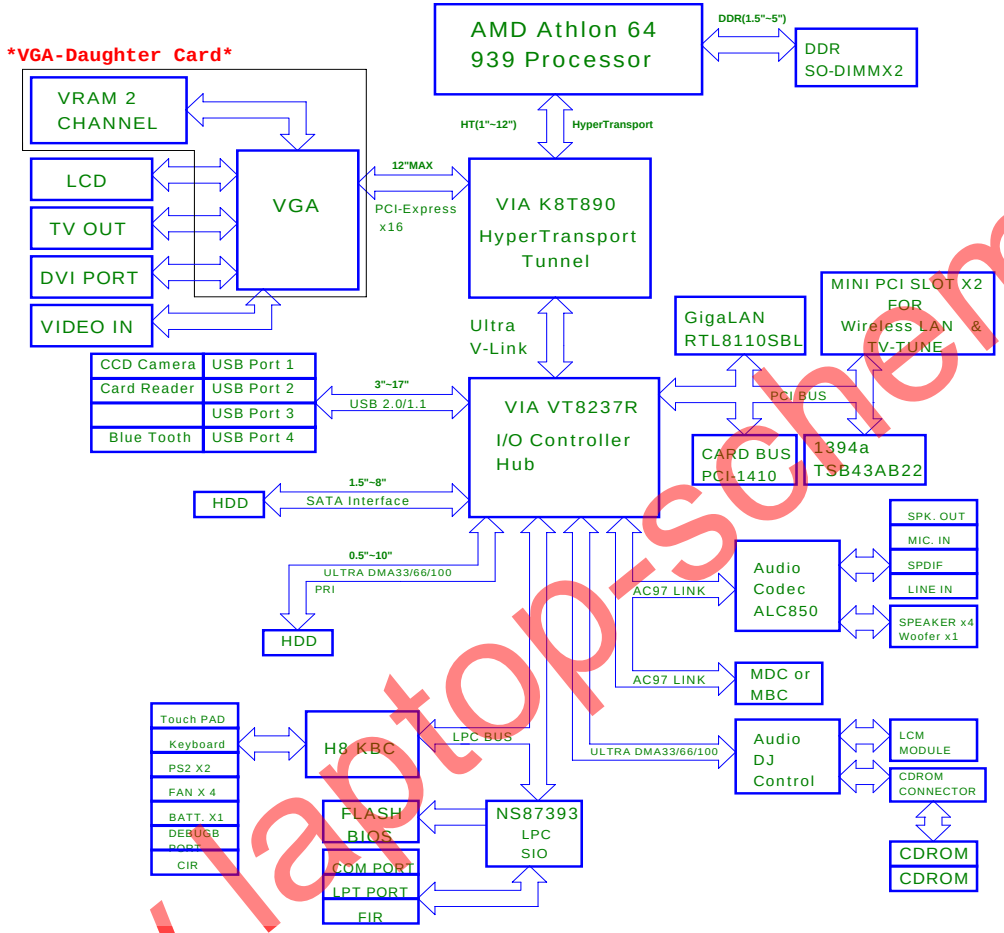
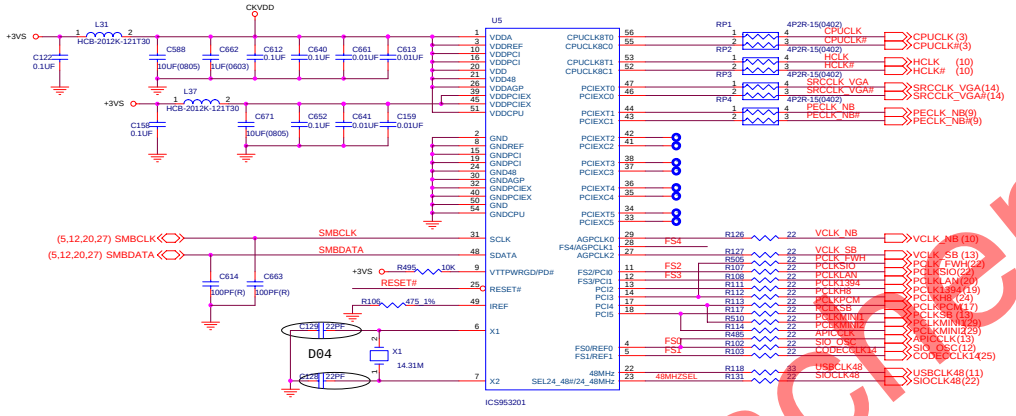
BLOCK DIAGRAM

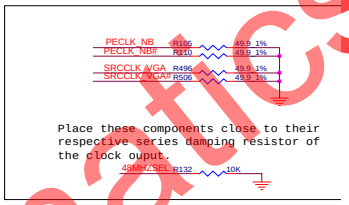


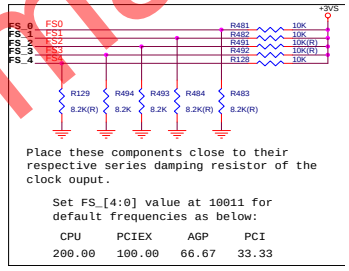
DEVICE	INT#	REQ#/GNT#	IDSEL
PCMCIA	INT#C	PREQ#0 PGNT#0	AD16
1394	INT#E	PREQ#1 PGNT#1	AD17
LAN	INT#F	PREQ#2 PGNT#2	AD19
MINI PCI-1	INT#B	PREQ#4 PGNT#4	AD21
MINI PCI-2	INT#G	PREQ#3 PGNT#3	AD20
K8T890	INT#H		

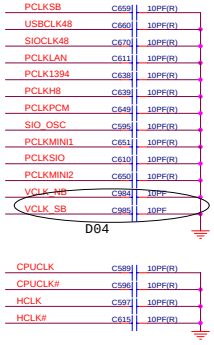
CLOCK GENERATOR



Clock Synthesizer







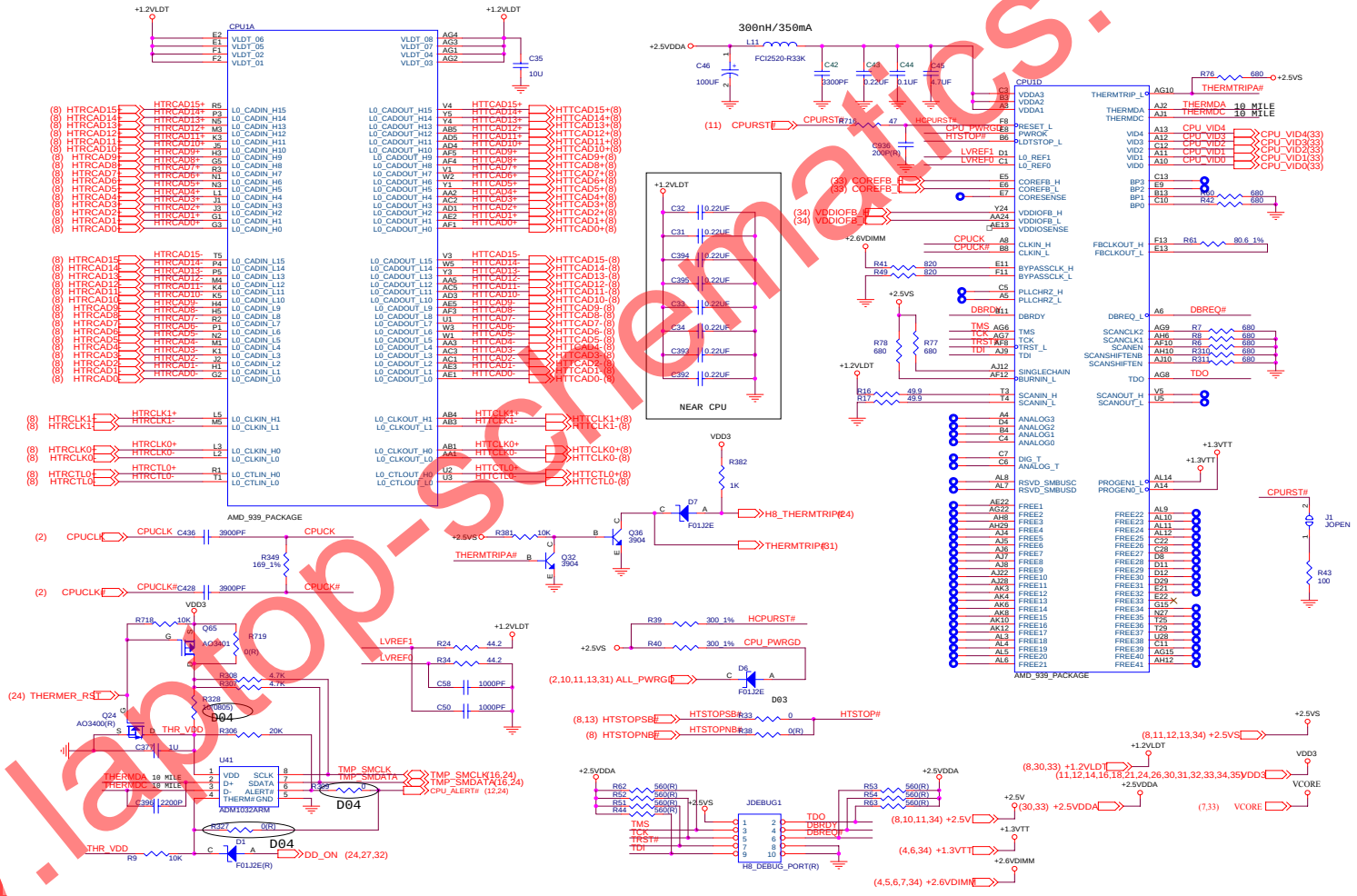
FS_[4:0]	CPU	PCIEX	AGP	PCI
00000	100.90	100.90	67.27	33.63
00001	133.90	100.43	66.95	33.48
00010	168.00	100.80	67.20	33.60
00011	202.00	101.00	67.33	33.67
00100	100.20	100.20	66.80	33.40
00101	133.50	100.13	66.75	33.38
00110	166.70	100.02	66.68	33.34
00111	200.40	100.20	66.80	33.40
01000	160.00	100.00	66.67	33.33
01001	202.00	101.00	67.33	33.67
01010	210.00	105.00	70.00	35.00
01011	212.00	106.00	70.67	35.33
01100	270.00	101.25	67.50	33.75
01101	225.00	112.50	75.00	37.50
01110	266.67	100.00	66.67	33.33
01111	300.00	112.50	75.00	37.50

FS_[4:0]	CPU	PCIEX	AGP	PCI
10000	100.00	100.00	66.67	33.33
10001	133.00	100.00	66.67	33.33
10010	166.66	104.16	69.44	34.72
10011	**200.00**	**100.00**	**66.67**	**33.33**
10100	103.00	103.00	68.67	34.33
10101	137.33	103.00	68.66	34.33
10110	171.66	103.00	68.66	34.33
10111	206.00	103.00	68.67	34.33
11000	208.00	104.00	69.33	34.67
11001	210.00	105.00	70.00	35.00
11010	215.00	107.50	71.67	35.83
11011	220.00	110.00	73.33	36.67
11100	226.00	113.00	75.33	37.67
11101	230.00	115.00	76.67	38.33
11110	240.00	120.00	80.00	40.00
11111	250.00	125.00	83.33	41.67

