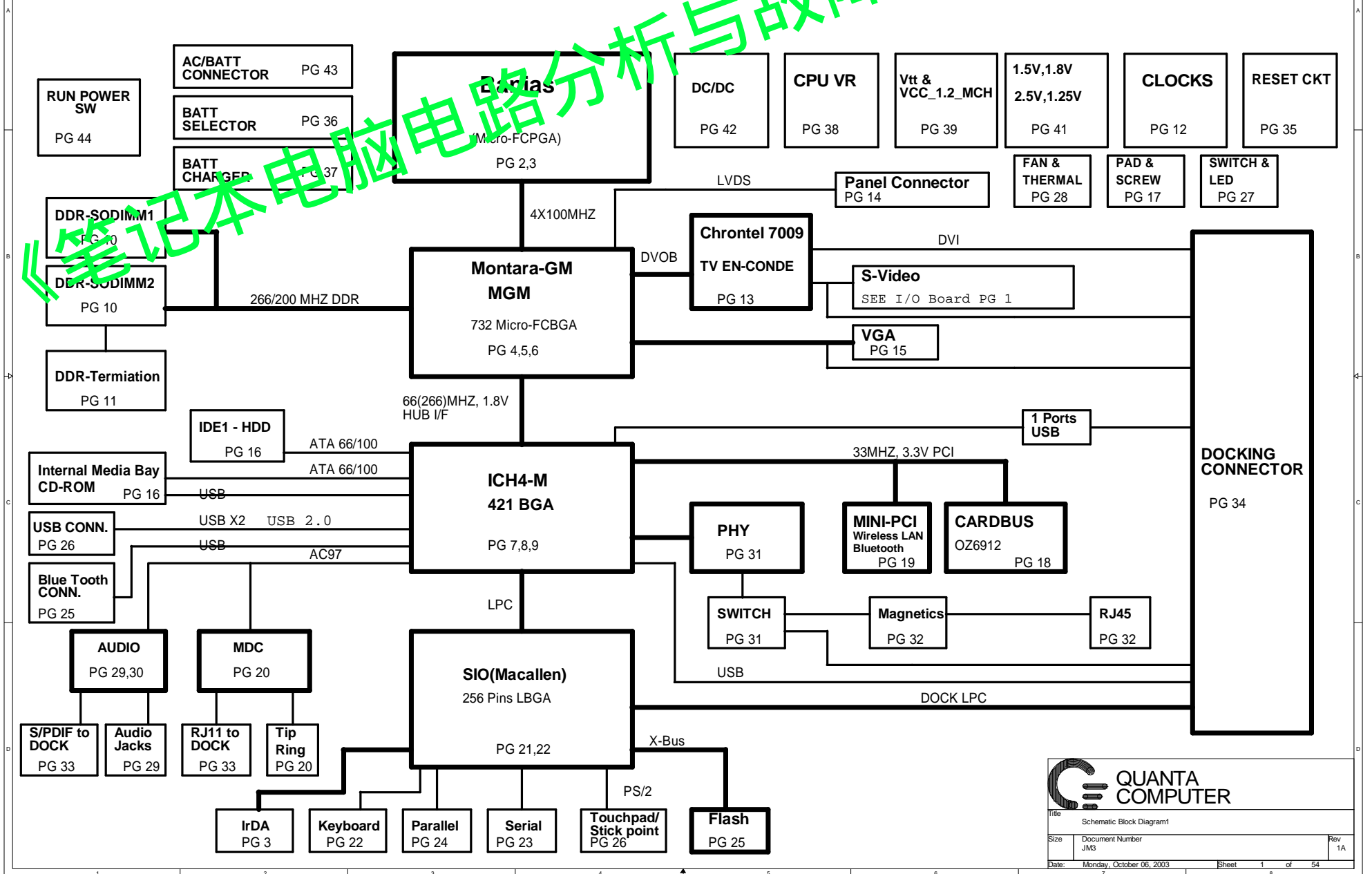
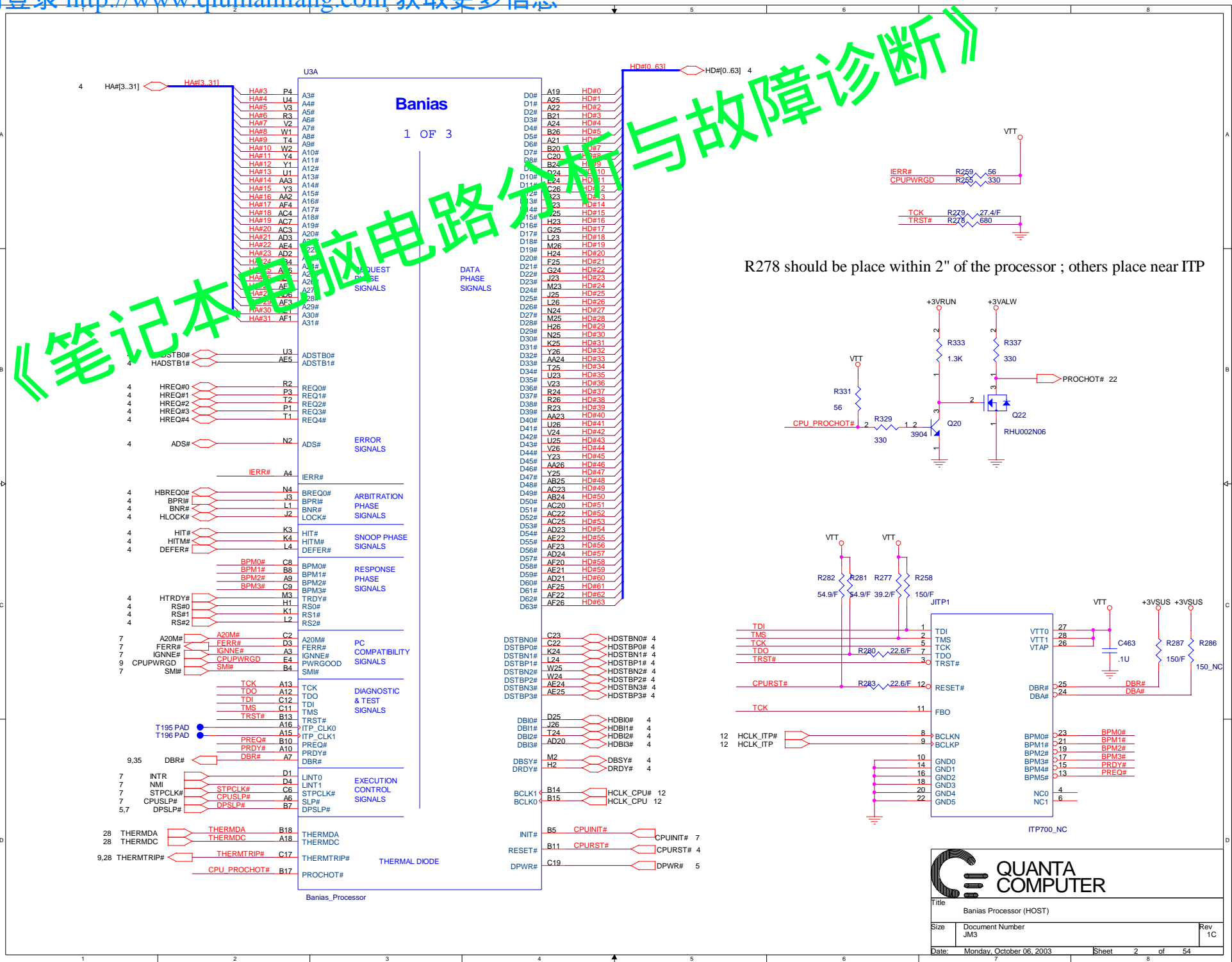


DAYTONA

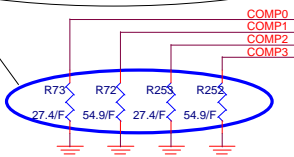


QUANTA COMPUTER

Title	Schematic Block Diagram1		Rev	1A
Size	Document Number	JMS		
Date:	Monday, October 06, 2003	Sheet	1	of 54



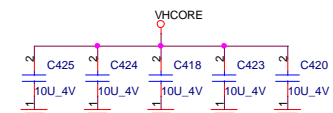
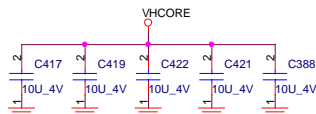
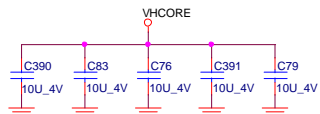
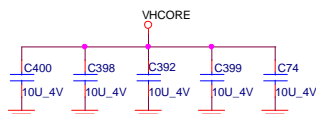
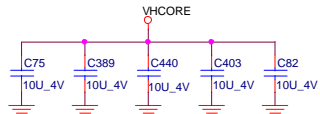
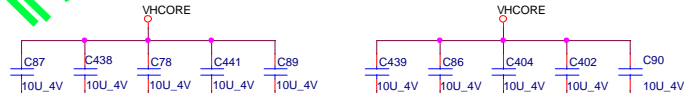
These 4 Resistors need to place with 0.5" of CPU.
Comp0,2 trace need to be $z=27.4\ \Omega$,
comp1,3 traces need to be $z=55\ \Omega$.



