		TITLE: Kodachi Ver. V1.12
		RINKAN-1
		sheet 91 of 99
		Thursday, May 31, 2007

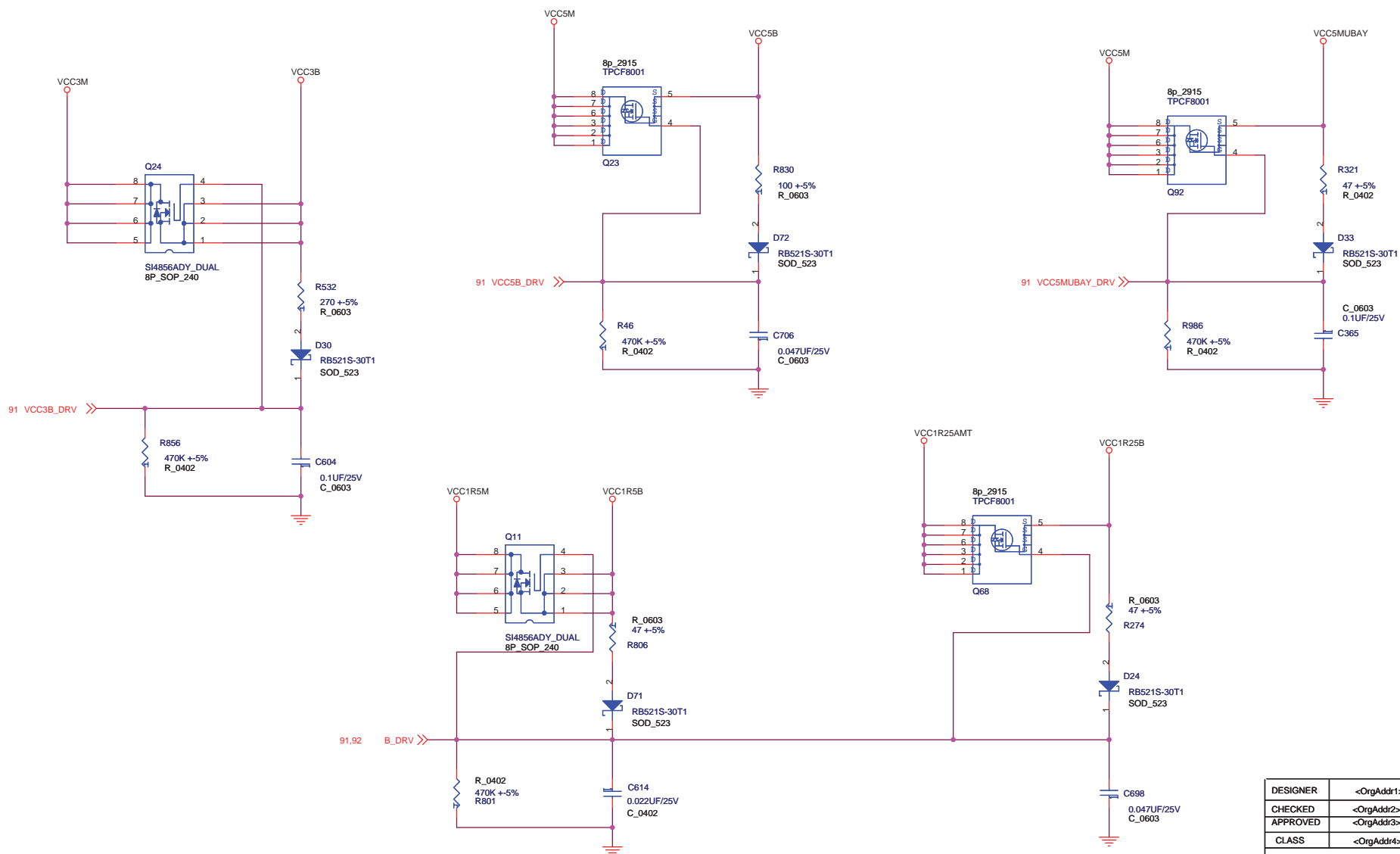
<http://laptop-motherboard-schematic.blogspot.com/>




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		TITLE: Kodachi Ver. V1.12
		LOAD SW VIDEO
LENOVO CONFIDENTIAL		sheet 92 of 99 Thursday, May 31, 2007