Sheet 2 of 40
CLOCK GENERATOR

CPU-1 CONTROL/ HYPERTRANSPORT

Sheet 3 of 40
CPU-1 CONTROL/
HYPERTRANSPORT

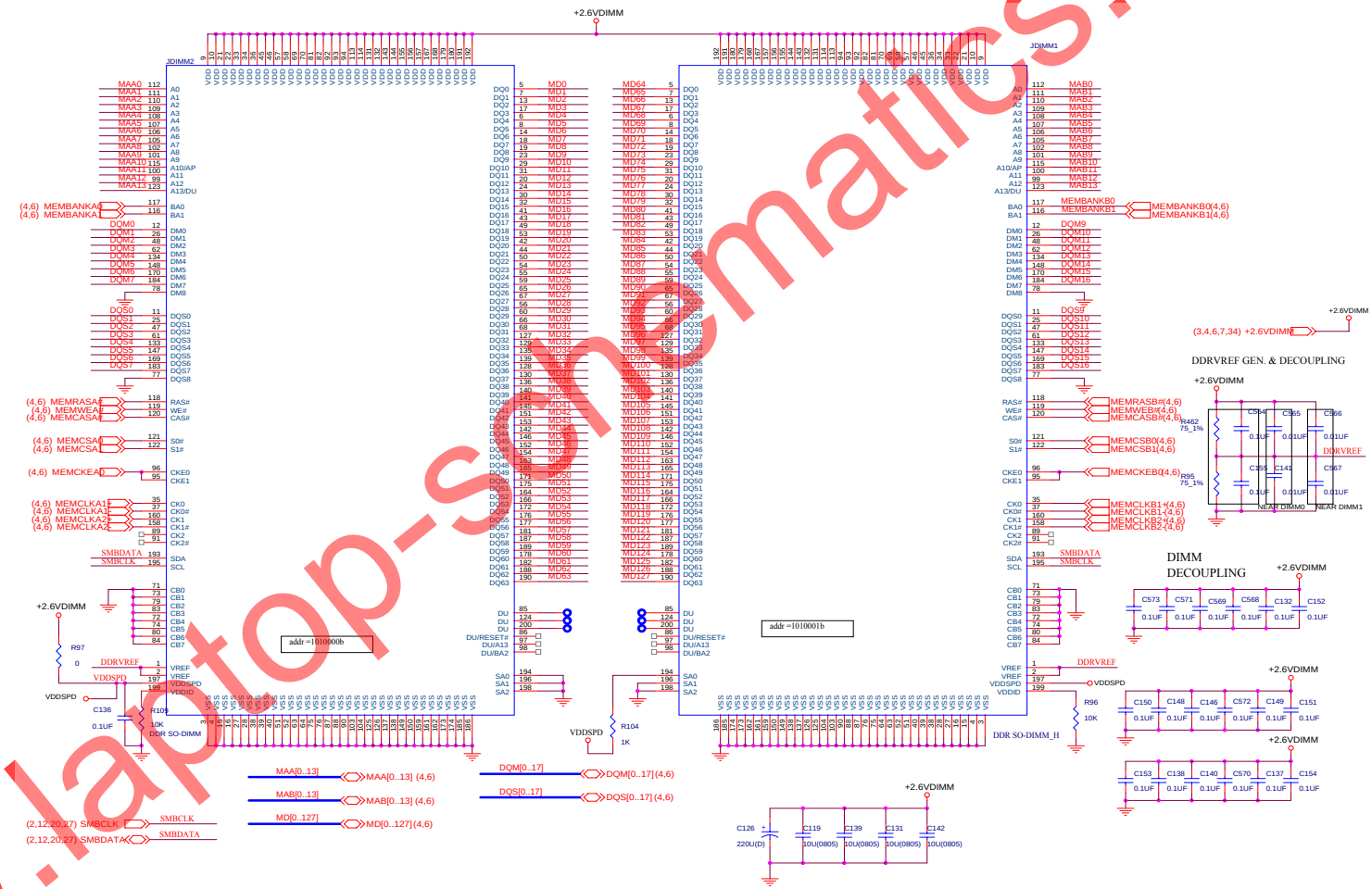


CPU-2 MEMORY INTERFACE

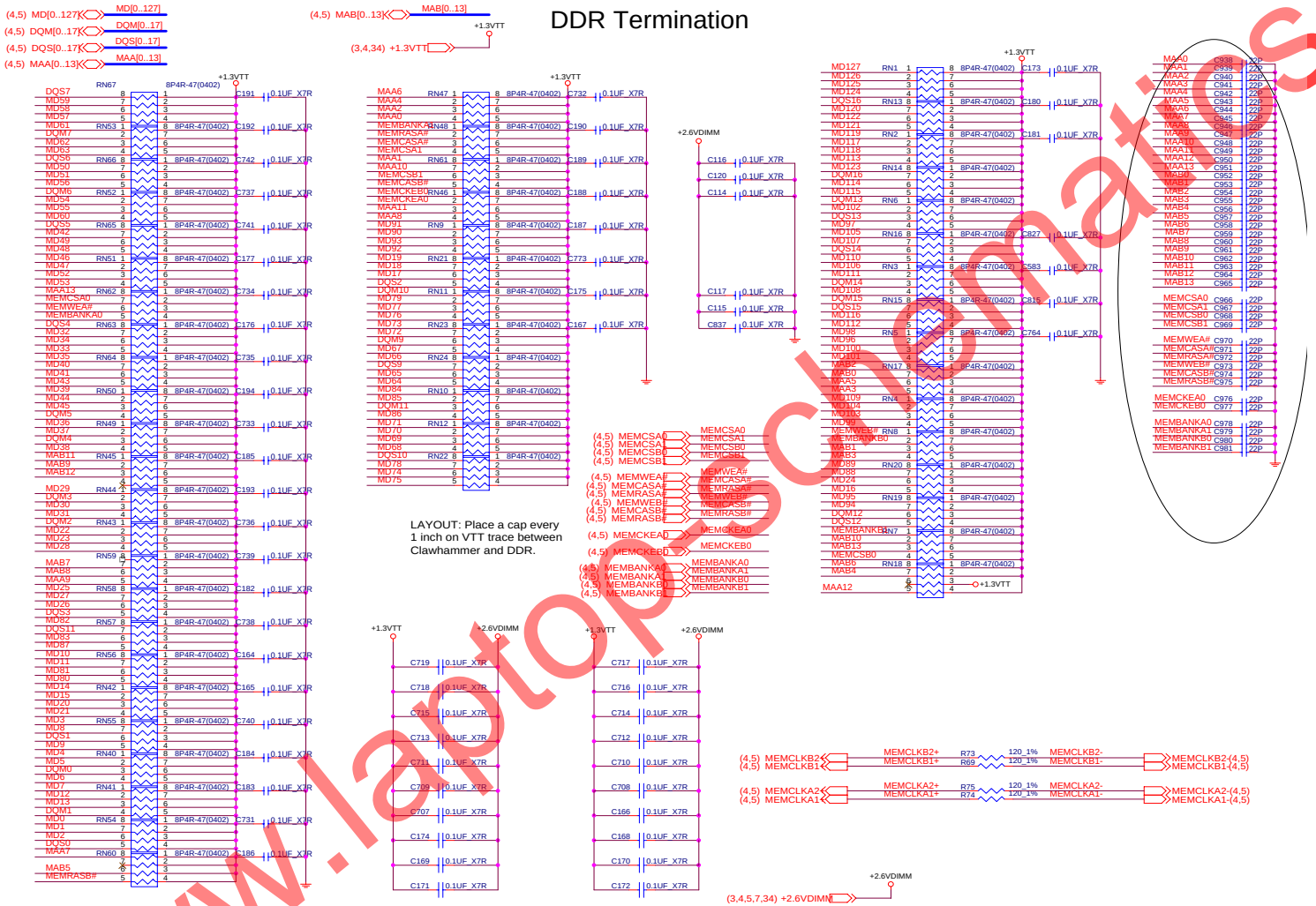
Sheet 4 of 40
CPU-2 MEMORY INTERFACE

DDR MEMORY DIMM

Sheet 5 of 40
DDR MEMORY DIMM



DDR TERMINATION



Sheet 6 of 40
DDR TERMINATION

CPU-3 POWER/ GND

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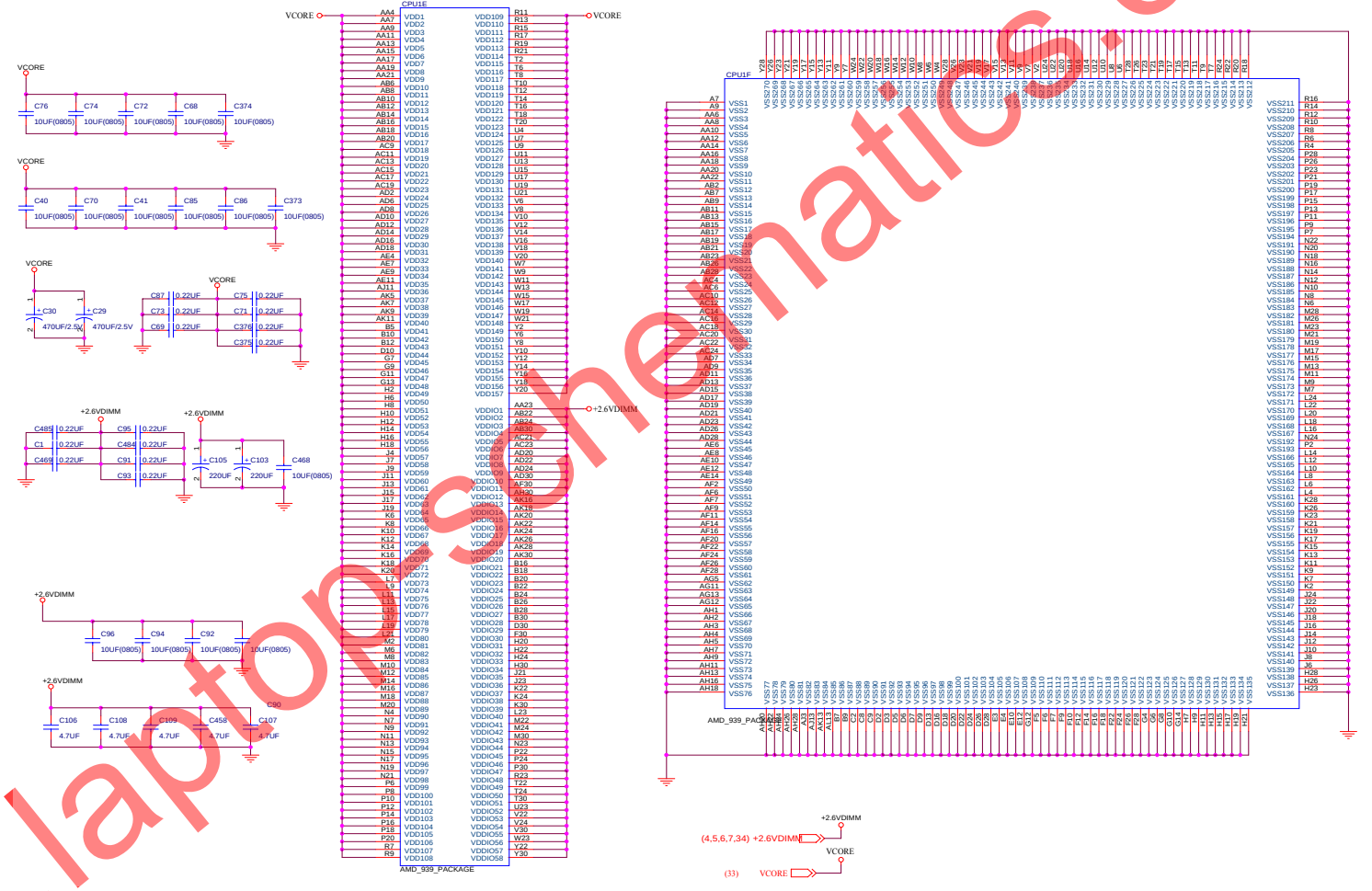
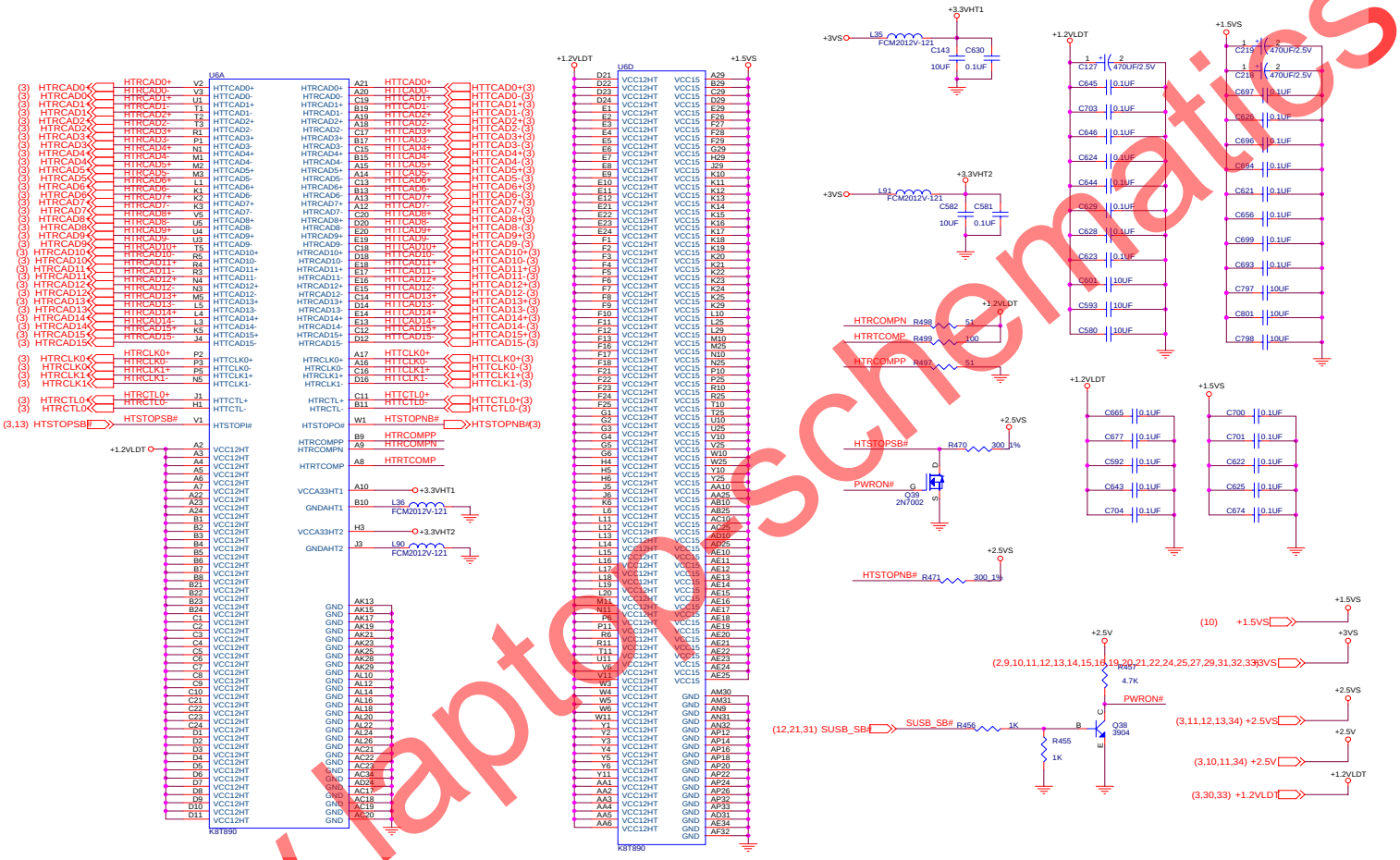
CPU-3 POWER/ GND



NB K8T890-1 HT INTERFACE



Sheet 8 of 40
NB K8T890-1 HT INTERFACE

NB K8T890-2 PCI-E INTERFACE

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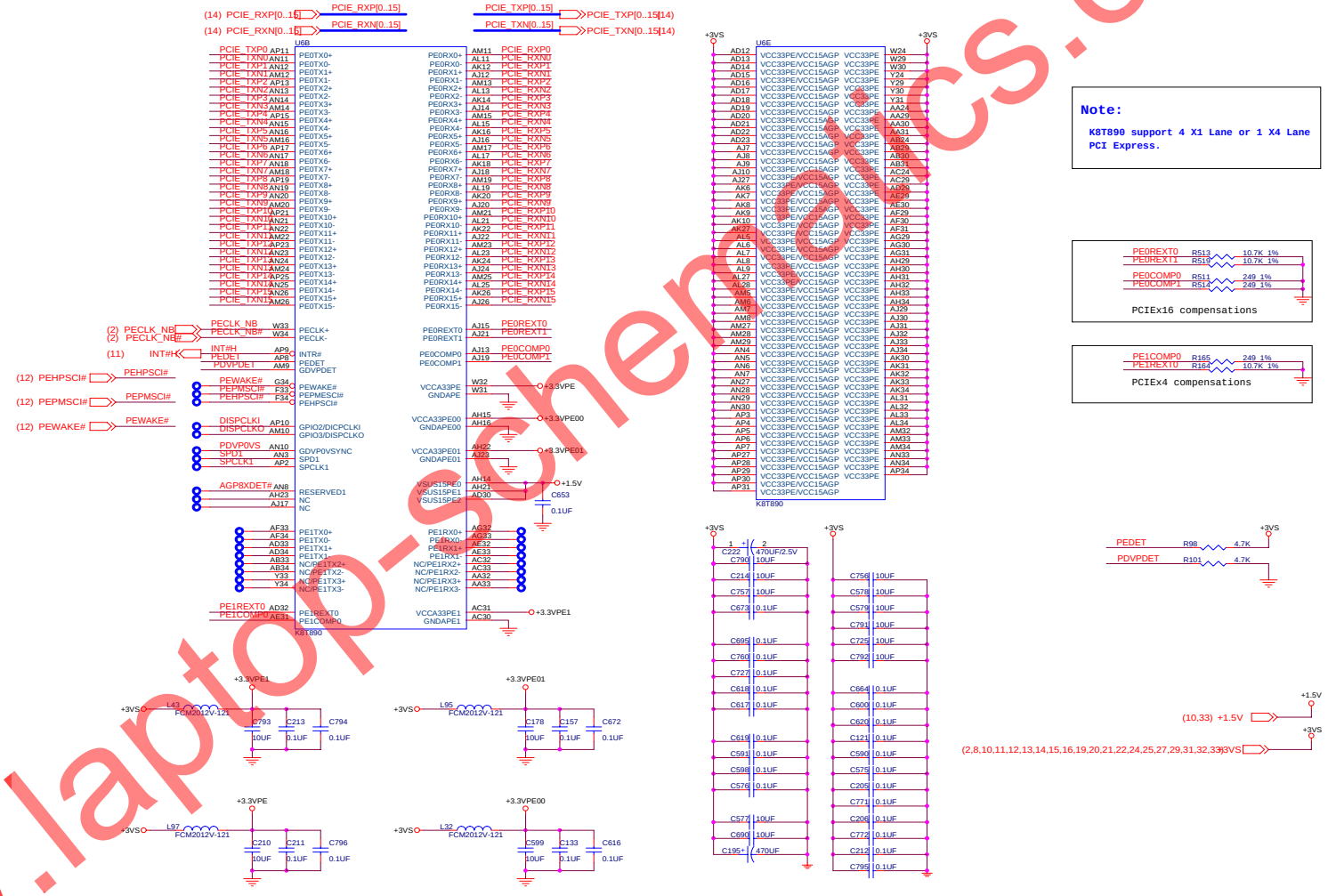
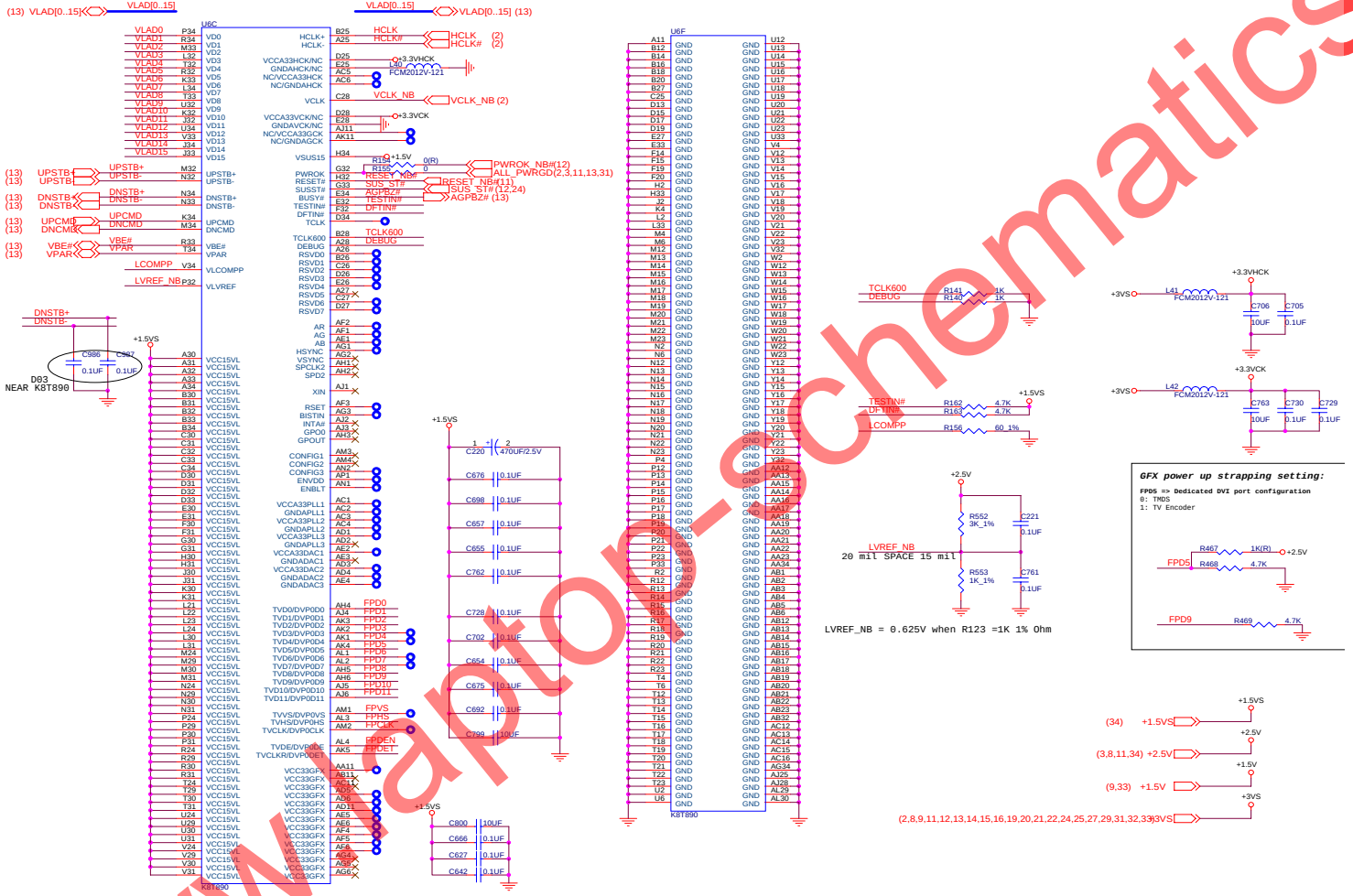
NB K8T890-2 PCI-E INTERFACE