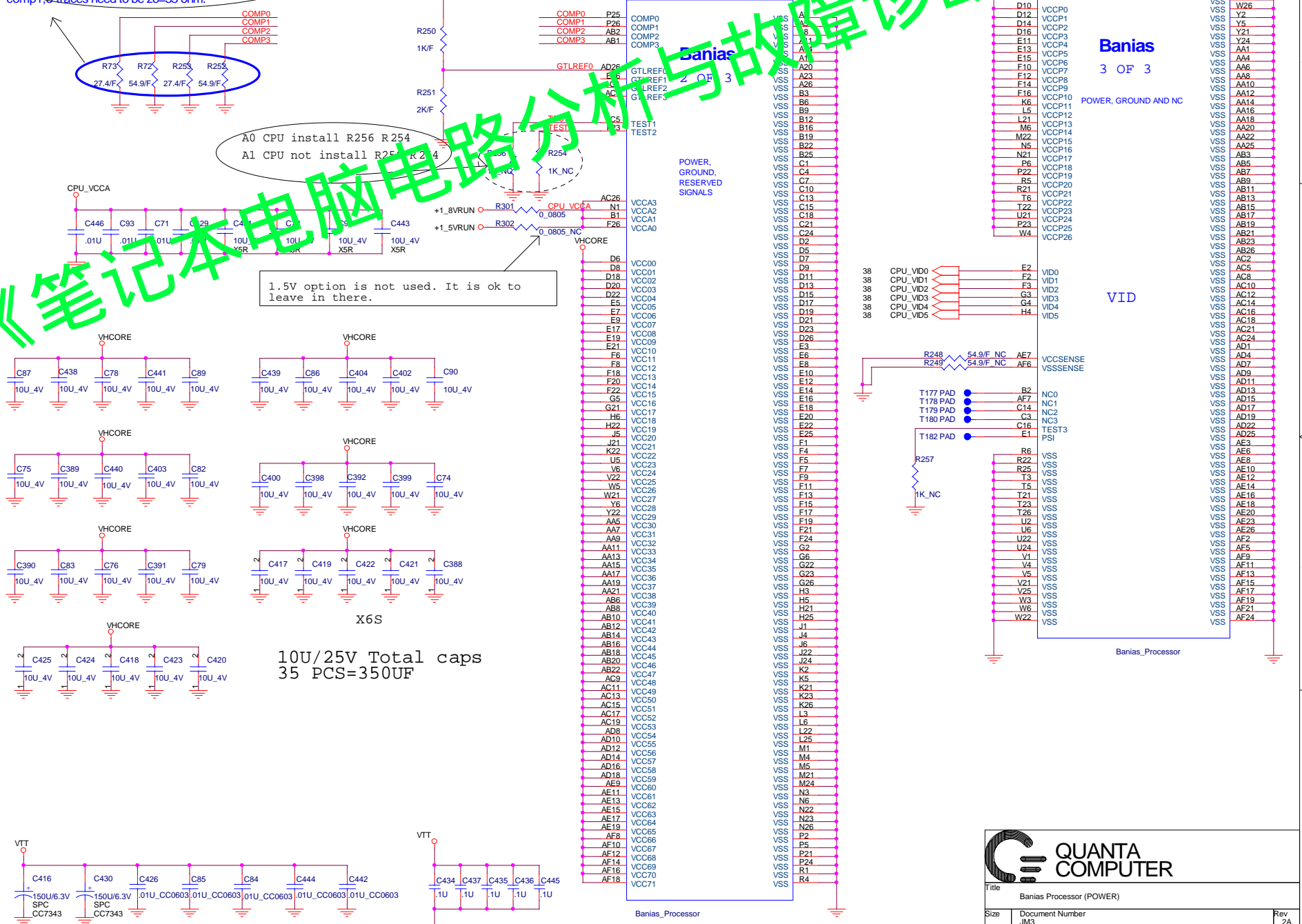
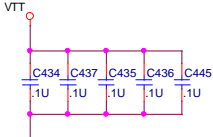
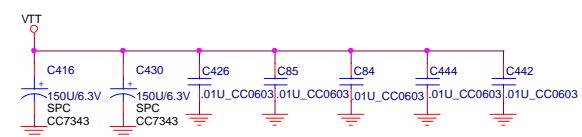
A0 CPU install R256 R254

A1 CPU not install R256 R254


1.5V option is not used. It is ok to leave in there.



10U/25V Total caps
35 PCS=350UF



《笔记本电脑电路分析与故障诊断》



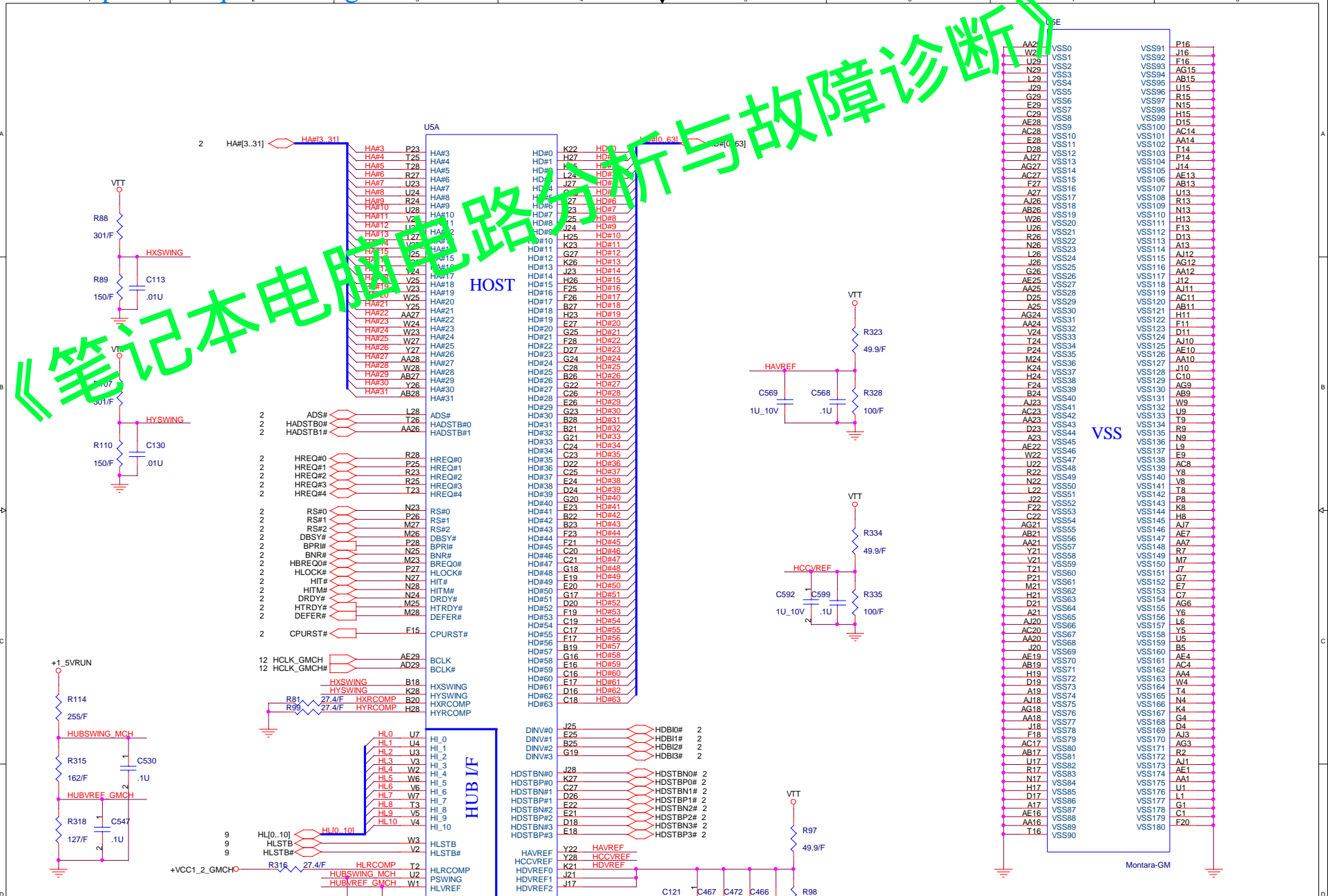
QUANTA COMPUTER

Title: Banias Processor (POWER)