DESIGNER	<OrgAddr1>	 Part No . 42X6811 EC No . L13790 TITLE: Kodachi Ver.V1.12 LOAD SW AUX1 AUX2 sheet 93 of 99 Thursday, May 31, 2007
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DESIGNER	<OrgAddr1>	 Part No . 42X6811 EC No . L13790 TITLE: Kodachi Ver.V1.12 LOAD SW B&UBAY sheet 94 of 99 Thursday, May 31, 2007
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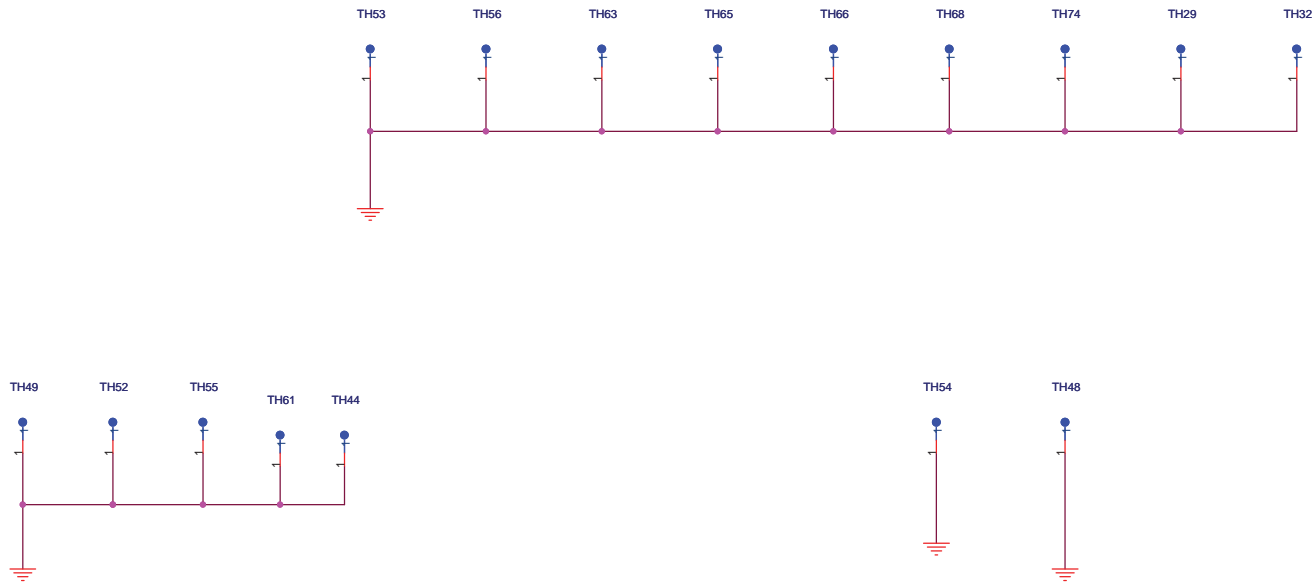
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		MAX POWER CTRL
		sheet 95 of 99 Thursday, May 31, 2007

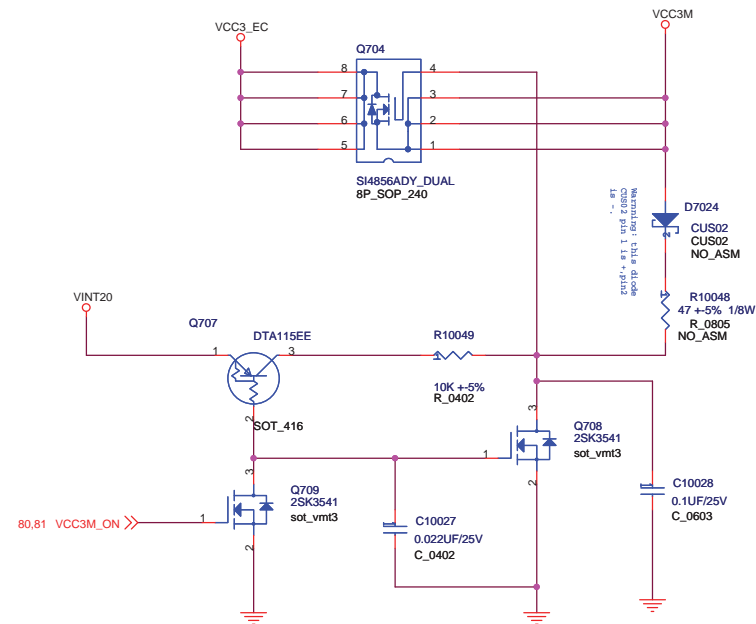
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		POWER MONITOR
		sheet 96 of 99 Thursday, May 31, 2007

PTH FOR SCREW HOLE



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LENOVO CONFIDENTIAL		PTH SCREW HOLES
sheet 97 of 99		Thursday, May 31, 2007




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KODACHI EC History List

Pre DV Phase--->

Ver.1.00	20070404	APPLIED KODACHI_SDV_EC 001-024
Ver.1.01	20070409	APPLIED KODACHI_SDV_EC 025-038
Ver.1.02	20070413	APPLIED KODACHI_SDV_EC 039-047
Ver.1.03	20070418	APPLIED KODACHI_SDV_EC 048-053
Ver.1.04	20070424	APPLIED KODACHI_SDV_EC 054-068
Ver.1.05	20070426	APPLIED KODACHI_SDV_EC 069-082,033,059
Ver.1.06	20070430	APPLIED KODACHI_SDV_EC 083-094
Ver.1.07	20070505	APPLIED KODACHI_SDV_EC 095-104
Ver.1.08	20070505	APPLIED KODACHI_SDV_EC 105-114
Ver.1.09	20070514	APPLIED KODACHI_SDV_EC 115-125
Ver.1.10	20070518	APPLIED KODACHI_SDV_EC 126-147
Ver.1.11	20070523	APPLIED KODACHI_SDV_EC 148-152
Ver.1.12	20070531	APPLIED KODACHI_SDV_EC 153-157

DESIGNER	J.CHEN	
CHECKED	Ogawa & OKU	
APPROVED	CHUJO	
CLASS	CHUJO	
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		EC No . L13790
		TITLE: Kodachi Ver.V1.12
LENOVO CONFIDENTIAL		EC History 2
		sheet 99 of 99 Thursday, May 31, 2007