NB K8T890-3 VLINK & VGA



Sheet 10 of 40
NB K8T890-3
VLINK & VGA

SB VT8237A-1PCI/ USB

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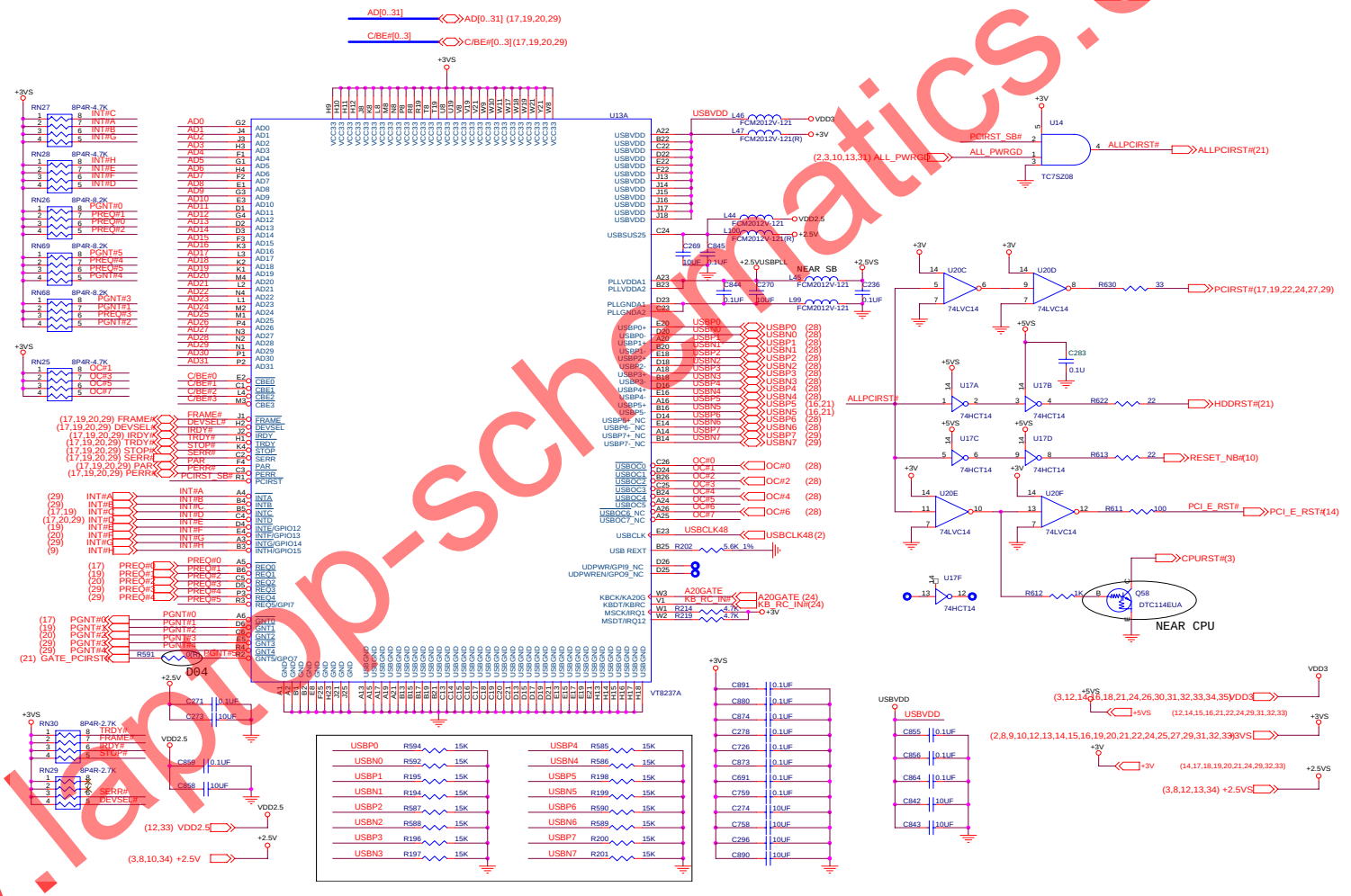
SB VT8237A-1PCI/ USB

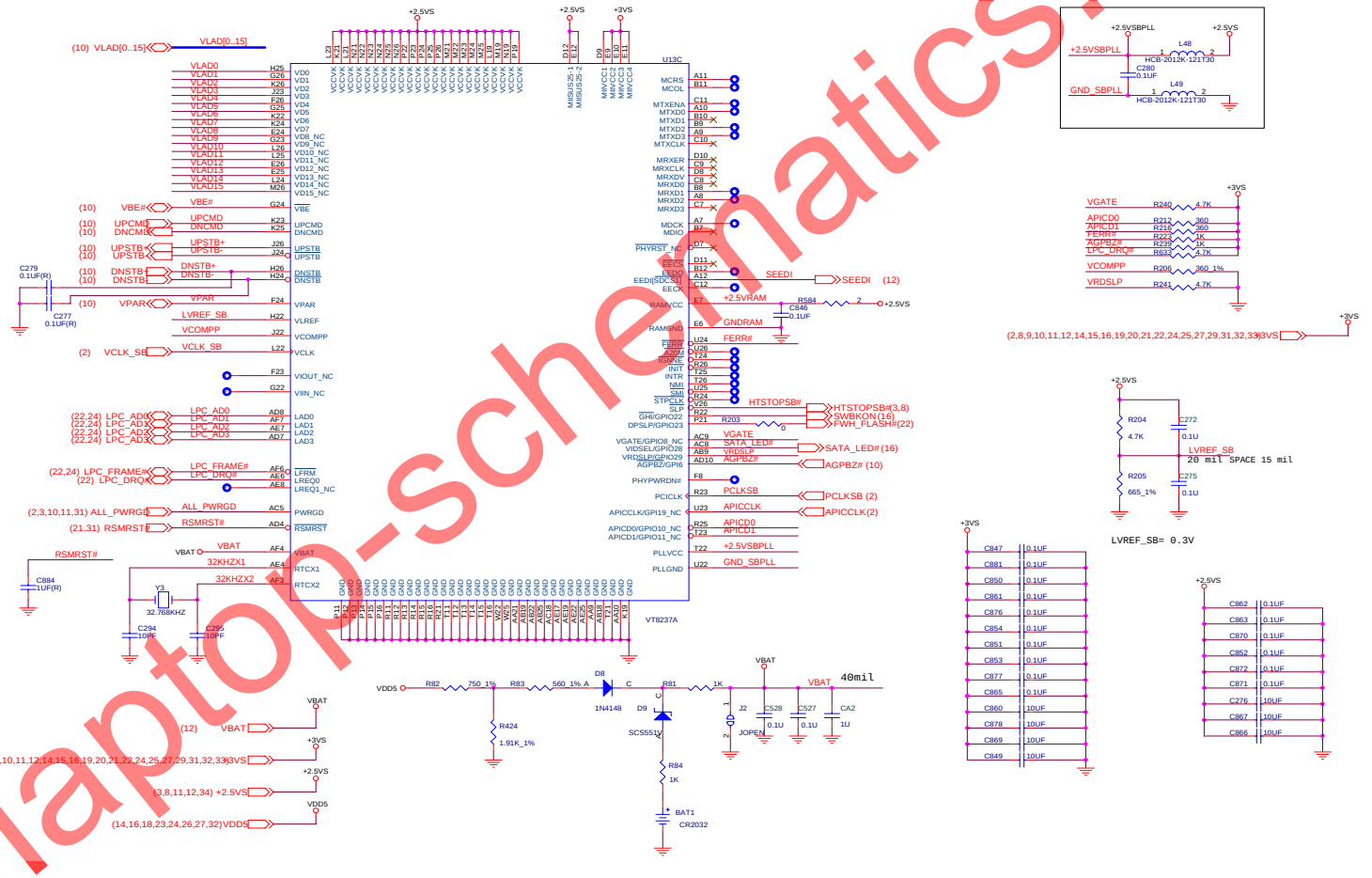


SB VT8237A-2 IDE, ISA & SATA

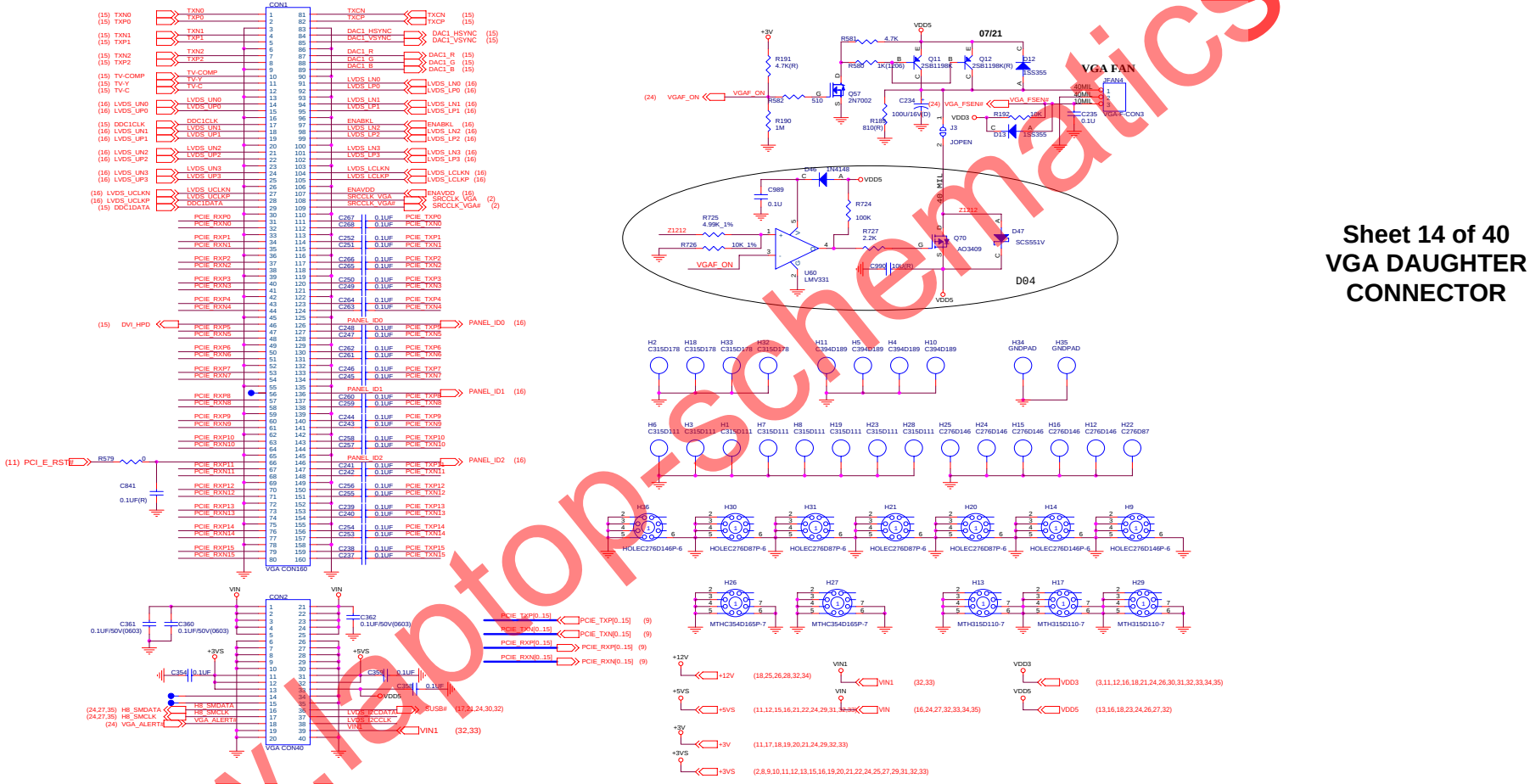
Sheet 12 of 40
SB VT8237A-2 IDE, ISA & SATA