Size	Document Number	Rev
	JM3	2A

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《笔记本电脑电路分析与故障诊断》

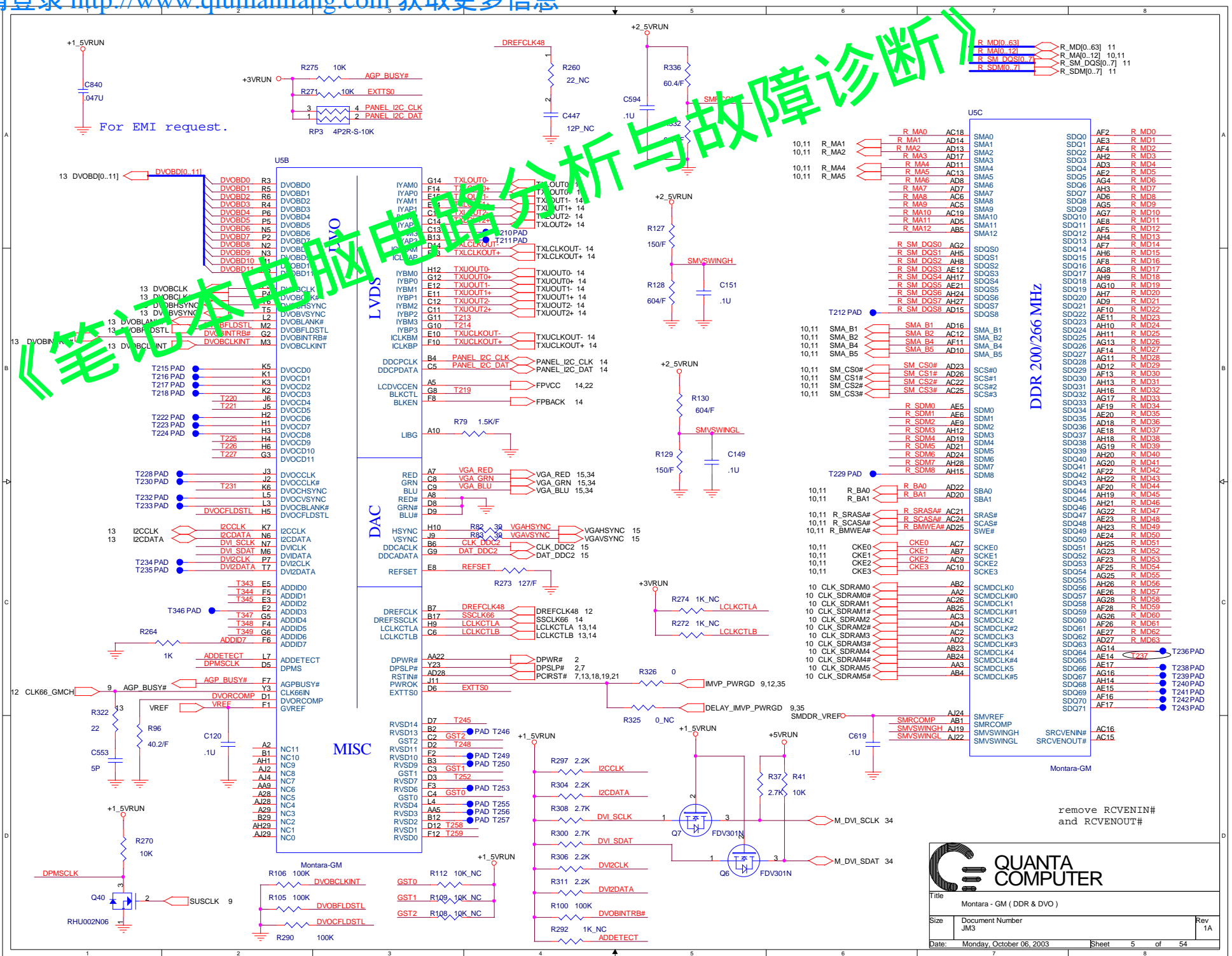


QUANTA COMPUTER

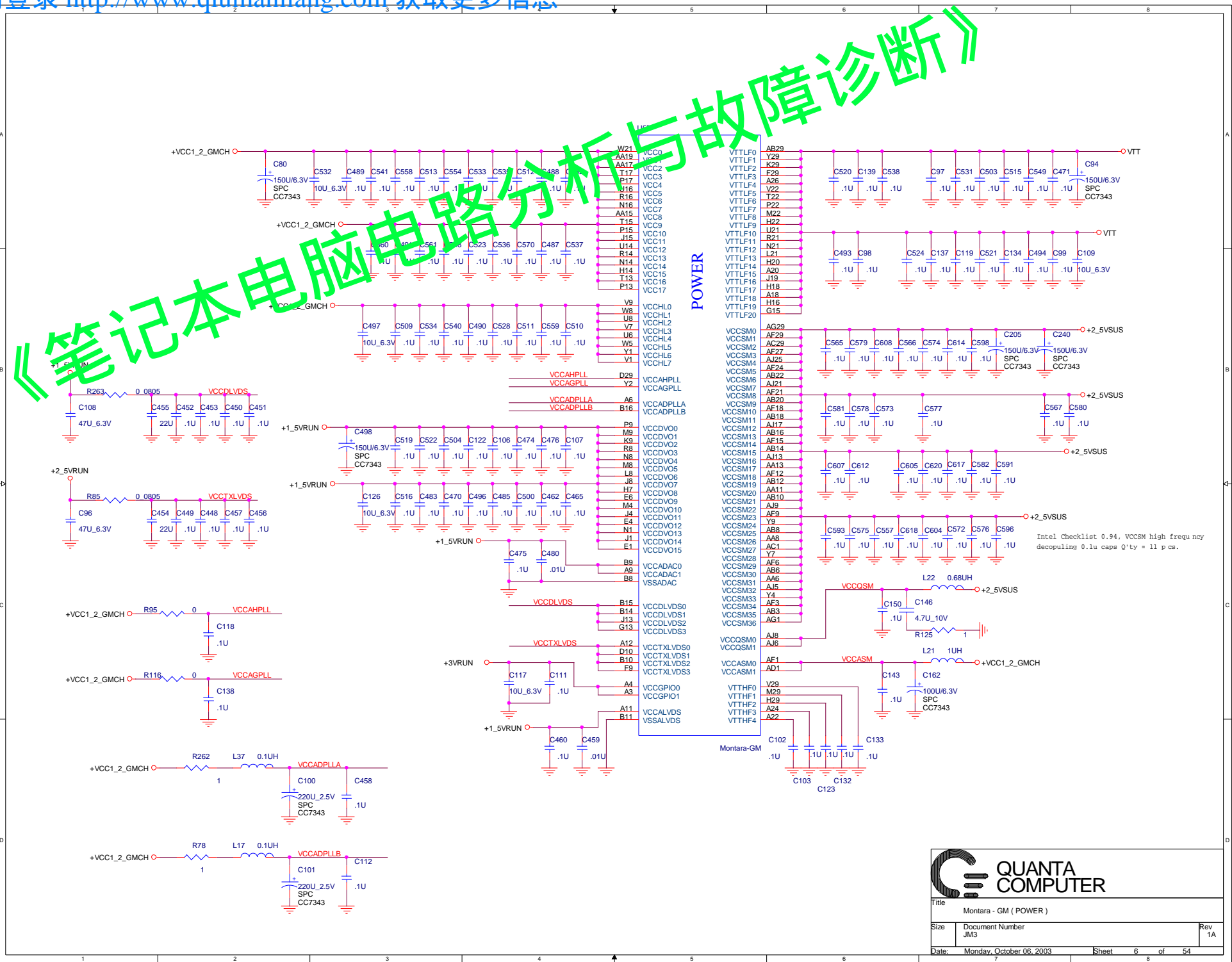
Title: Montara - GM (HOST)

Size:	Document Number	Rev
	JM3	1A

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Title: Montara - GM (DDR & DVO)		
Size:	Document Number: JM3	Rev: 1A
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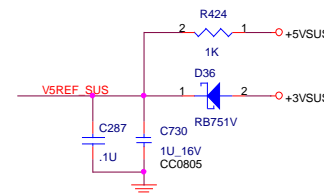
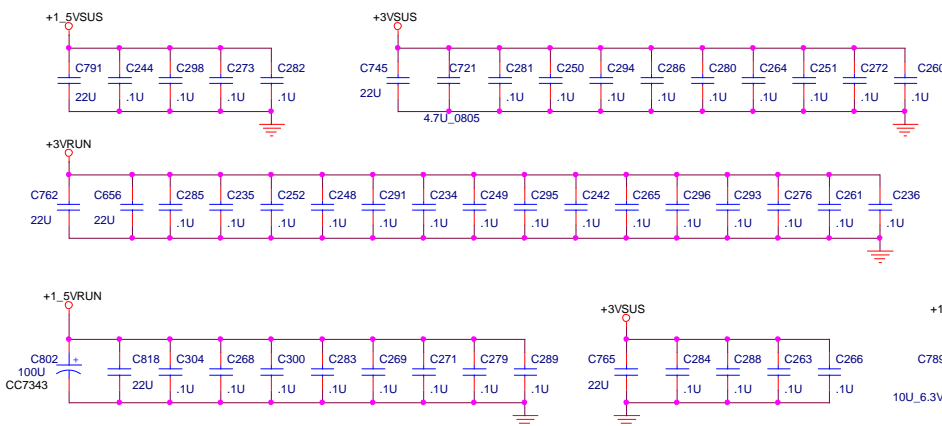
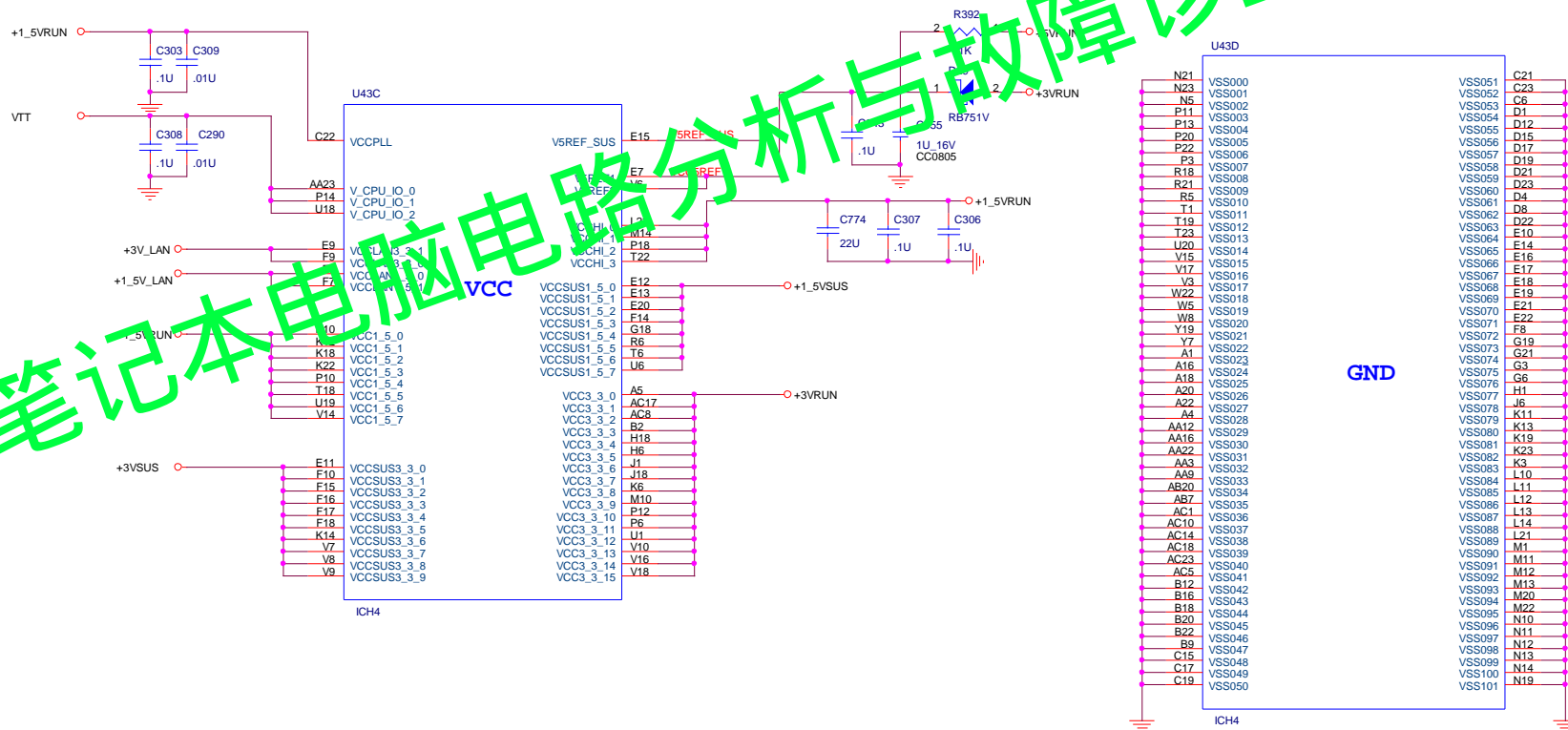
QUANTA COMPUTER