SB VT8237A-3 LPC, LAN, VLINK

Sheet 13 of 40
SB VT8237A-3 LPC, LAN, VLINK



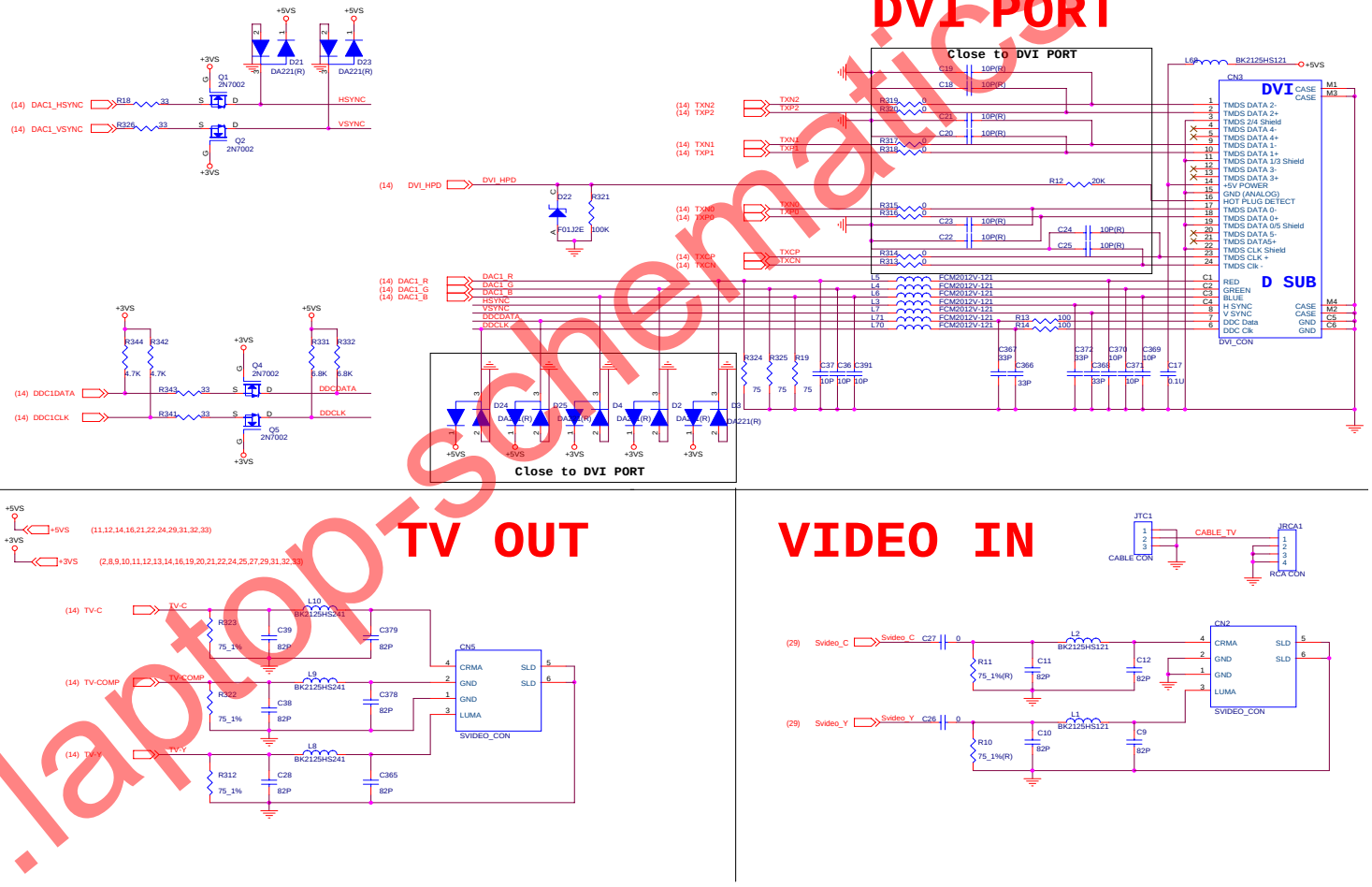
VGA DAUGTHER CONNECTOR



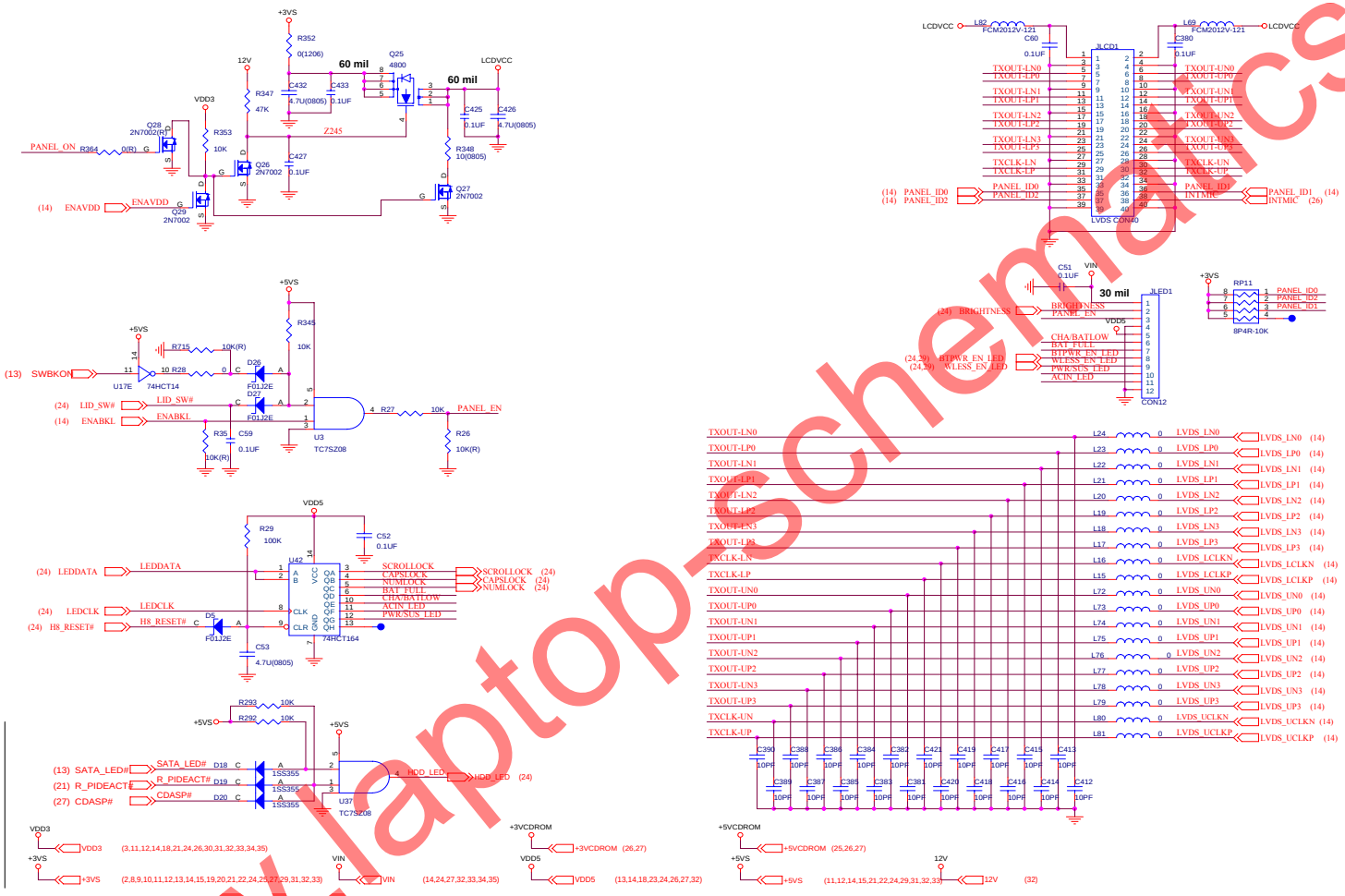
Sheet 14 of 40
VGA DAUGHTER CONNECTOR

DVI/ TV OUT/ VIDEO IN CON

Sheet 15 of 40
DVI/ TV OUT/
VIDEO IN CON



PANEL CON/ LED INDICATOR



Sheet 16 of 40
PANEL CON/ LED INDICATOR

PCMCIA T11410

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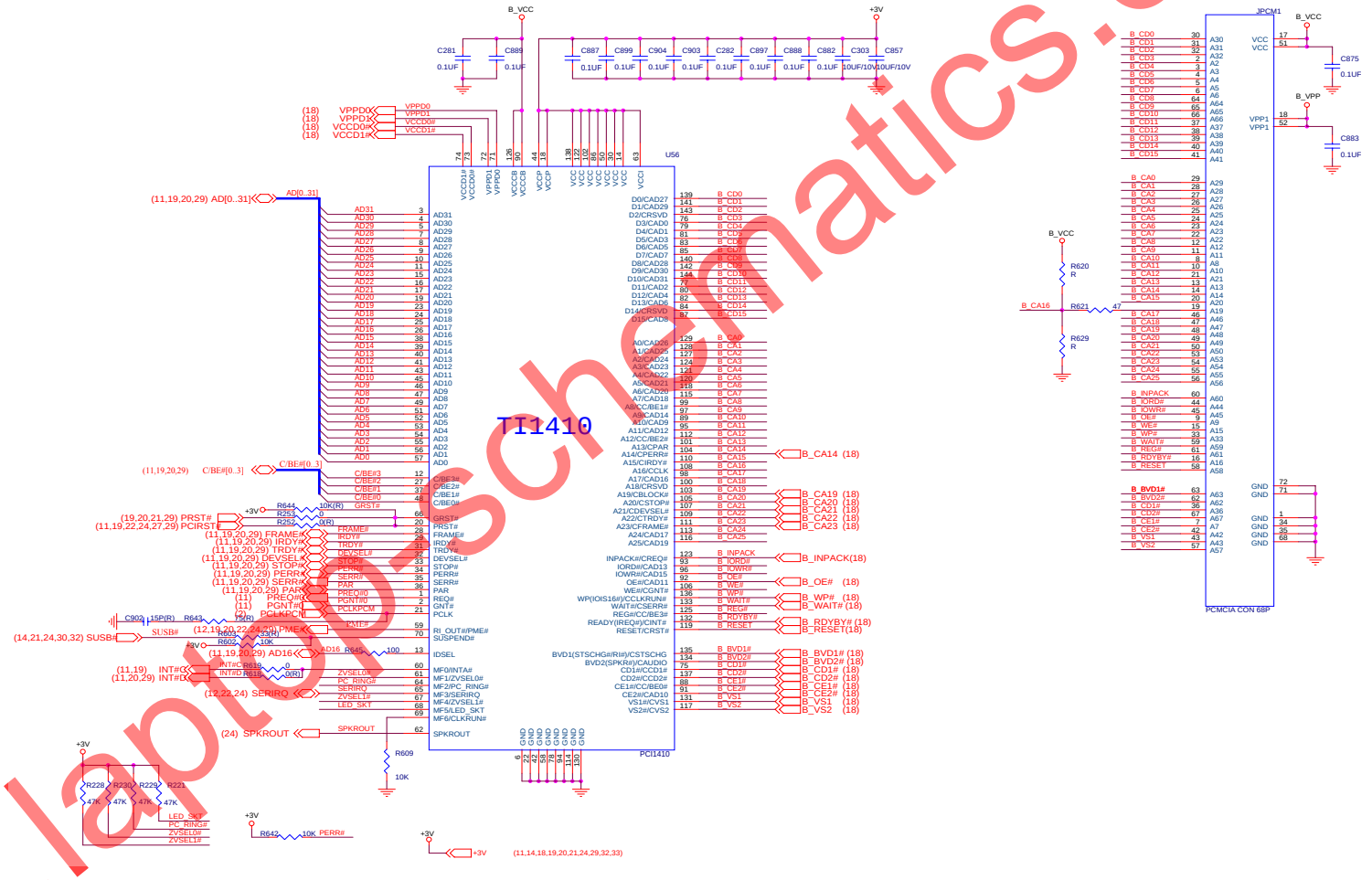
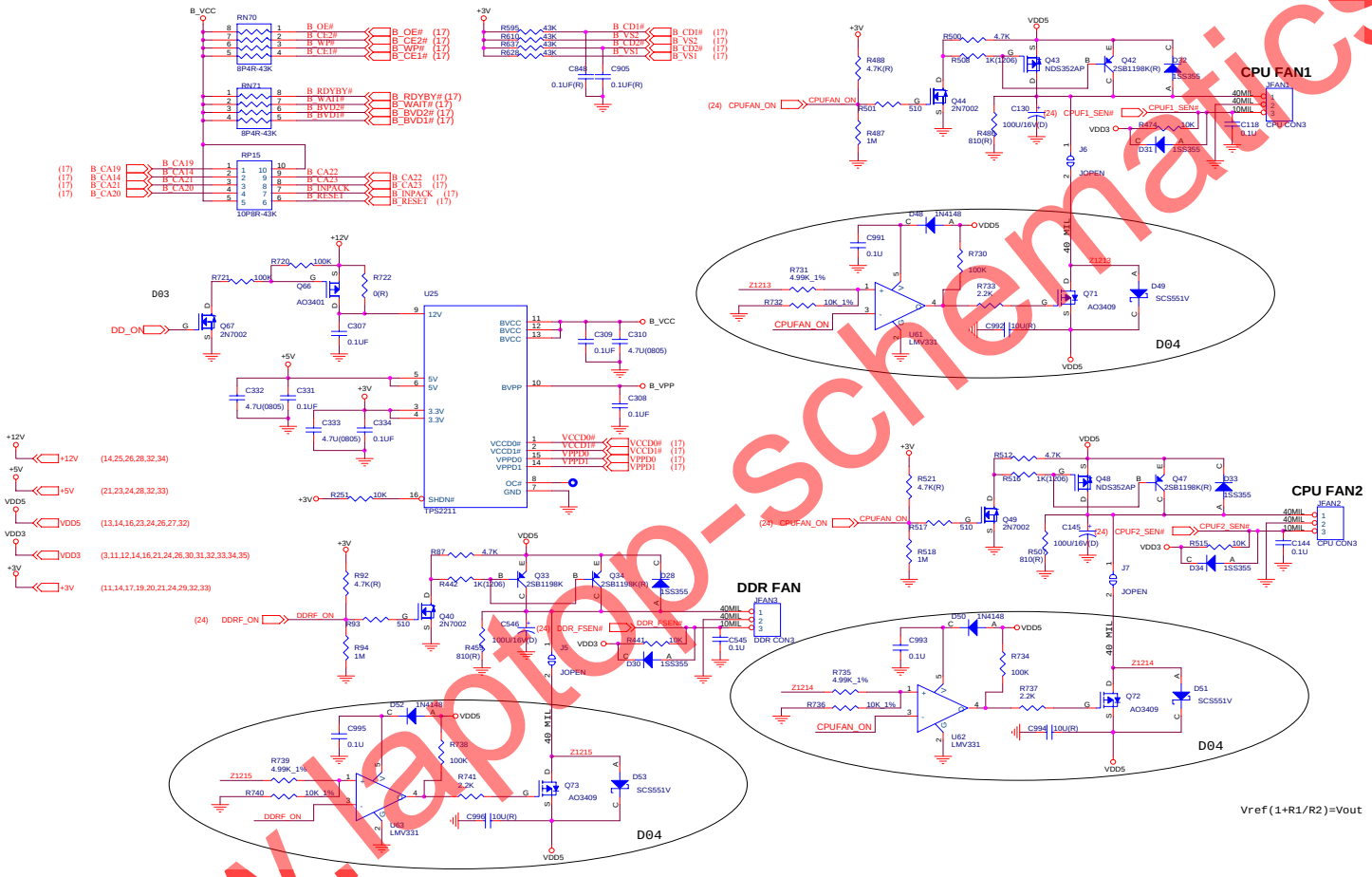
PCMCIA T11410



PCMCIA POWER/ FAN CON



Sheet 18 of 40
PCMCIA POWER/
FAN CON

PCI 1394a TI TSB43AB22

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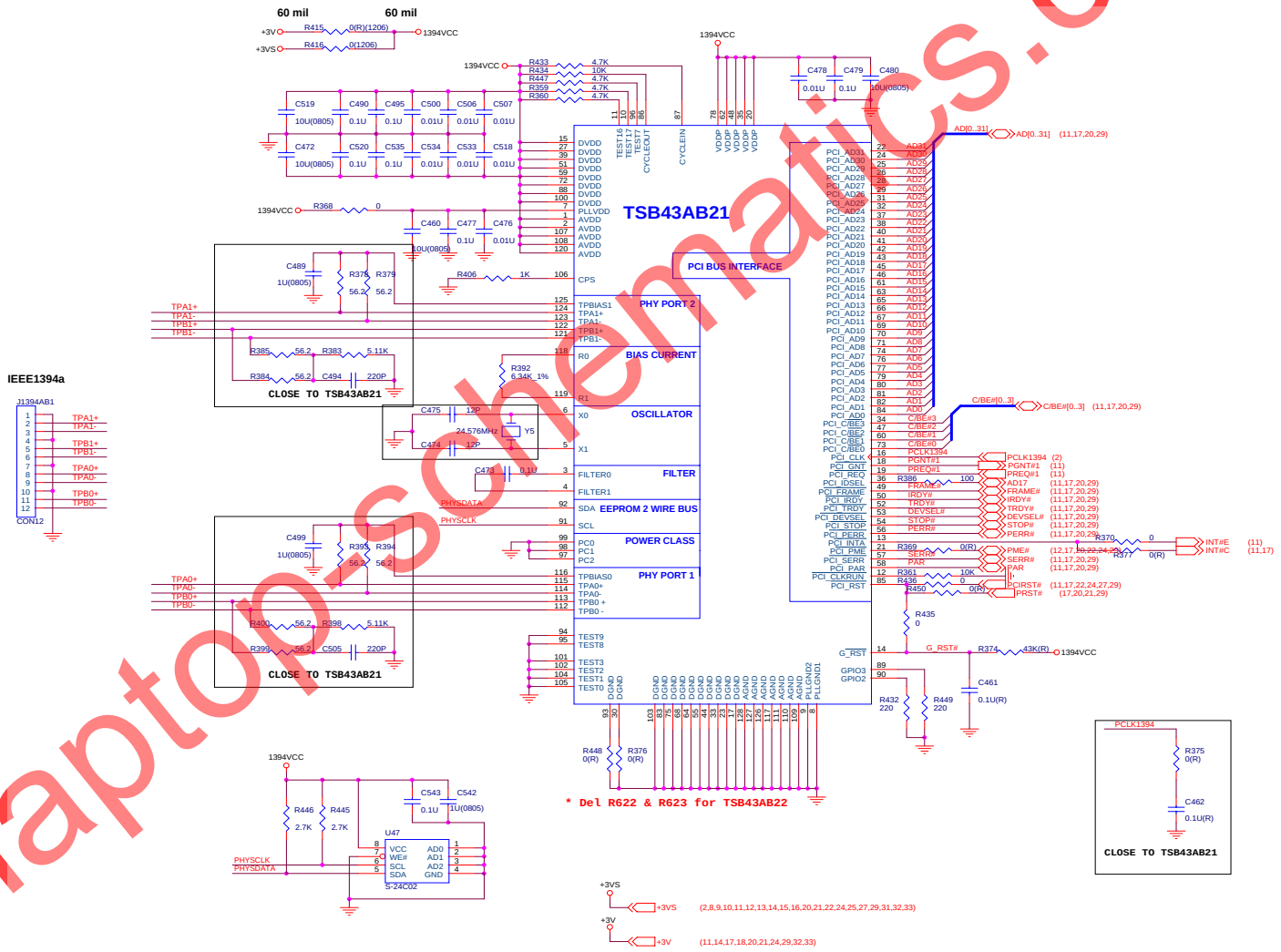
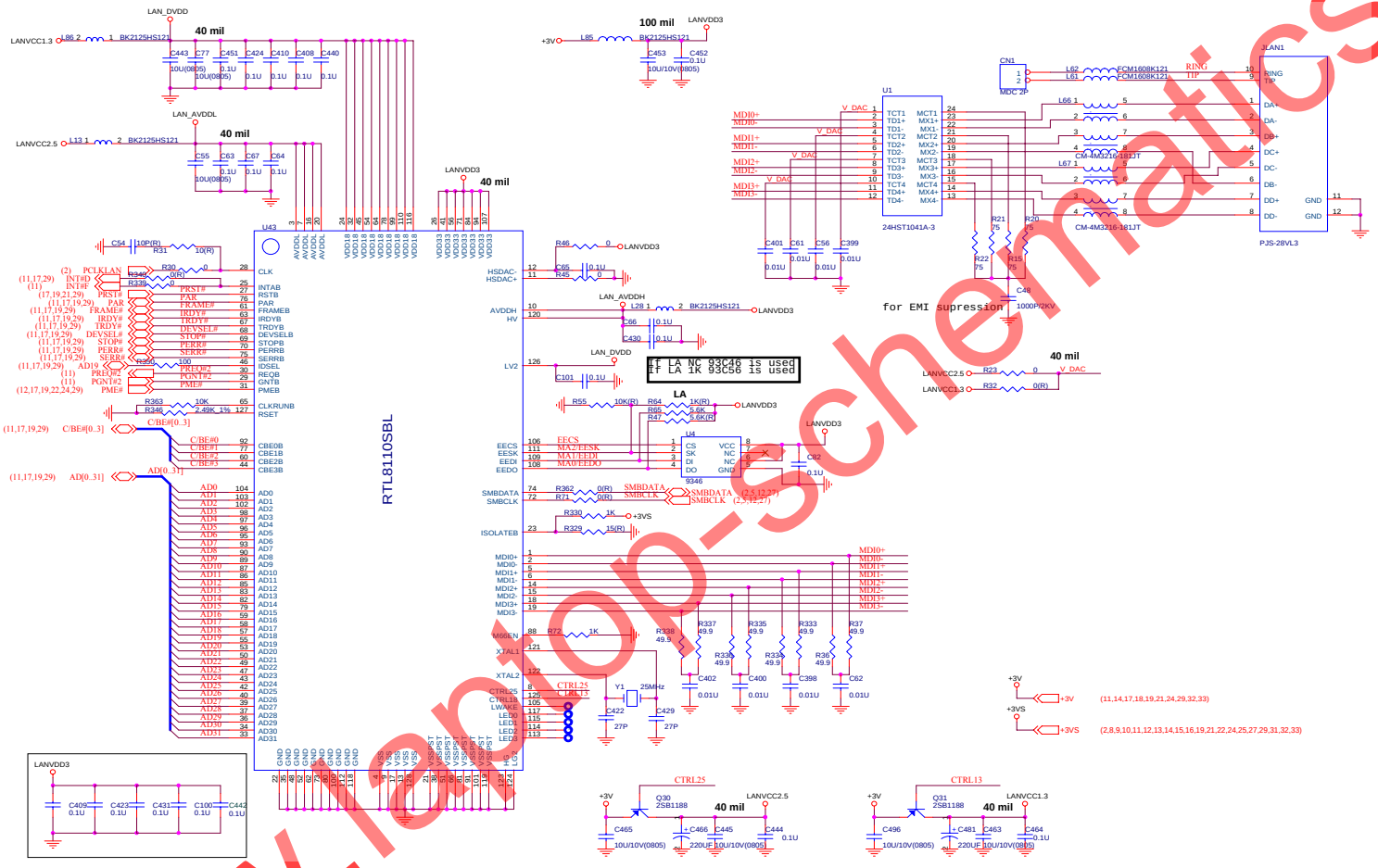
PCI 1394a TI
TSB43AB22



GLAN RTL8110SBL



Sheet 20 of 40
GLAN RTL8110SBL

HDD CON

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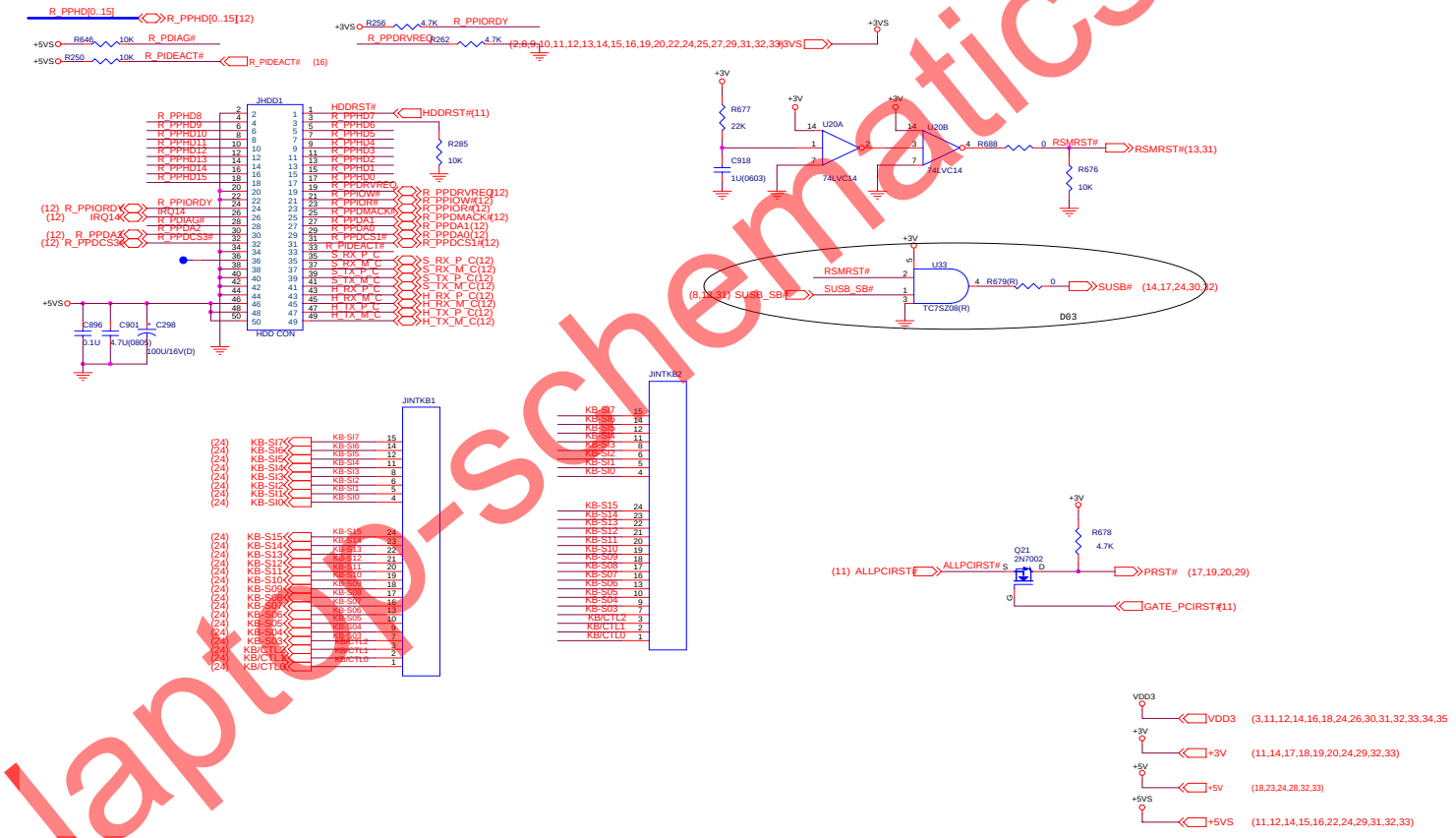
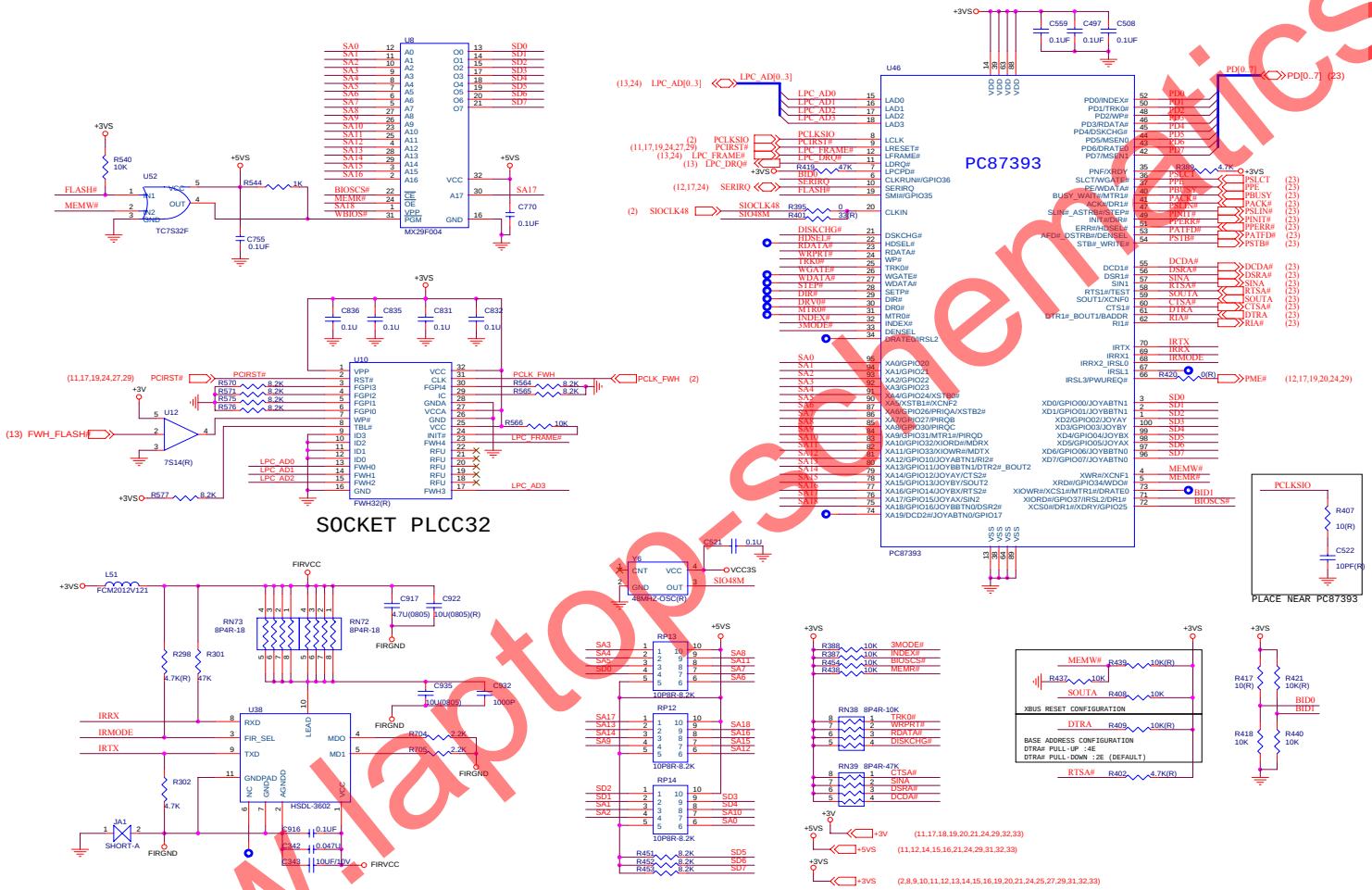
HDD CON



LPC SUPER I/ O NS87393



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LPC SUPER I/ O
NS87393

LPT/ COM PORT CON/ Thermistor

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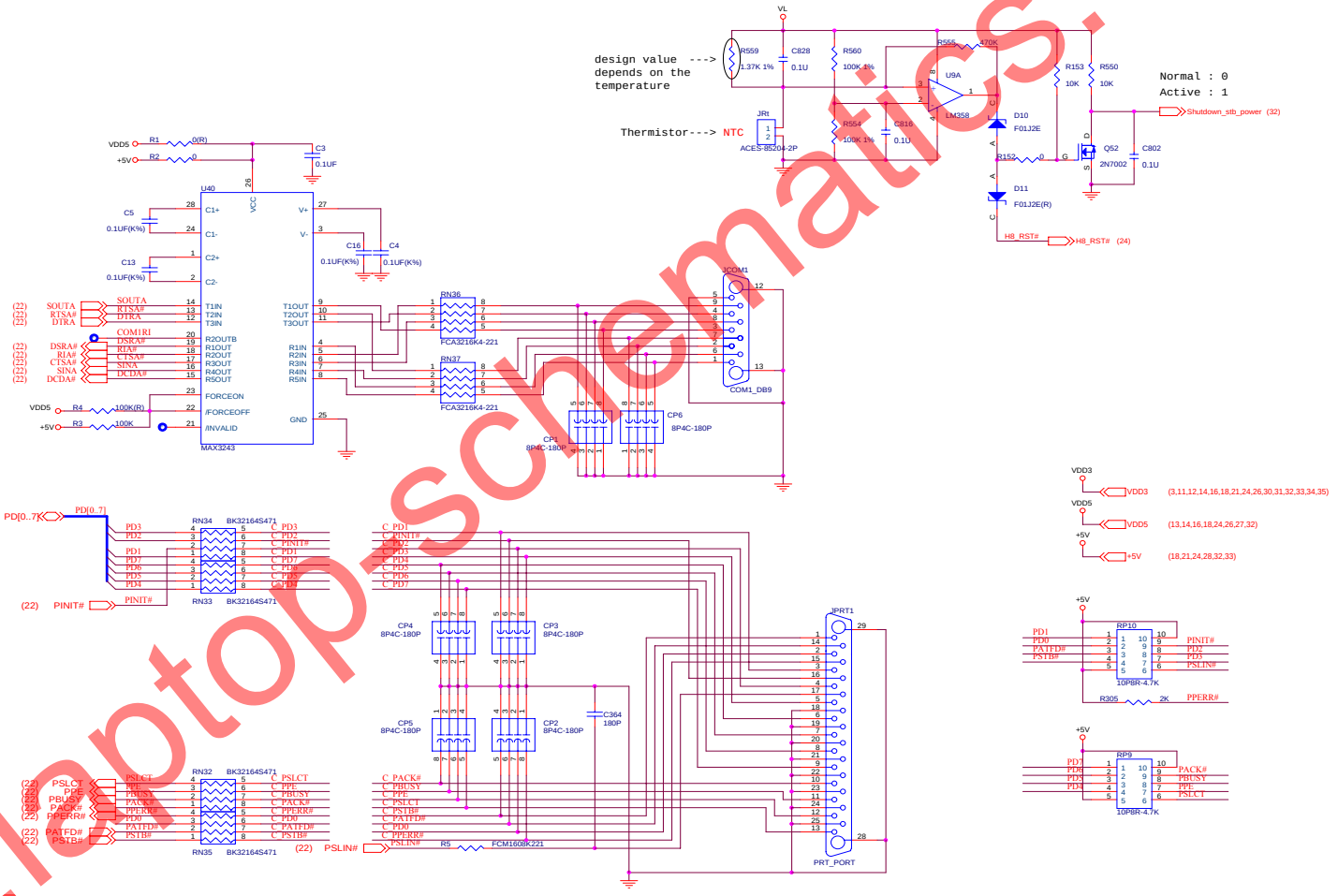
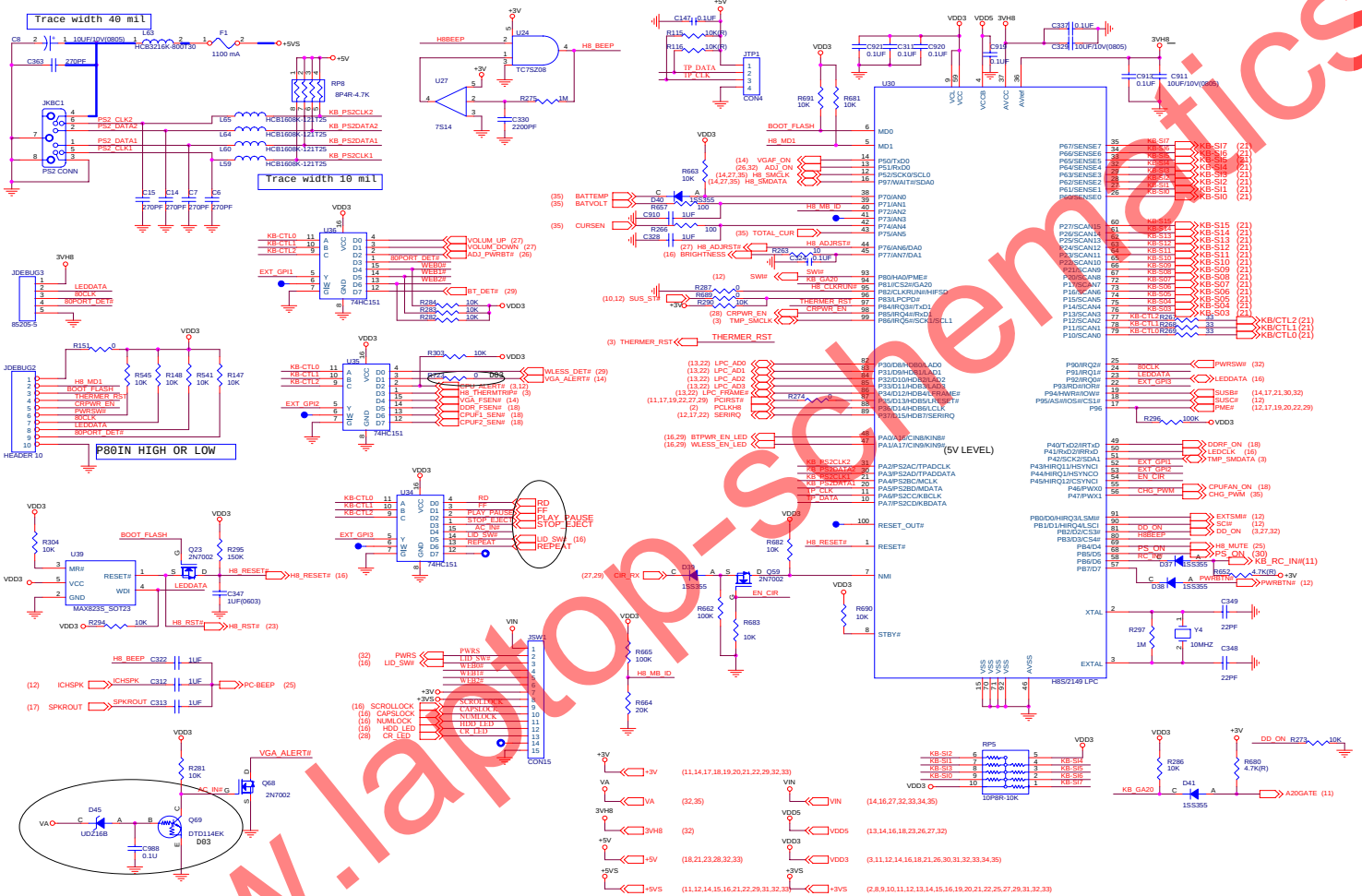
LPT/ COM PORT CON/ Thermistor