Title: Montara - GM (POWER)

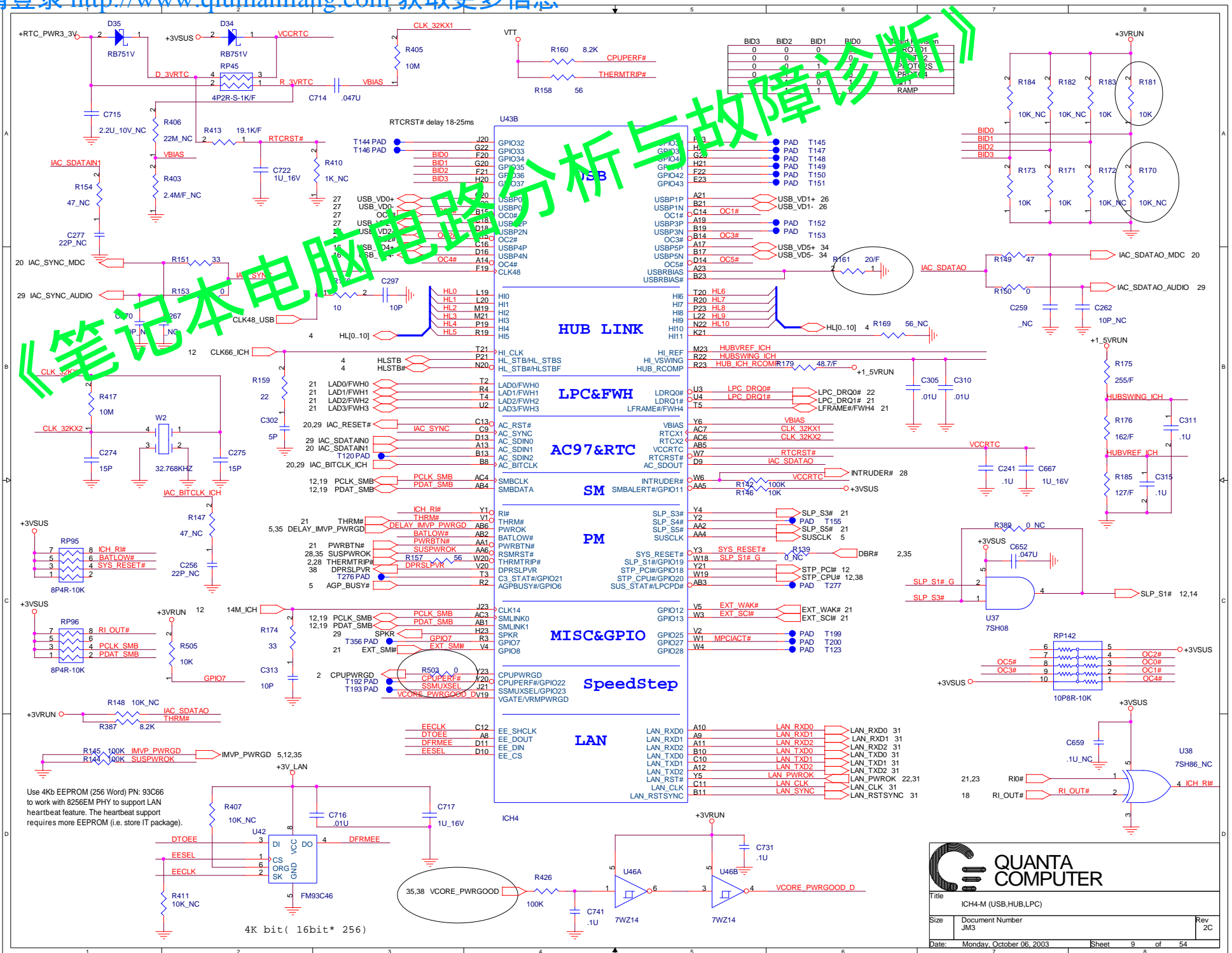
Size	Document Number	Rev
	JM3	1A

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《笔记本电脑电路分析与故障诊断》



Title: ICH4-M (POWER&GND)		
Size: JM3	Document Number:	Rev: 1A
Date: Monday, October 06, 2003	Sheet: 8	of 54

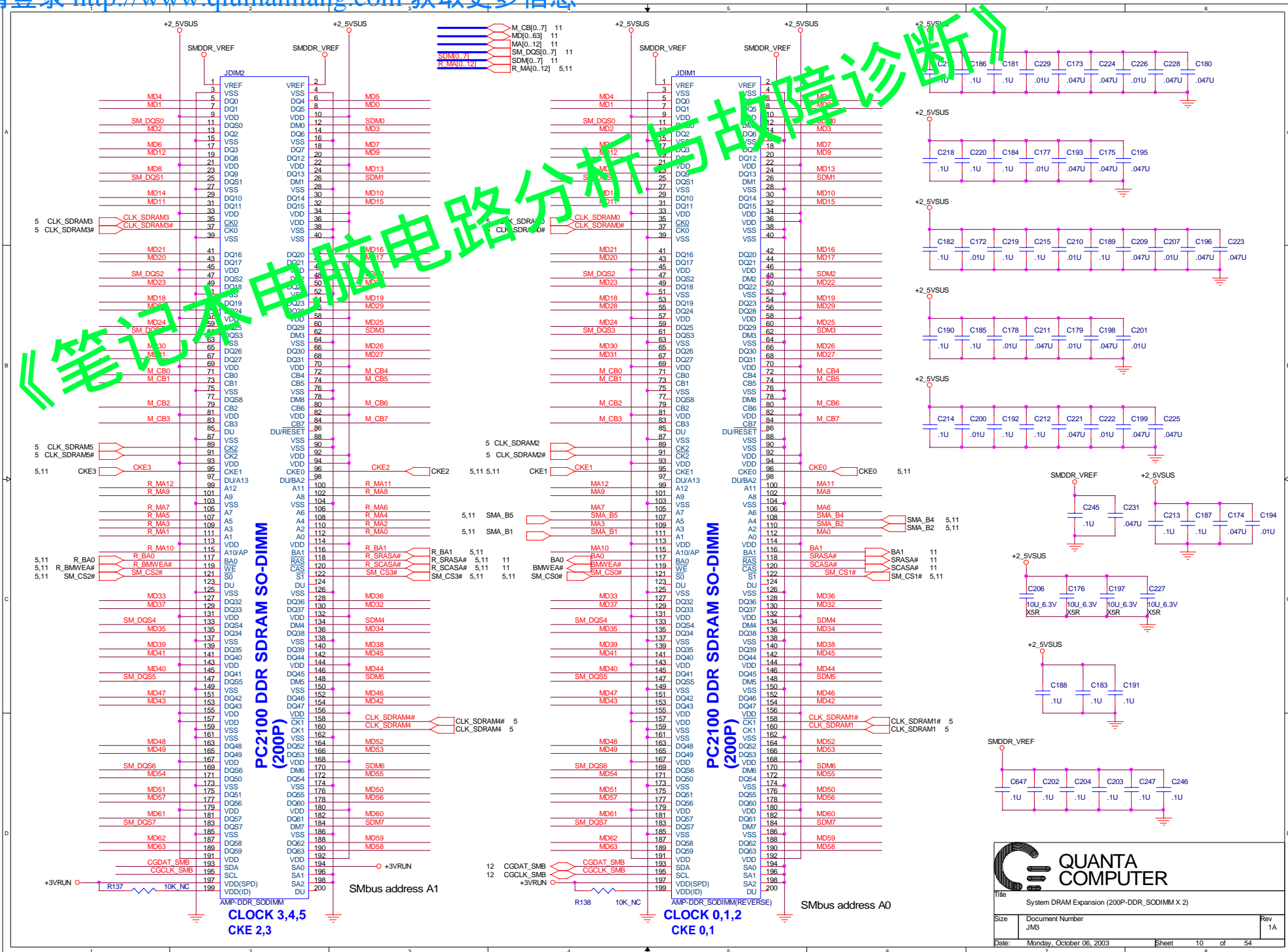


QUANTA COMPUTER

Title: ICH4-M (USB,HUB,LPC)