LPC H8



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LPC H8

CODEC ALC850

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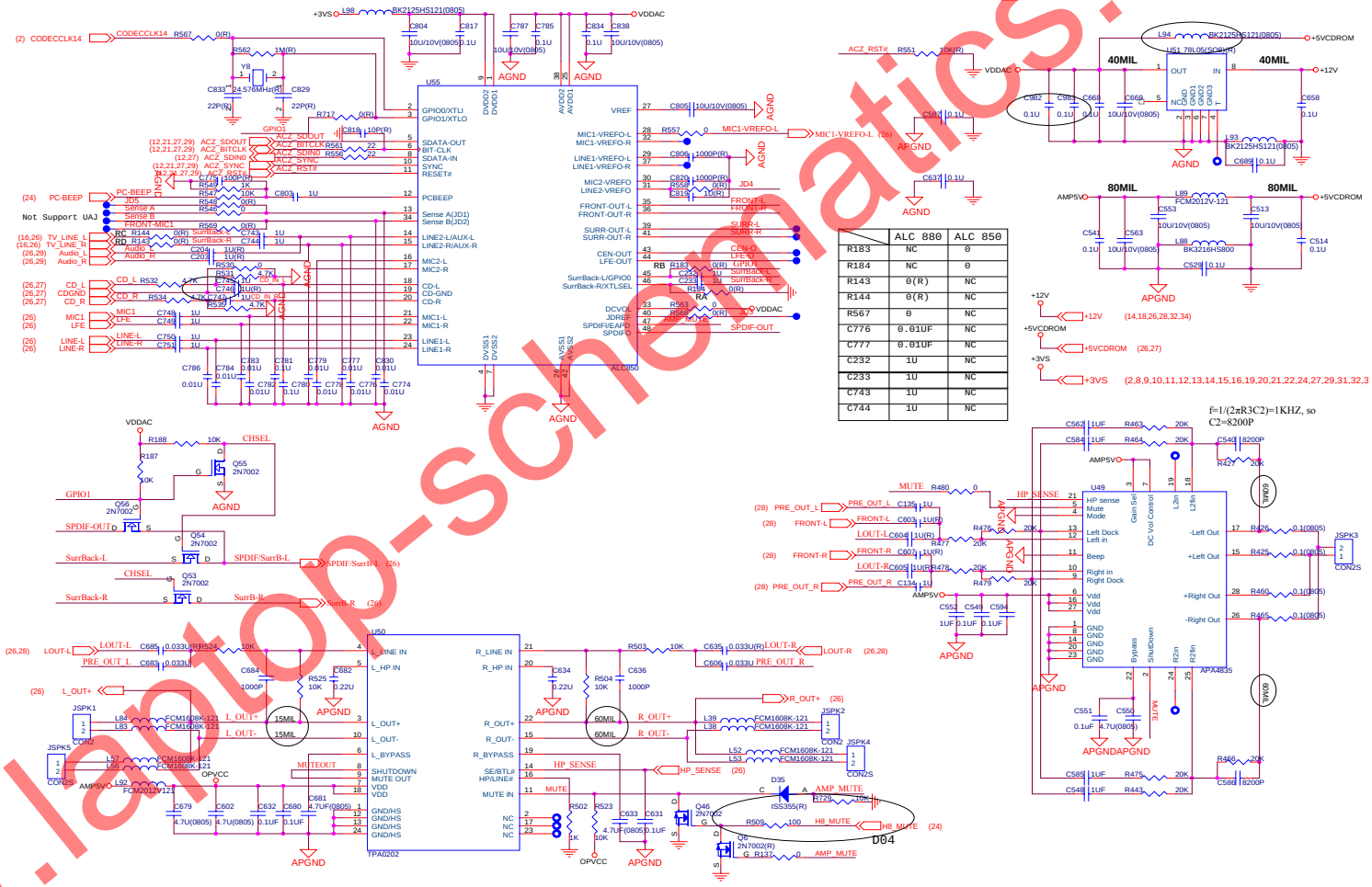
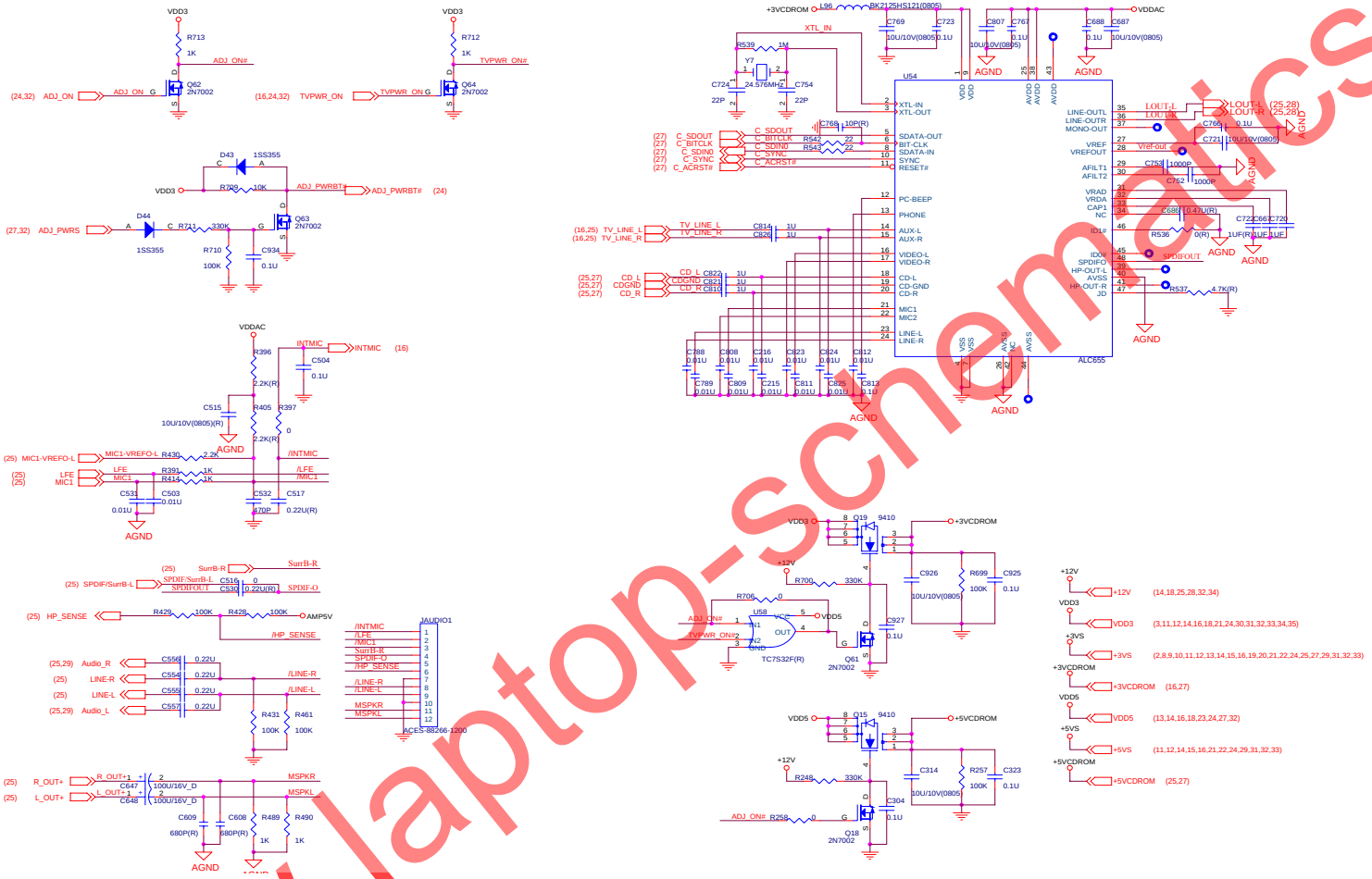
CODEC ALC850



AUDIO JACK & ADJ POWER



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AUDIO JACK &
ADJ POWER

AUDIO DJ BBVL + CONTROL

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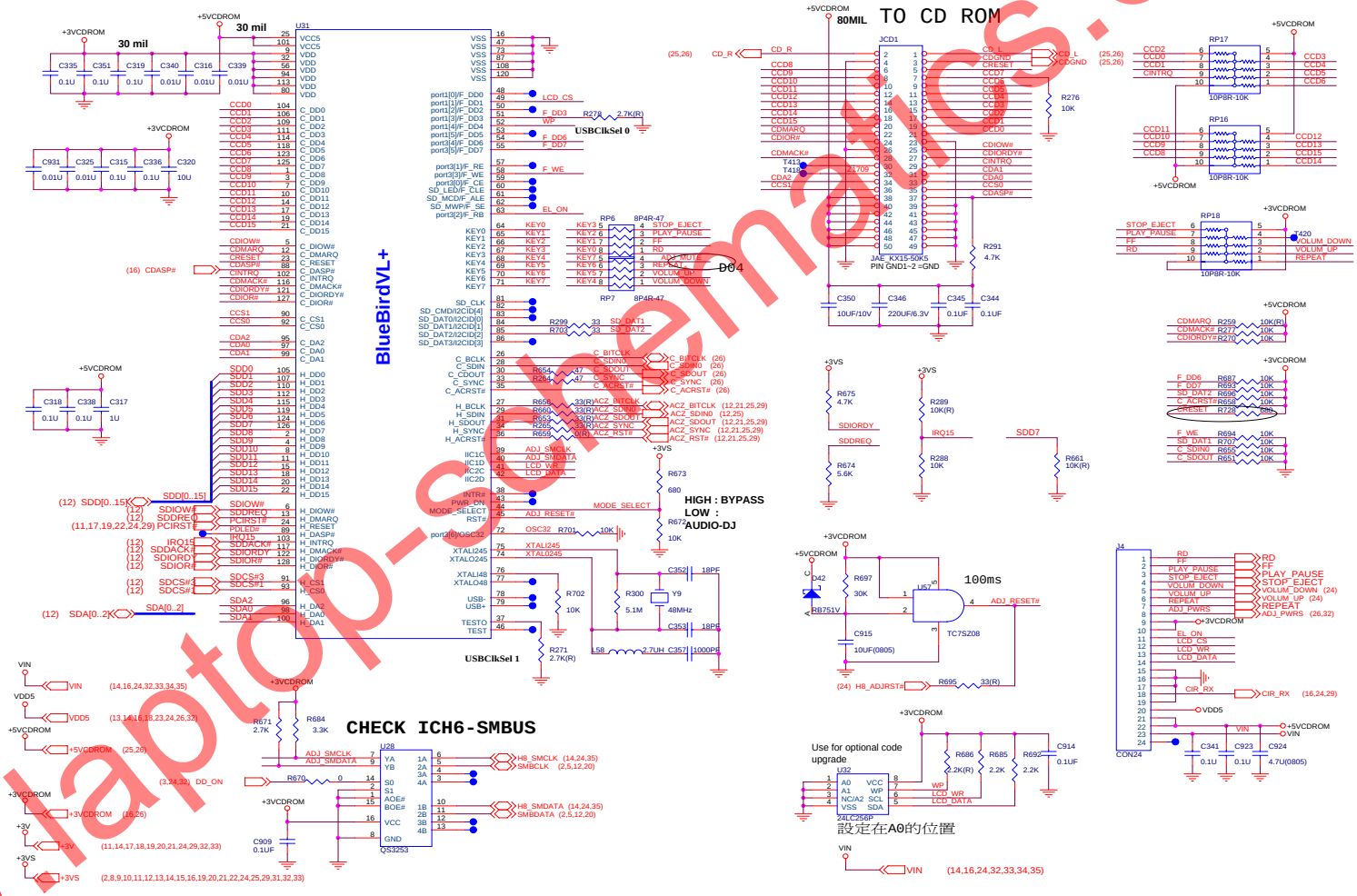
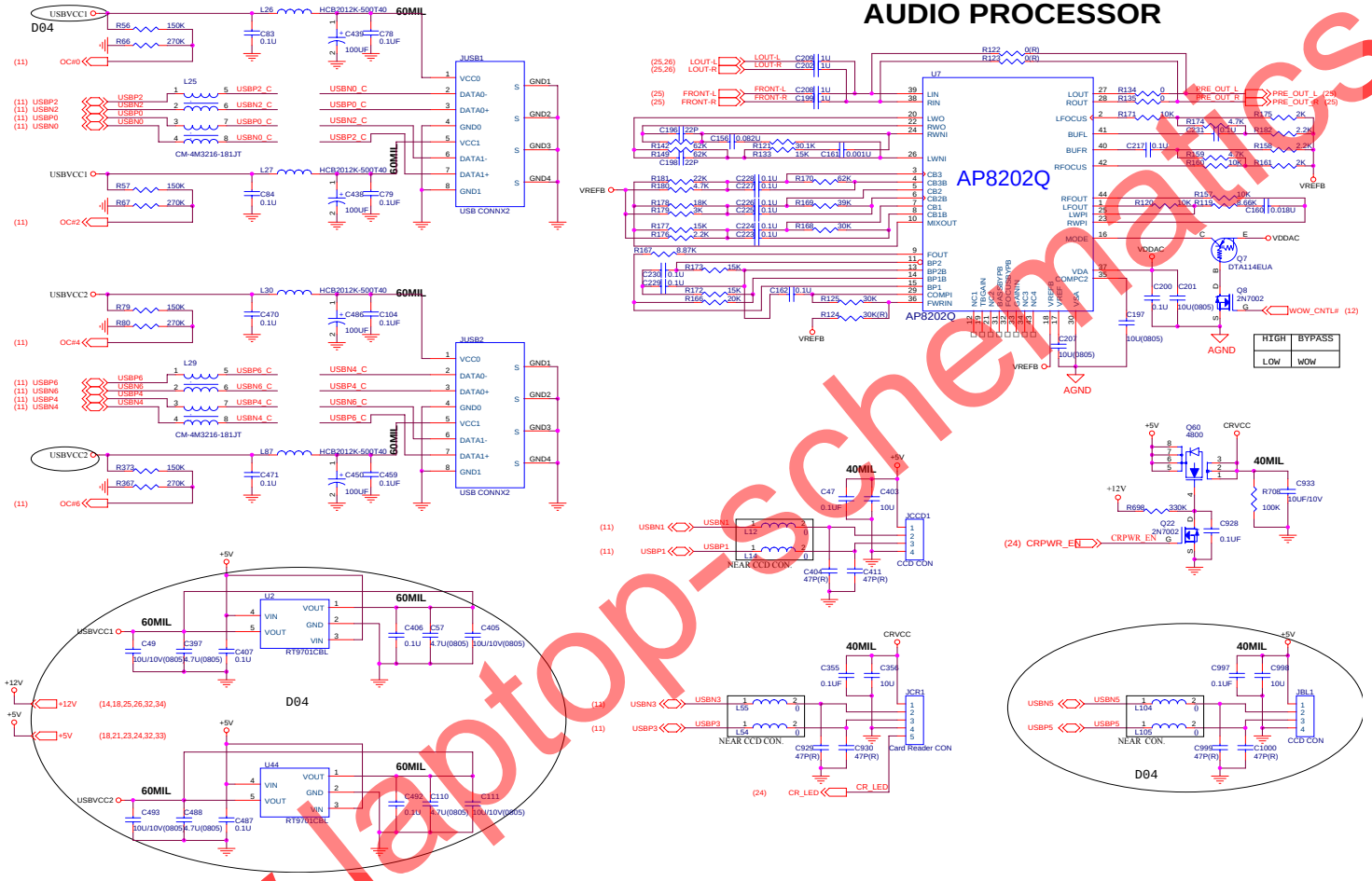
AUDIO DJ BBVL + CONTROL



USB/ CR/ CCD CON/ SRS



Sheet 28 of 40
USB/ CR/ CCD CON/ SRS

MINI PCI/ NC/ MDC/ BT CON

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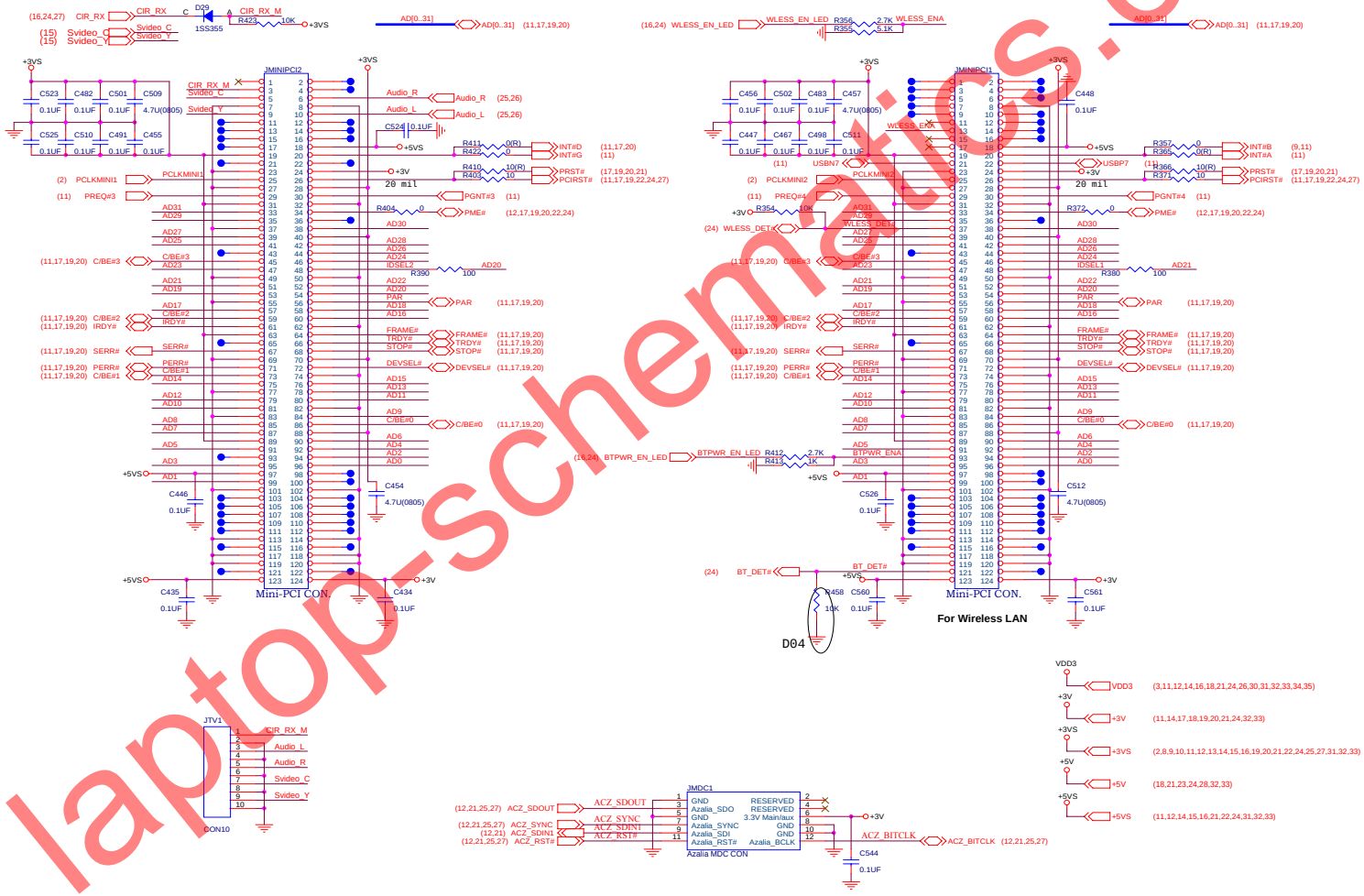
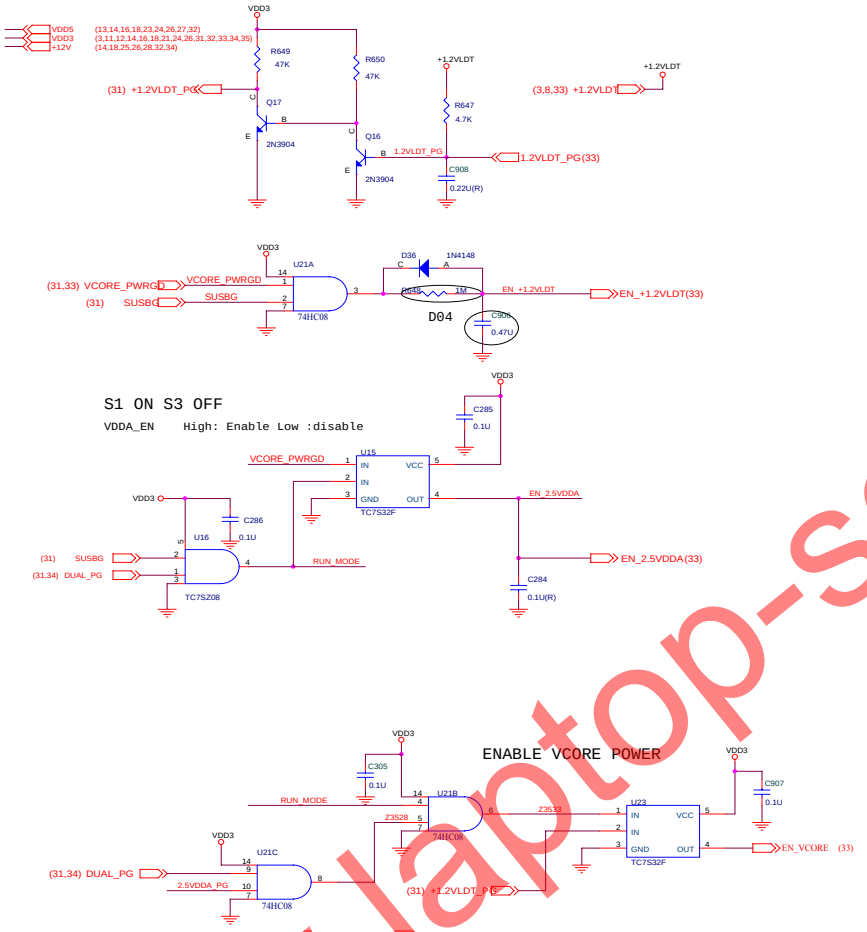
MINI PCI/ NC/ MDC/
BT CON