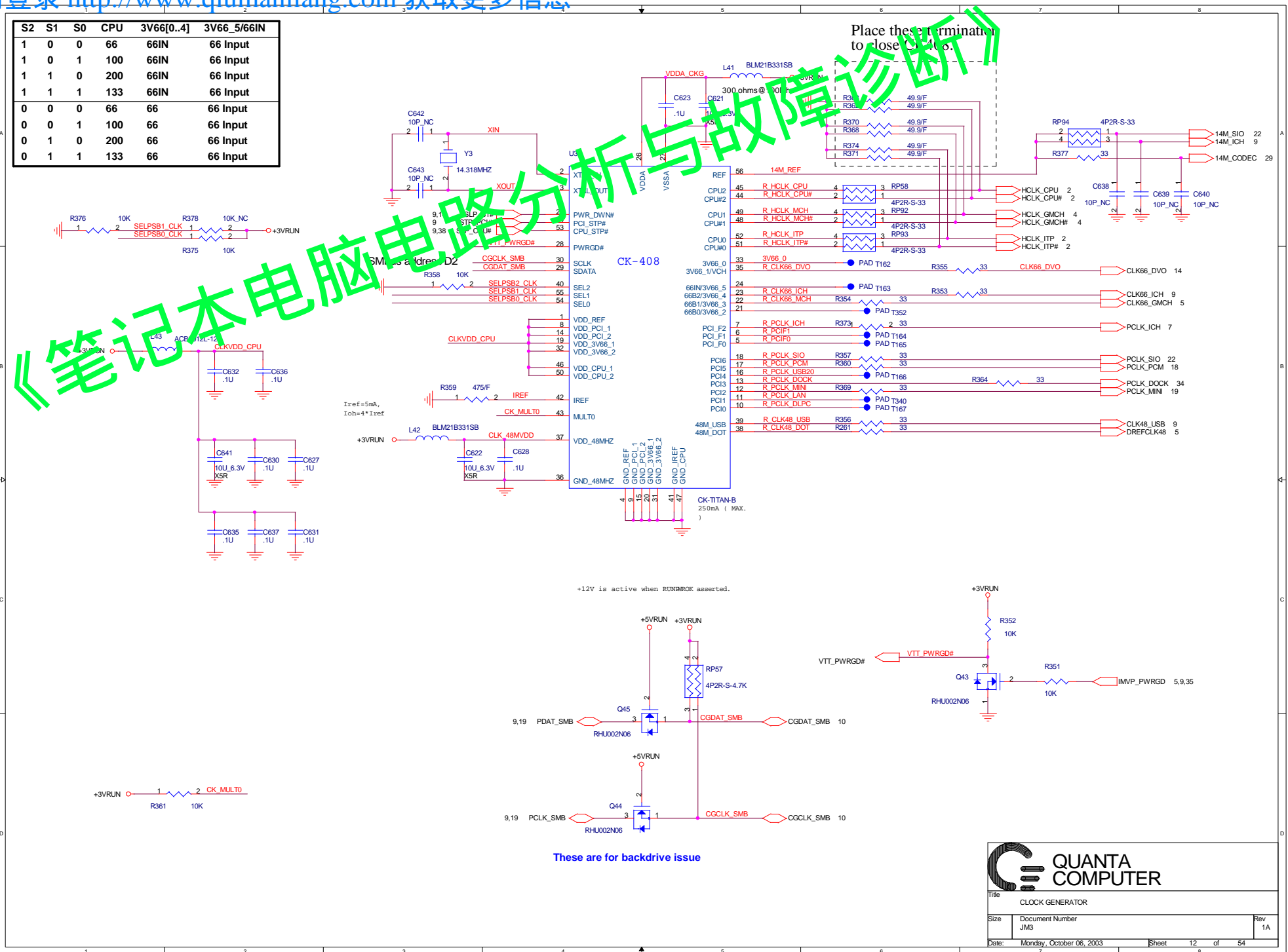
Size: Document Number JM3 Rev 2C

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S2	S1	S0	CPU	3V66[0..4]	3V66_5/66IN	
1	0	0	66	66IN	66	Input
1	0	1	100	66IN	66	Input
1	1	0	200	66IN	66	Input
1	1	1	133	66IN	66	Input
0	0	0	66	66	66	Input
0	0	1	100	66	66	Input
0	1	0	200	66	66	Input
0	1	1	133	66	66	Input