POWER CONTROLLER 1



Sheet 30 of 40
POWER
CONTROLLER 1

POWER CONTROLLER 2

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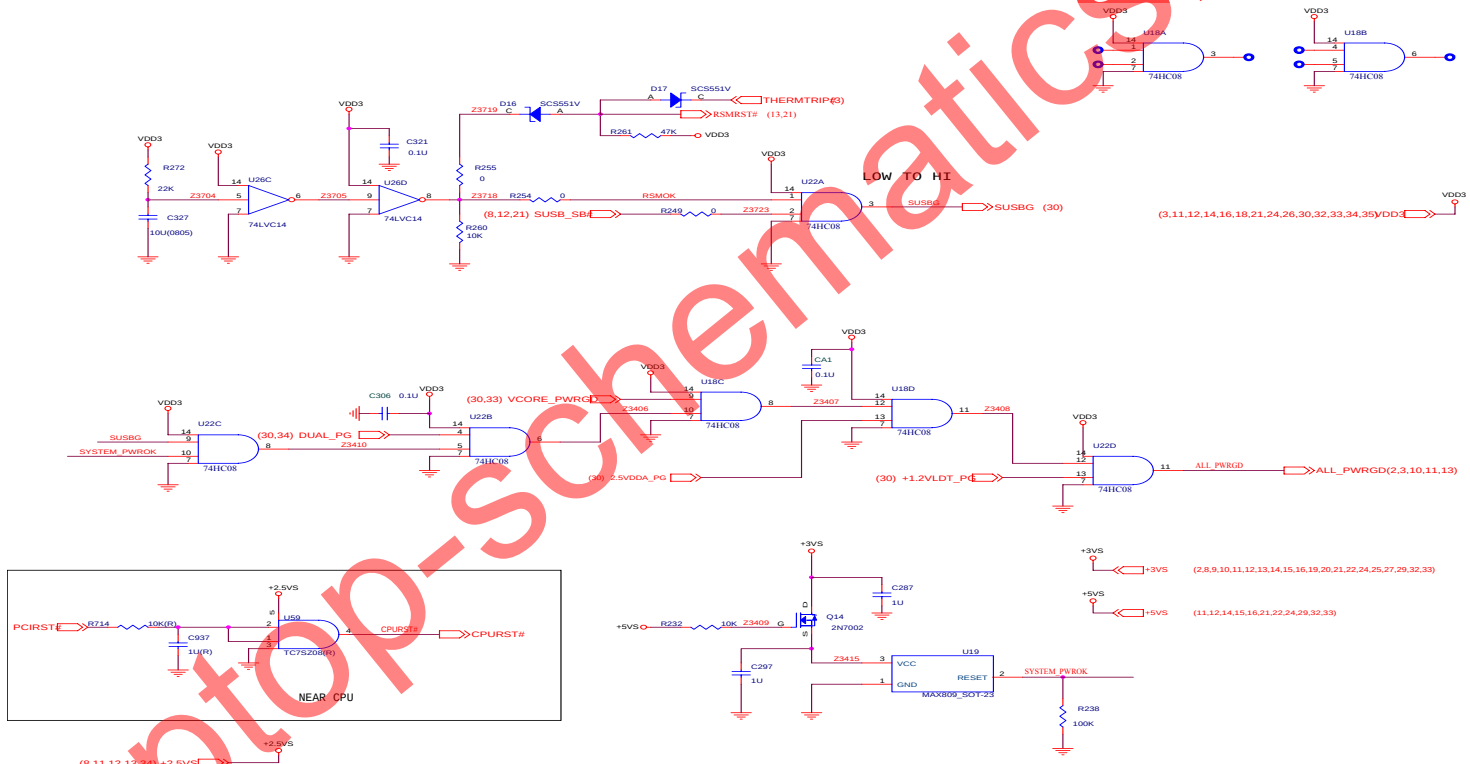
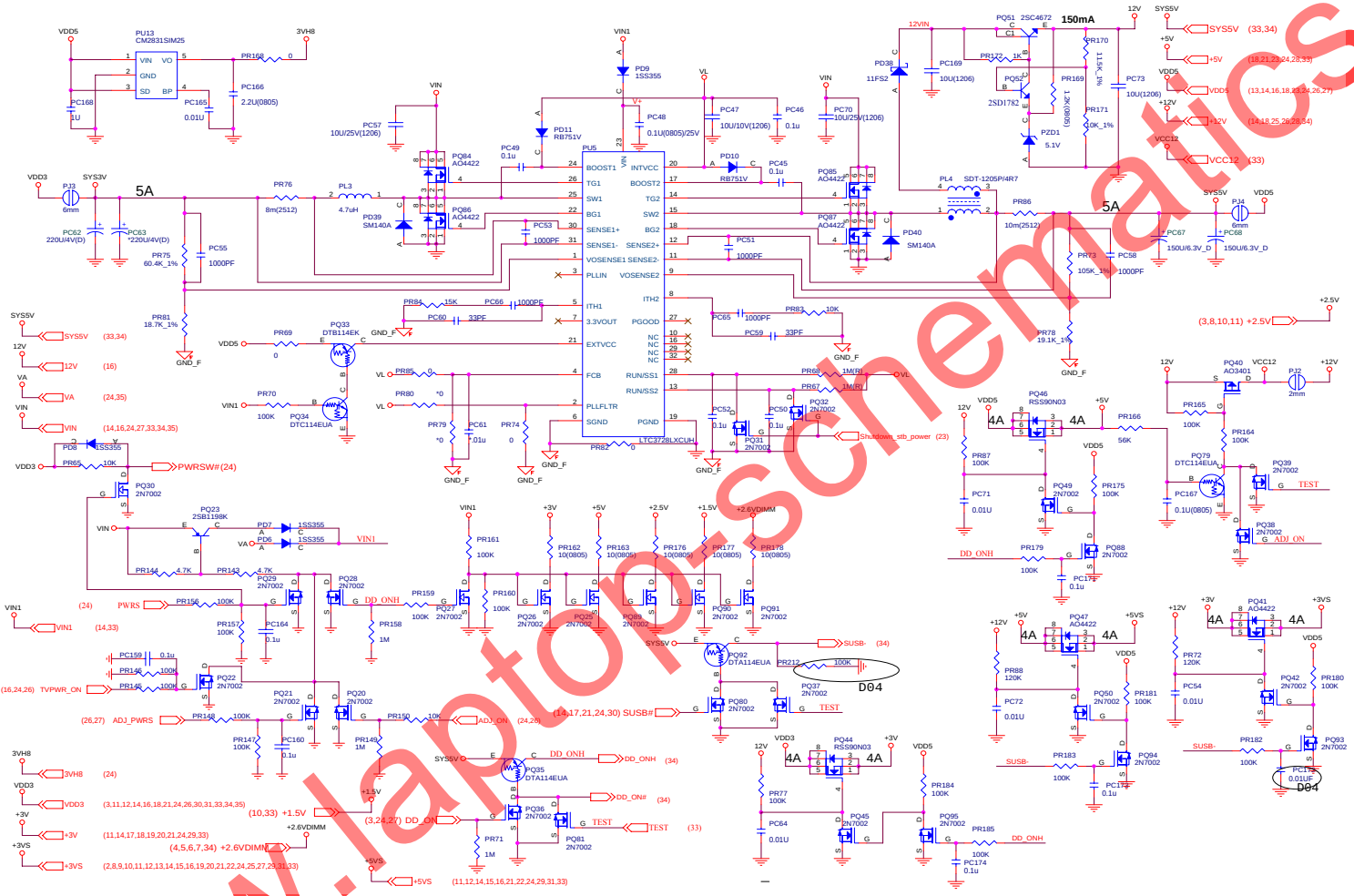
POWER
CONTROLLER 2



SYSTEM POWER



VCORE

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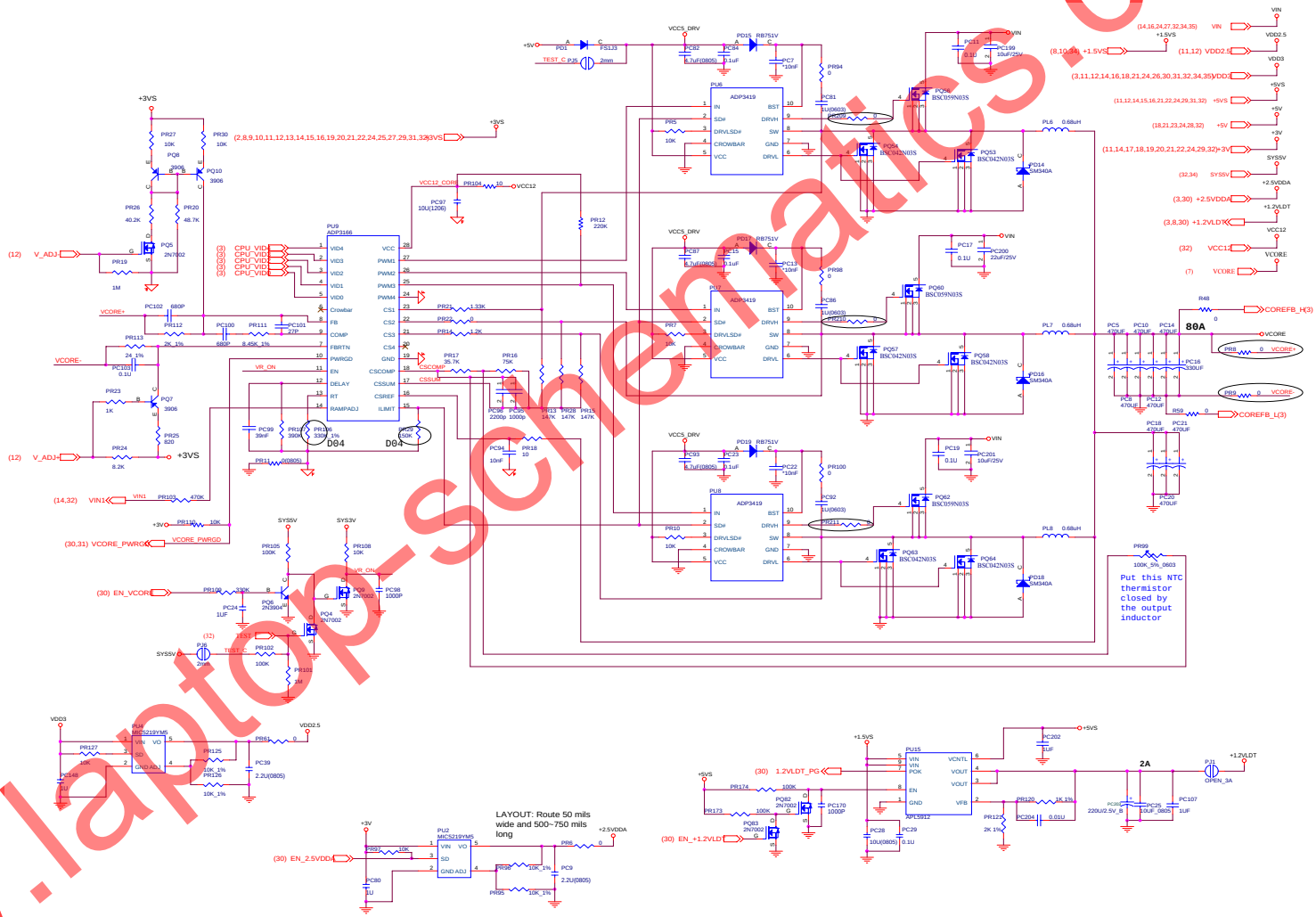
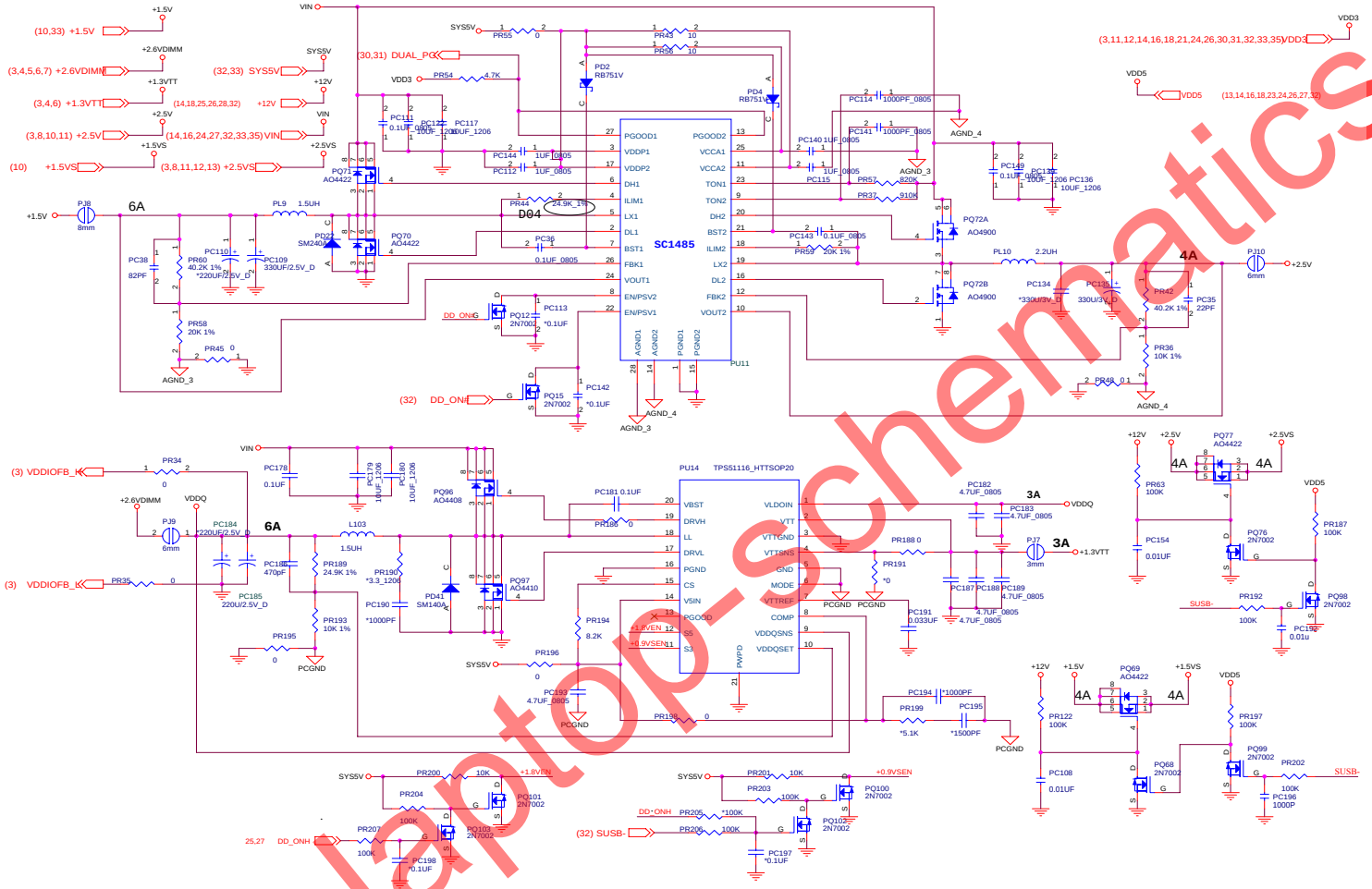
VCORE