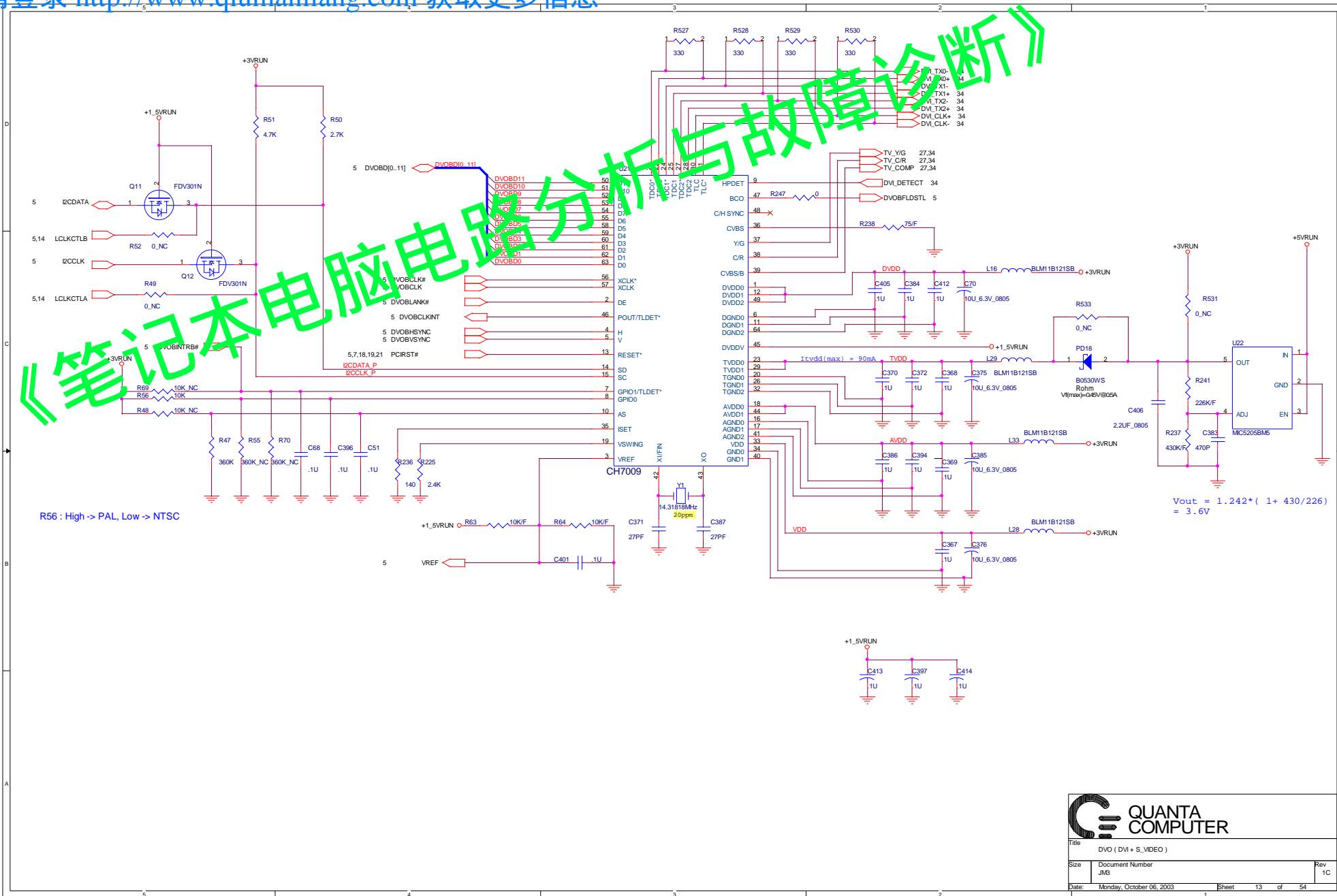


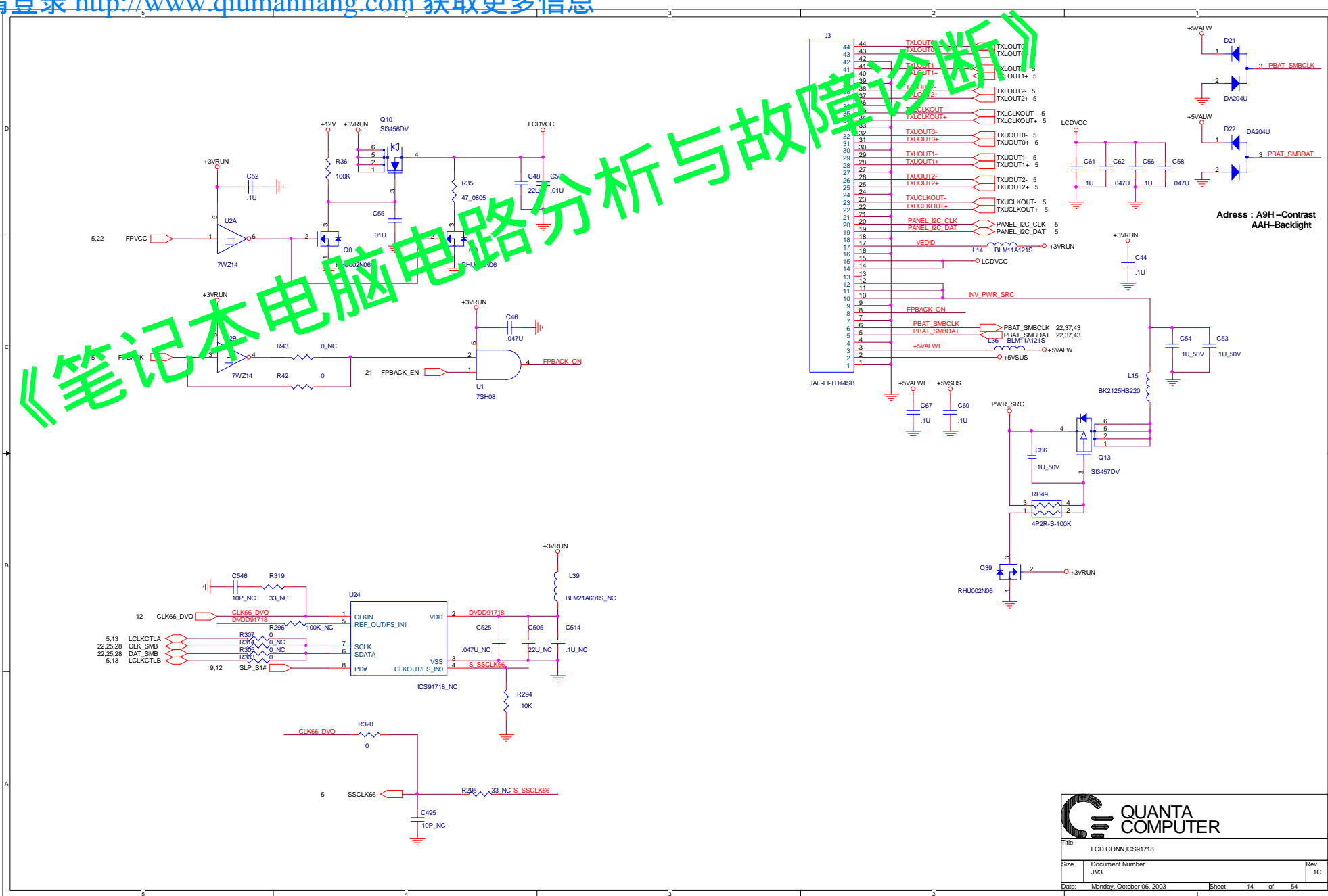
QUANTA COMPUTER

Title: CLOCK GENERATOR

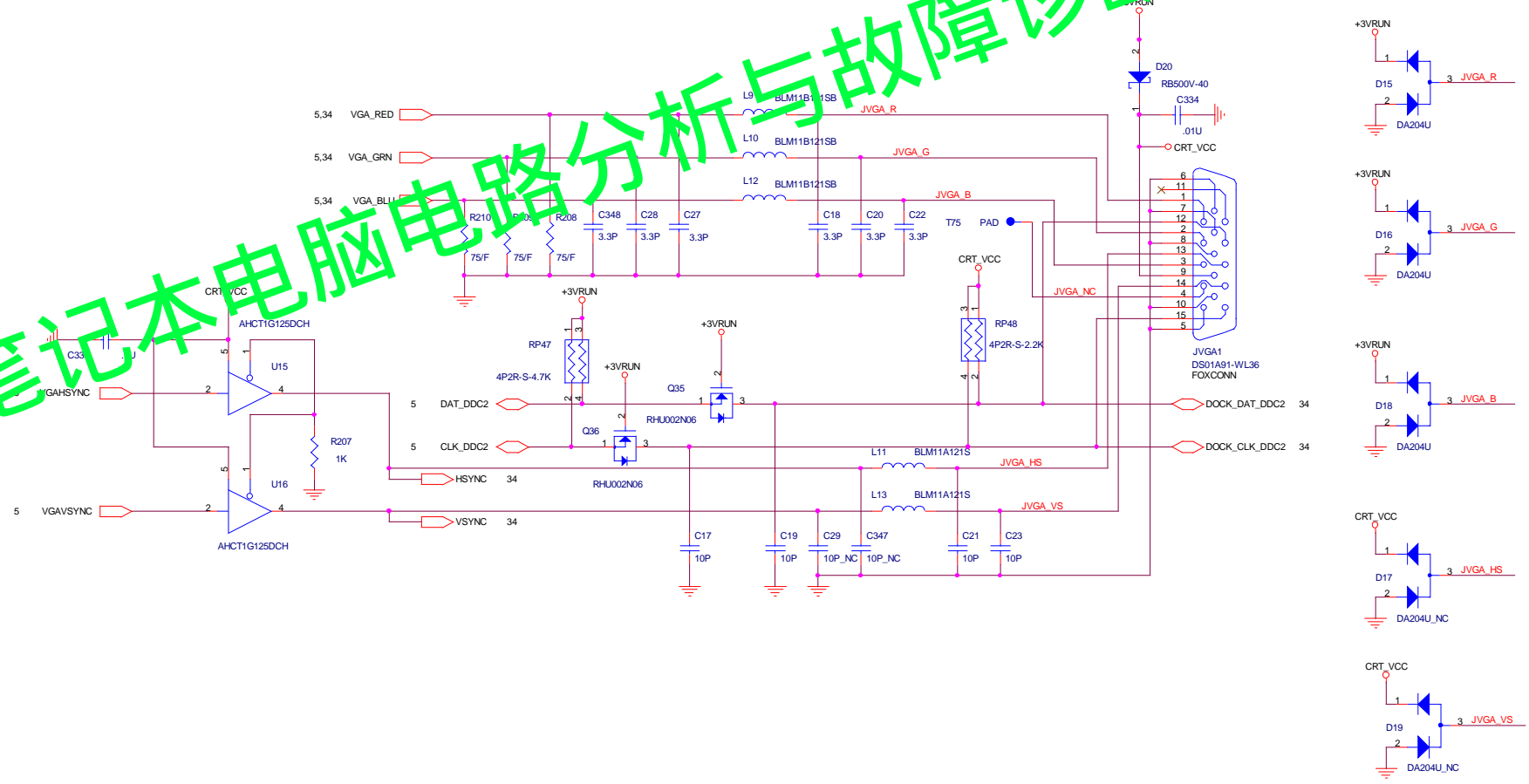
Size: Document Number JMS Rev: 1A

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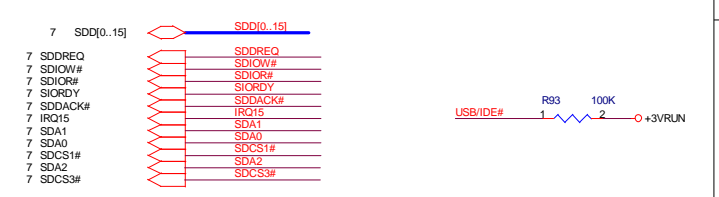
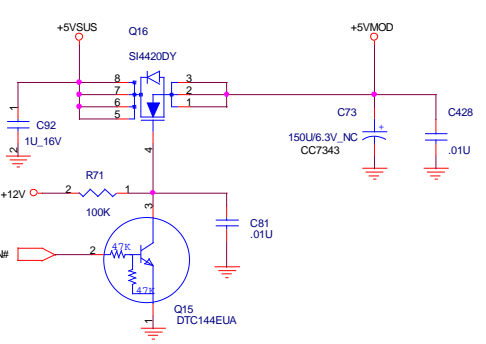
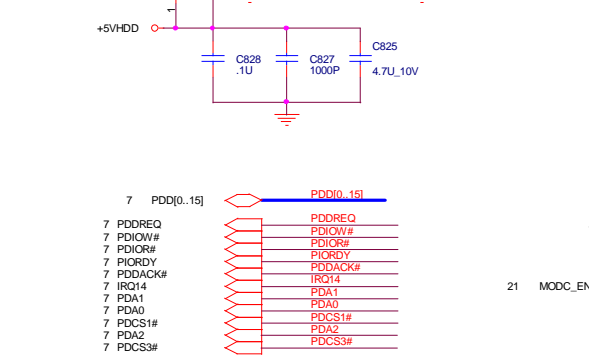
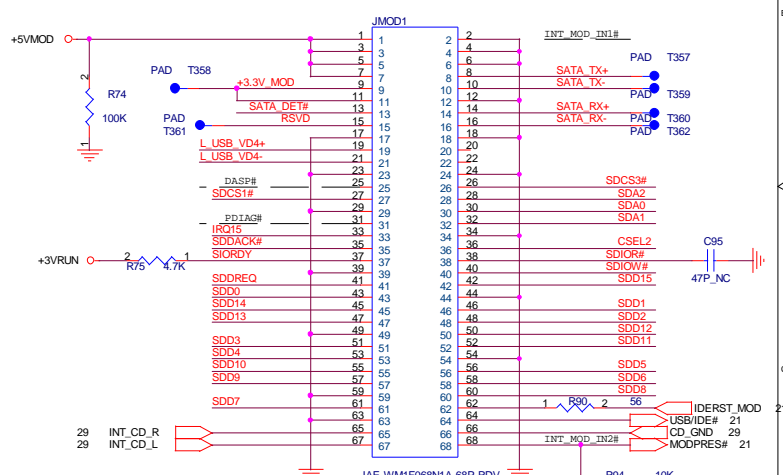
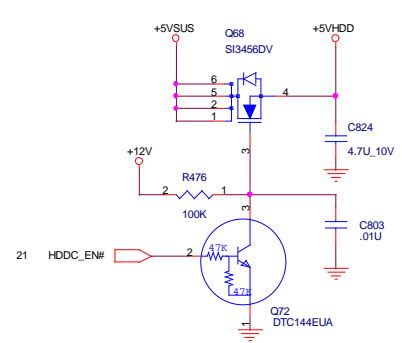
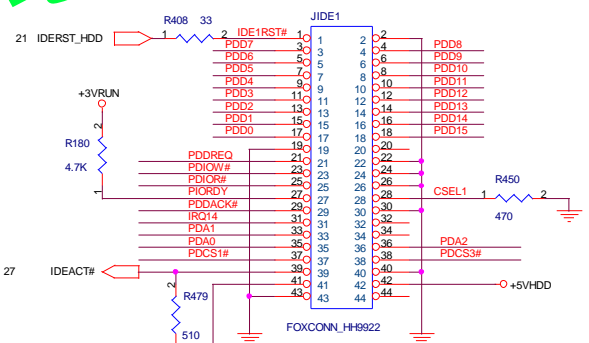
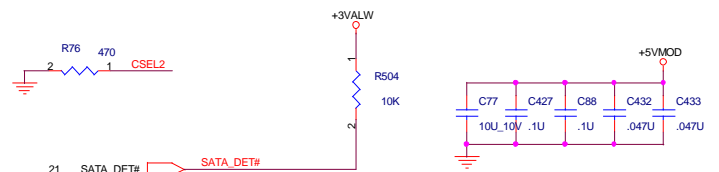
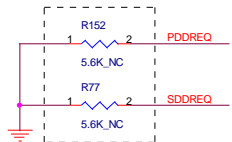
《笔记本电脑电路分析与故障诊断》