+01.2VS, +1.5V, +2.5v, DDR



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+01.2VS, +1.5V,
+2.5v, DDR

CHARGER

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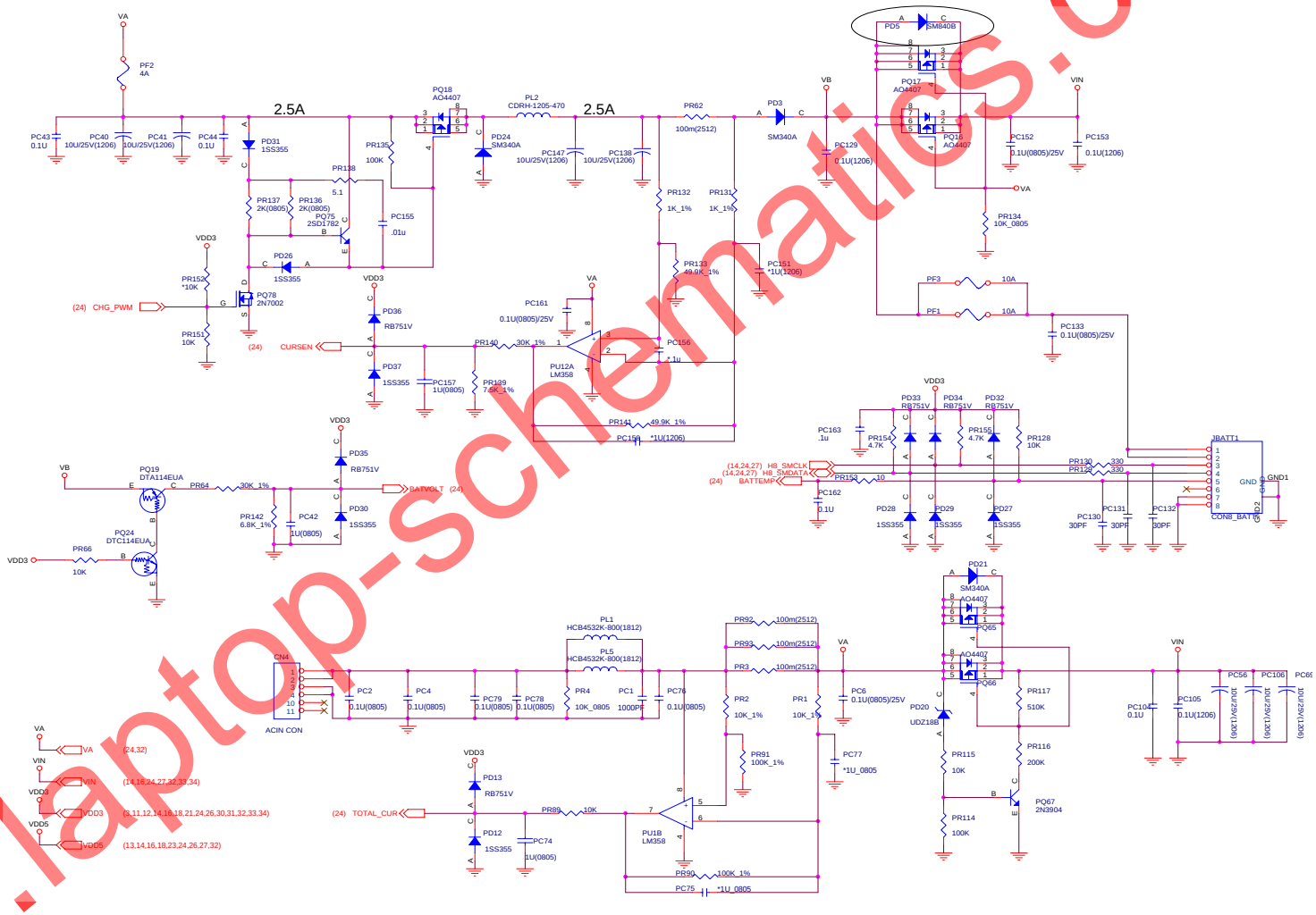
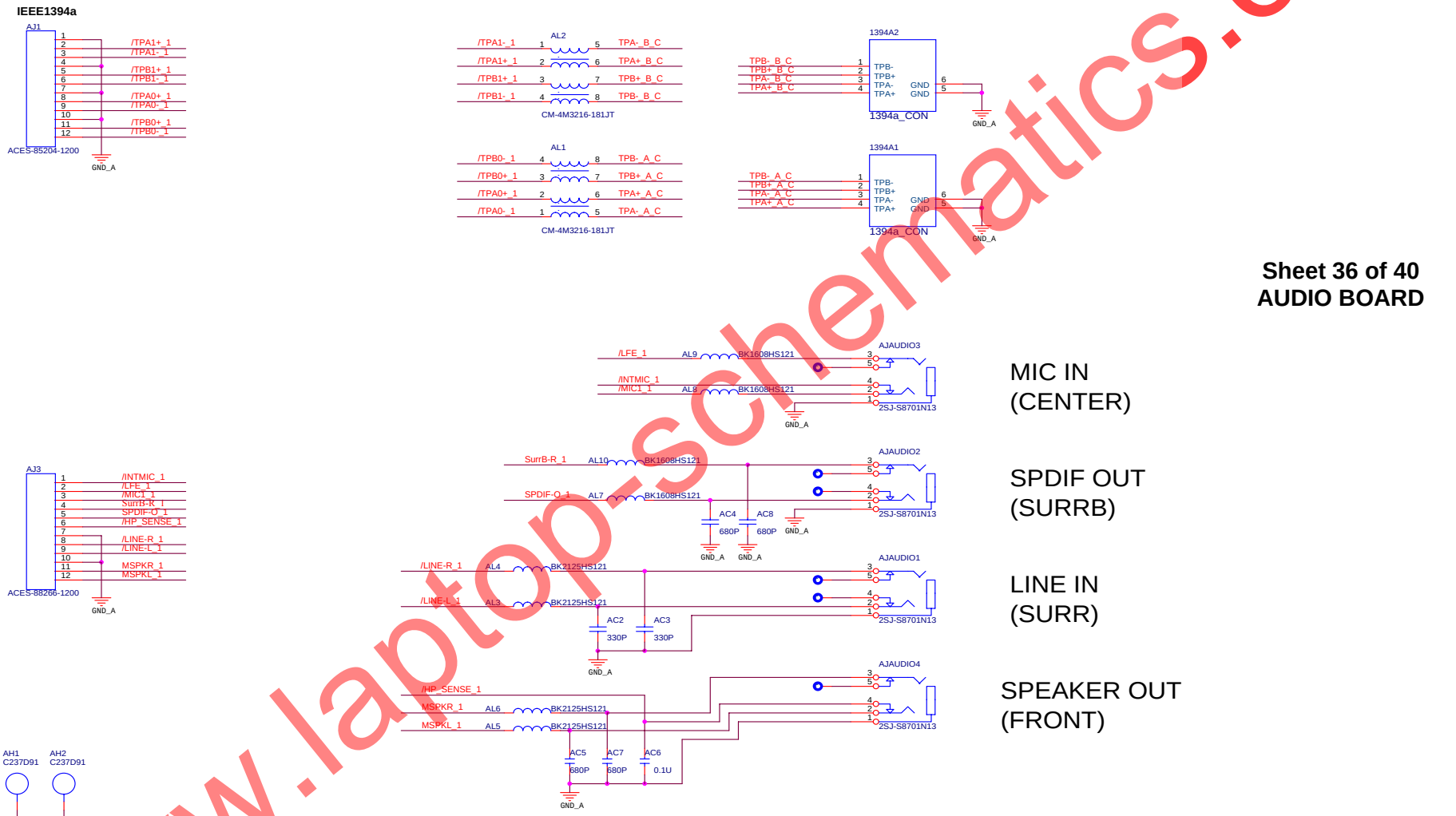
CHARGER



AUDIO BOARD



MIC IN
(CENTER)

SPDIF OUT
(SURRB)

LINE IN
(SURR)

SPEAKER OUT
(FRONT)

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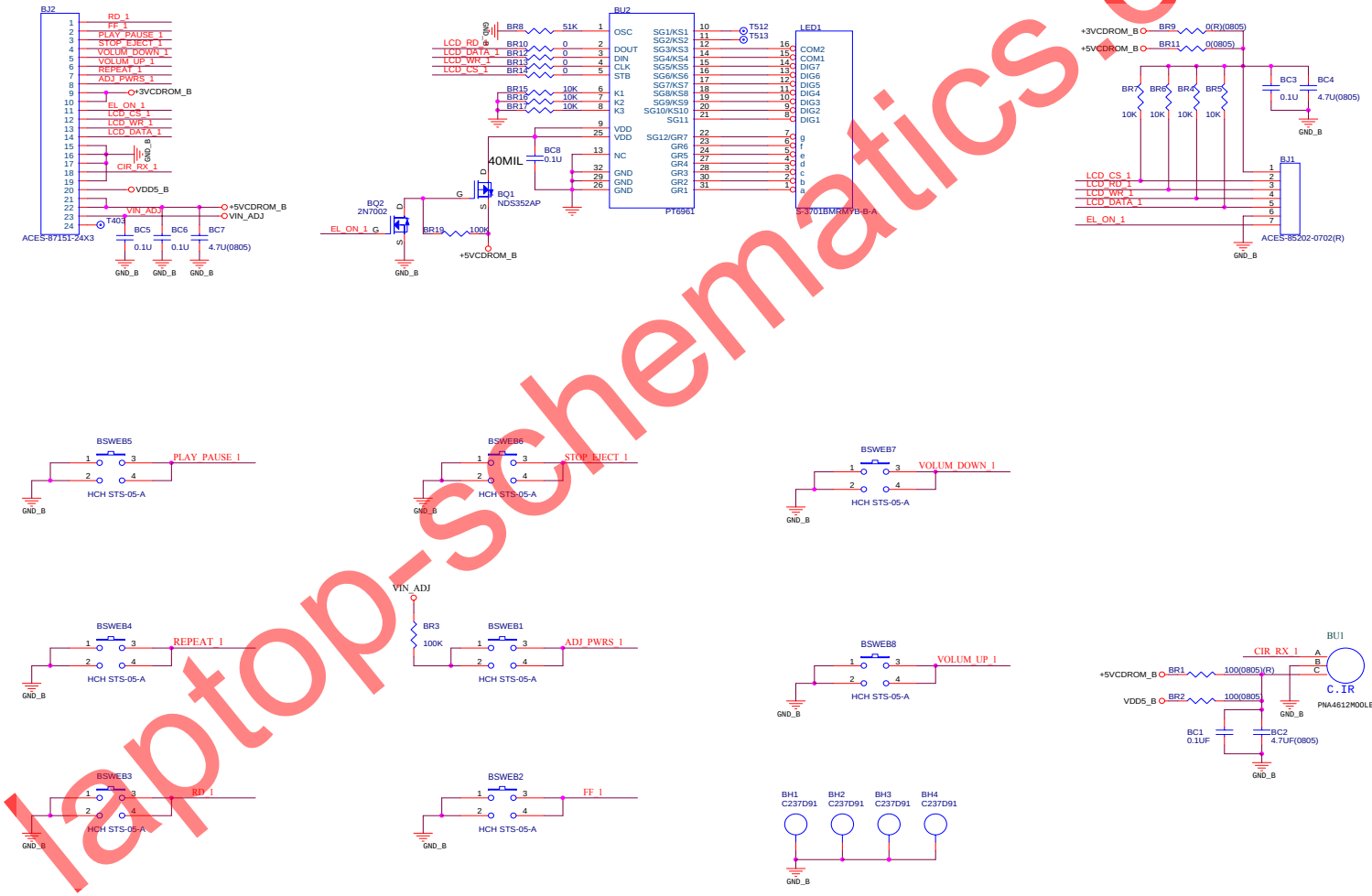
AUDIO BOARD

AUDIO DJ BOARD



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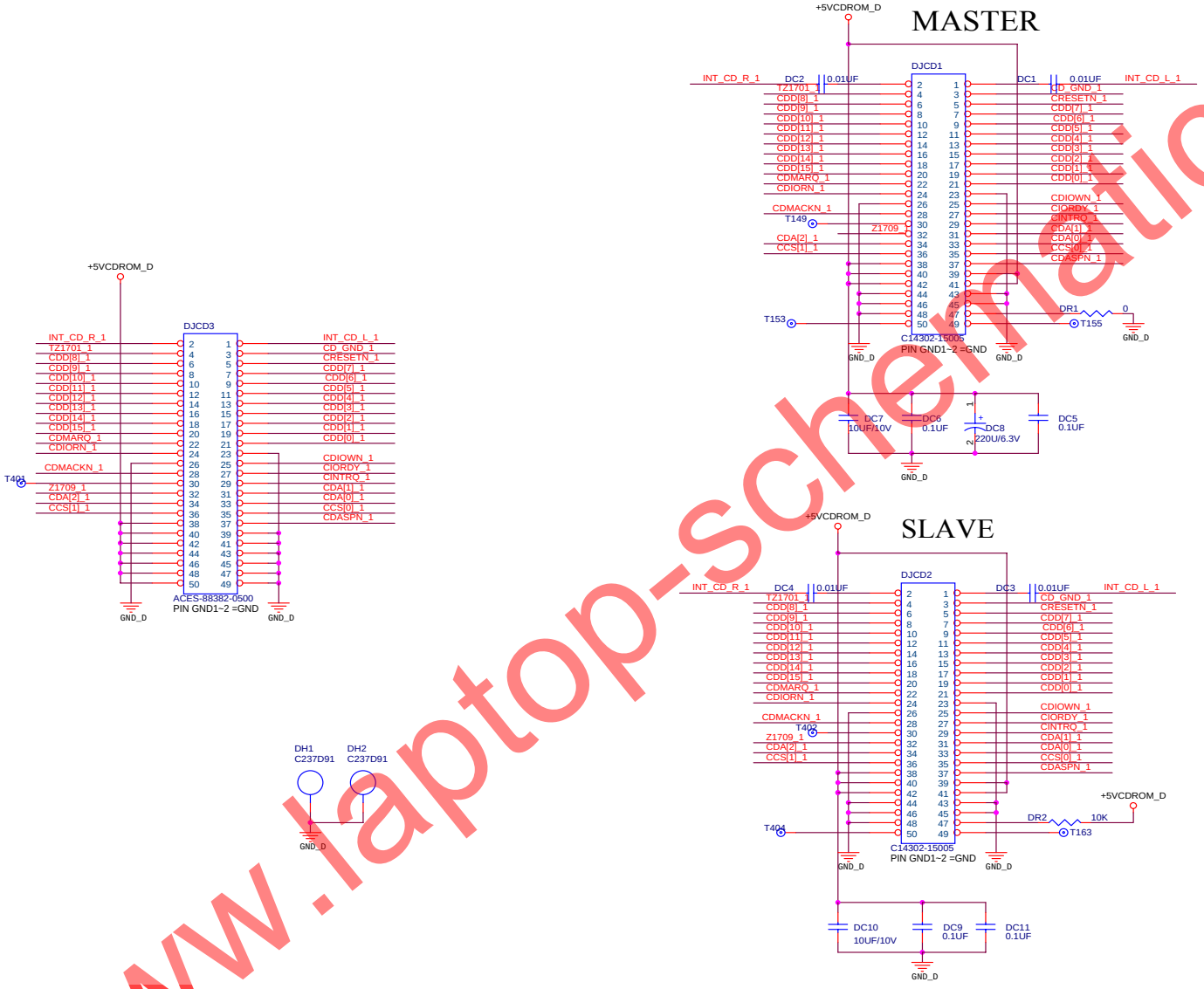
AUDIO DJ BOARD

CD-ROM BOARD



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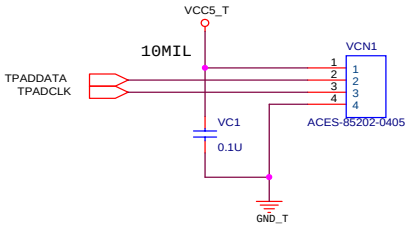
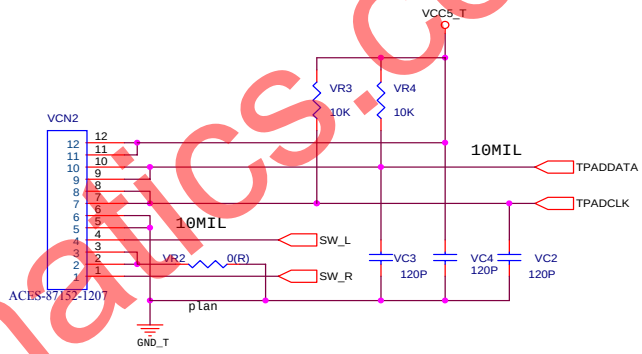
CD-ROM BOARD

CLICK BOARD





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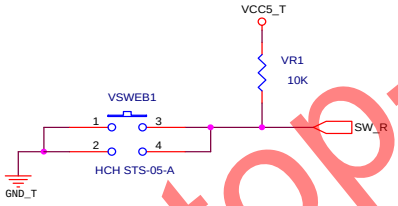
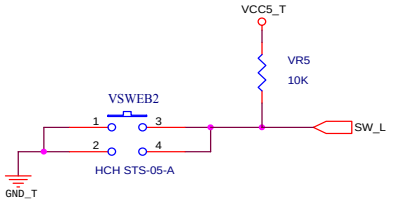
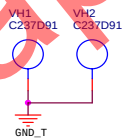
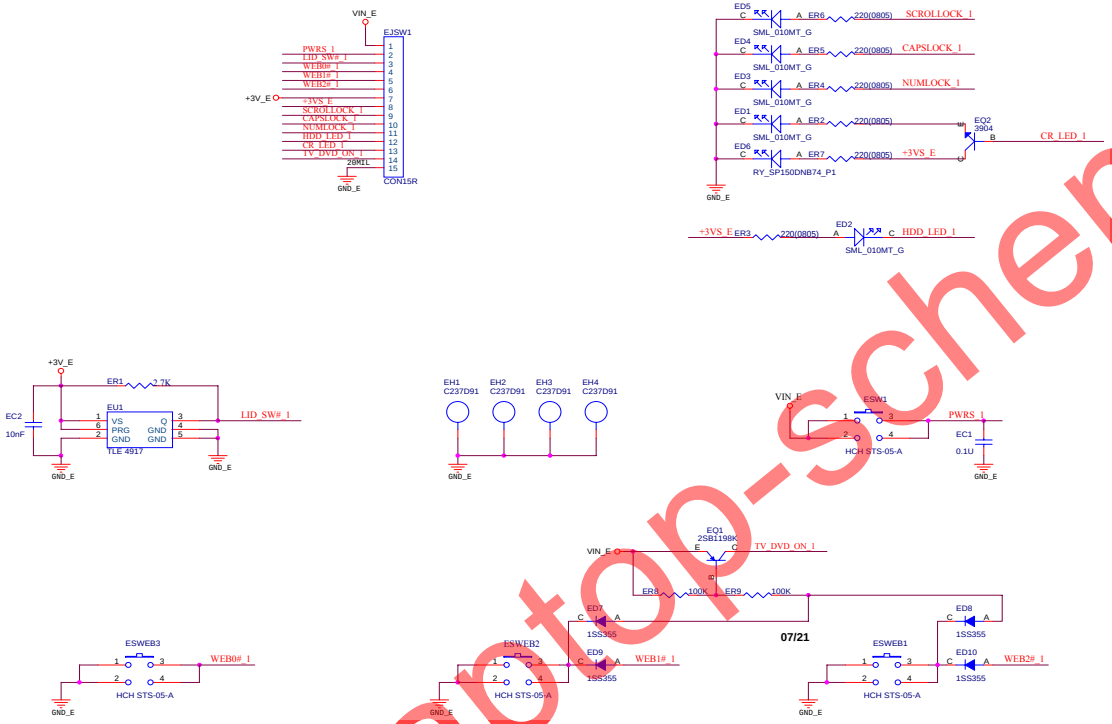
CLICK BOARD







SWITCH BOARD



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SWITCH BOARD