QUANTA COMPUTER

Title: CRT CONN		
Size: JMS	Document Number: JMS	Rev: 1D
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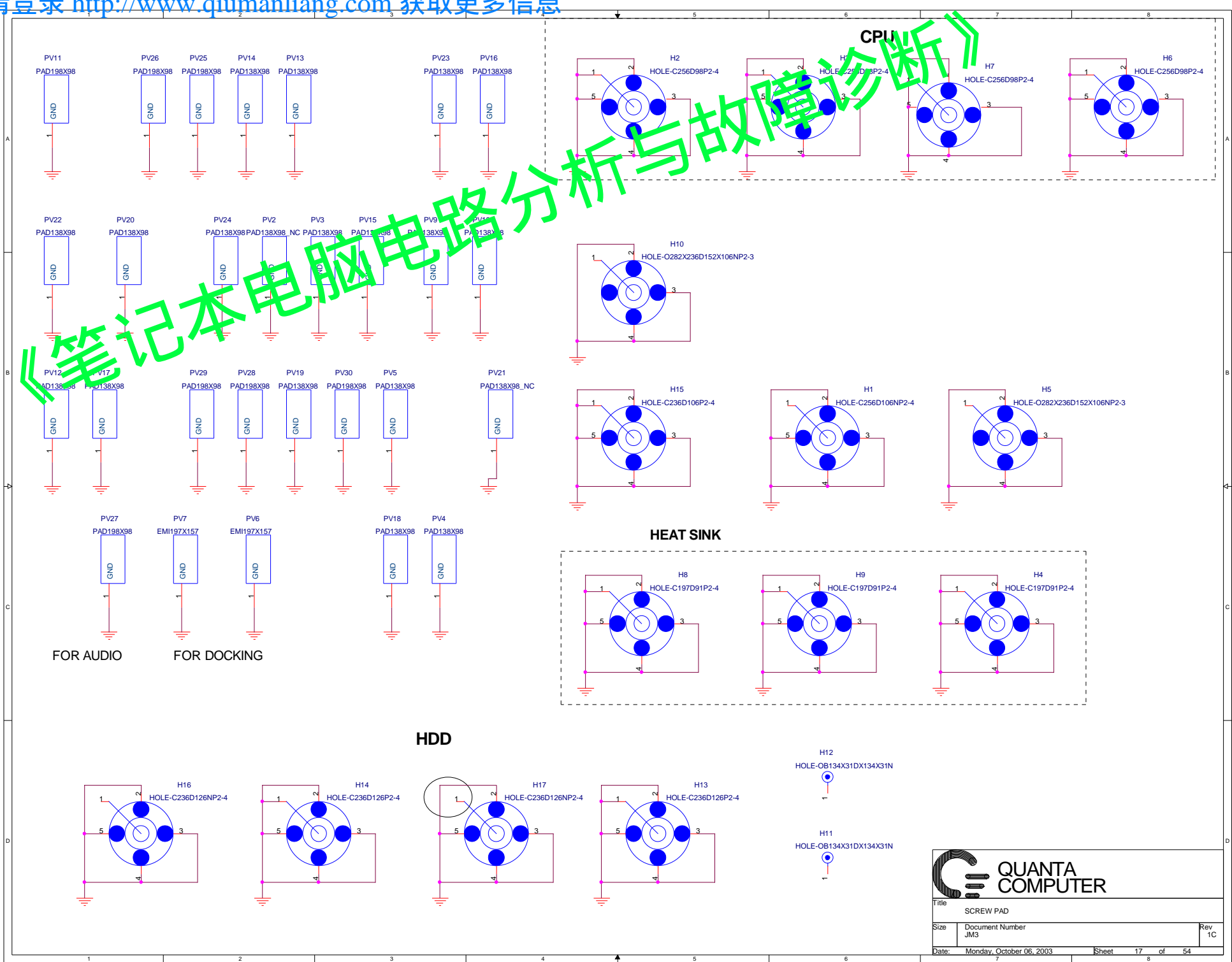


QUANTA COMPUTER

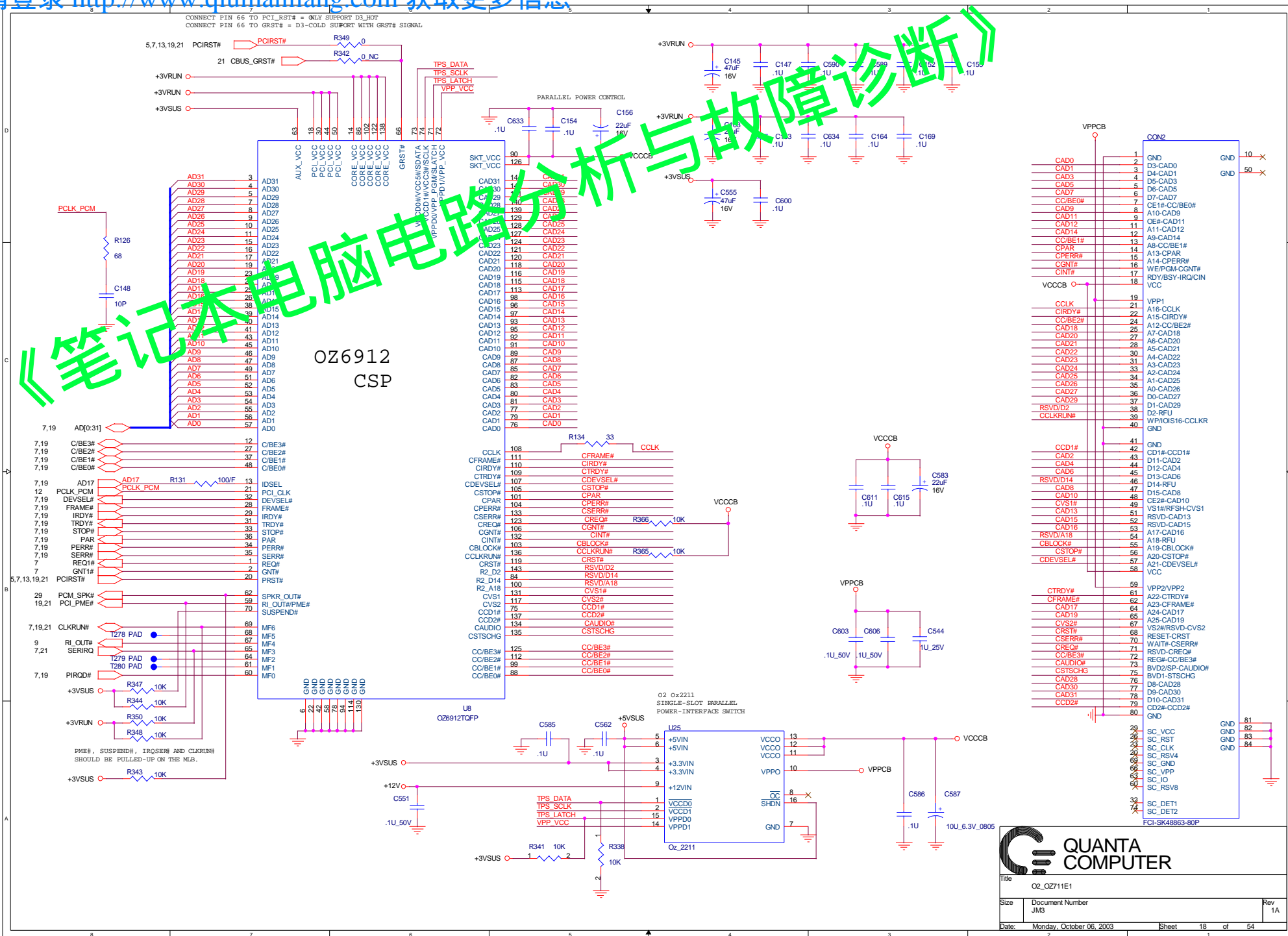
Title: IDE (HDD&CD_ROM)

Size	Document Number	Rev
	JMS	2A

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Title: SCREW PAD		
Size: JM3	Document Number:	Rev: 1C
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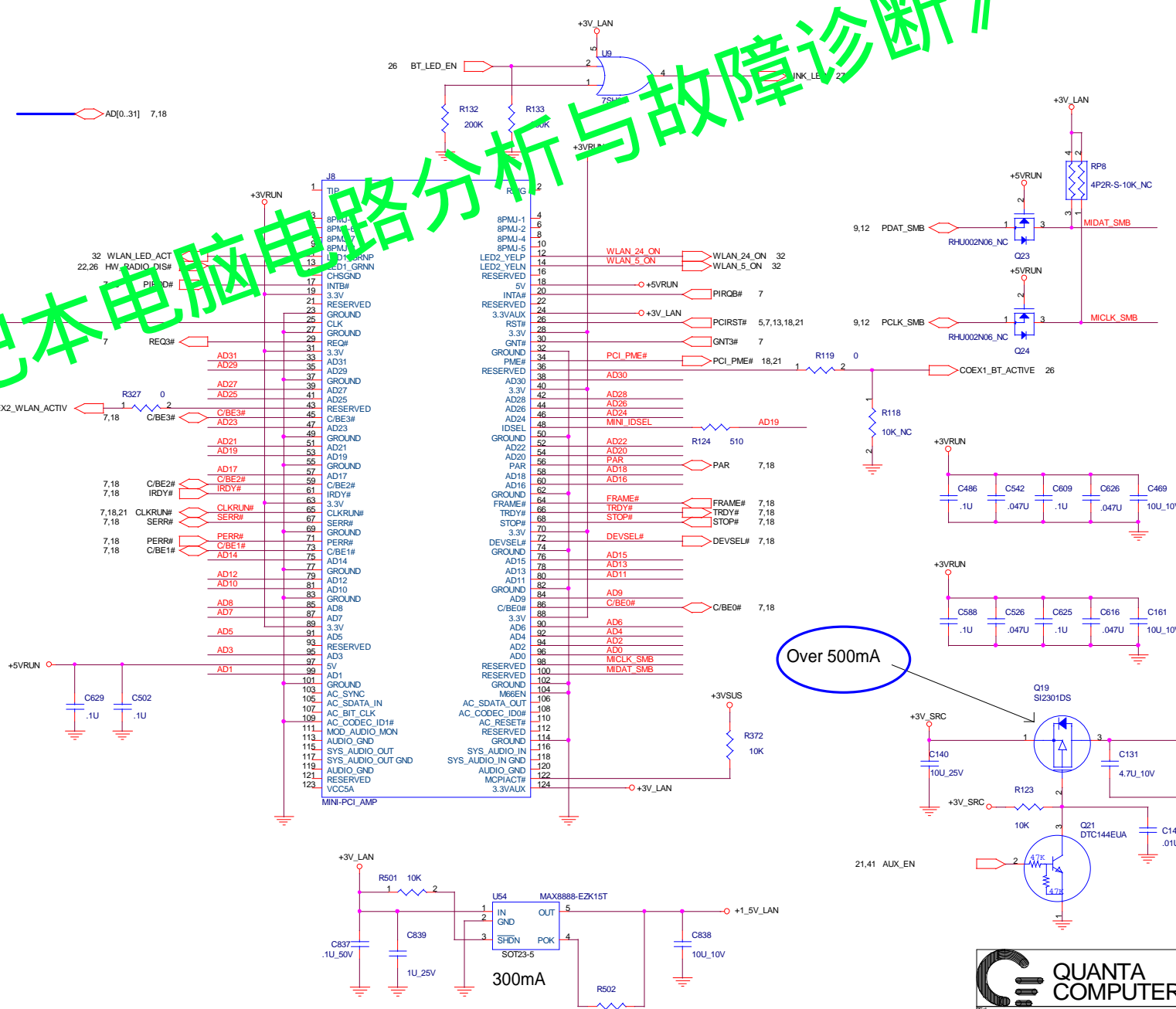
QUANTA COMPUTER

Title: OZ_0Z711E1

Size	Document Number	Rev
JM3		1A

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《笔记本电脑电路分析与故障诊断》

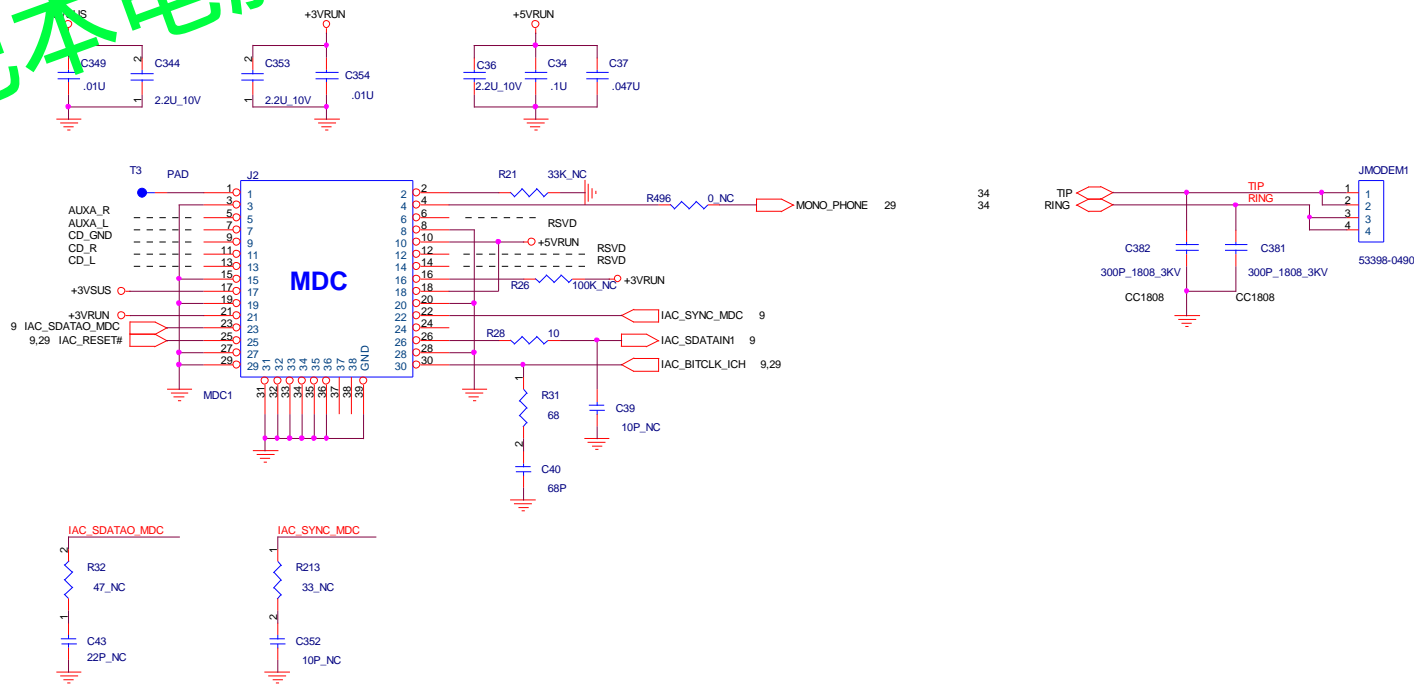


Over 500mA

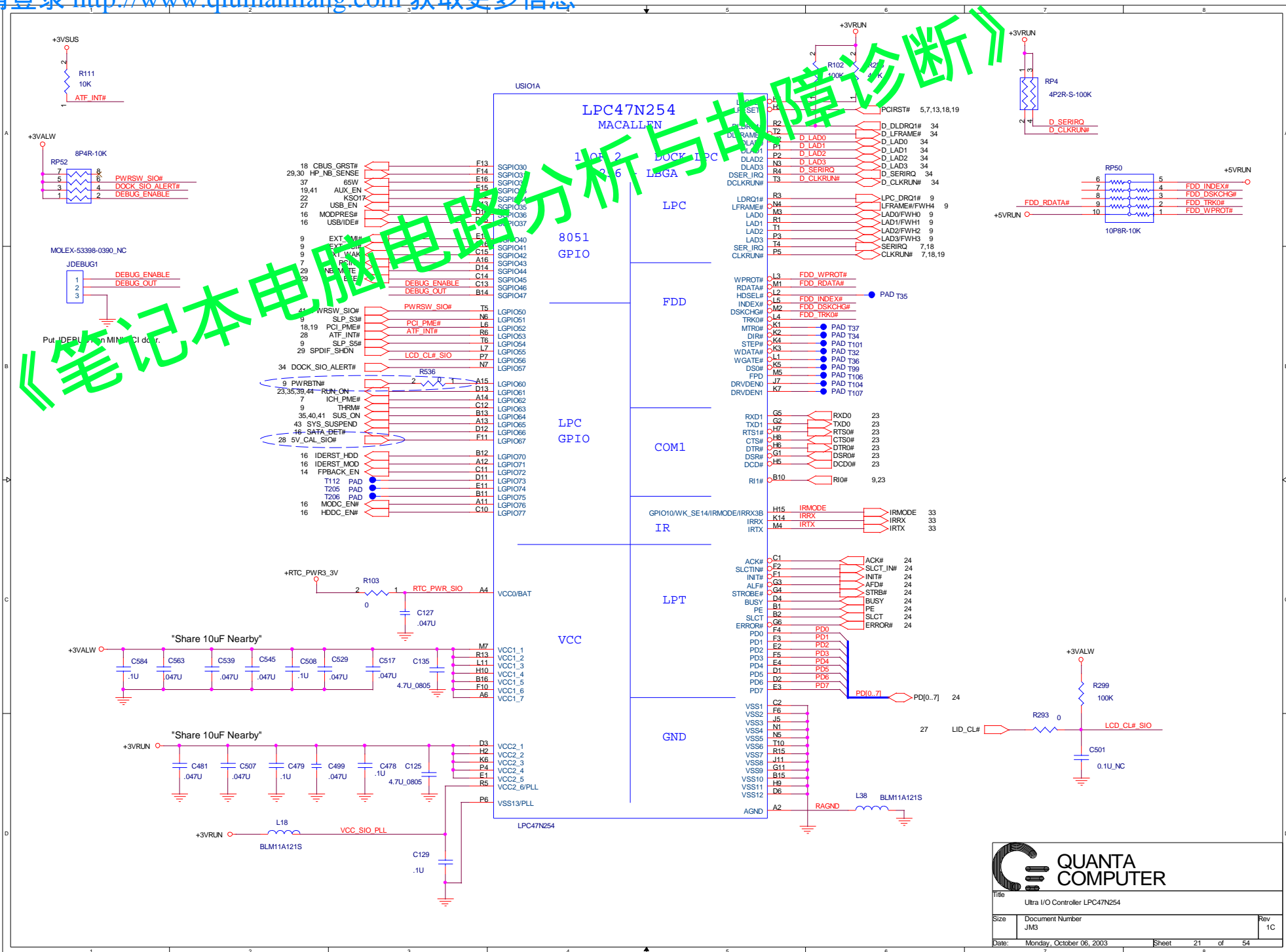


Title: MINI-PCI &MDC		
Size: Document Number	Rev: 2A	
Date: Monday, October 06, 2003		
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Title		MDC CONN.
Size	Document Number	Rev
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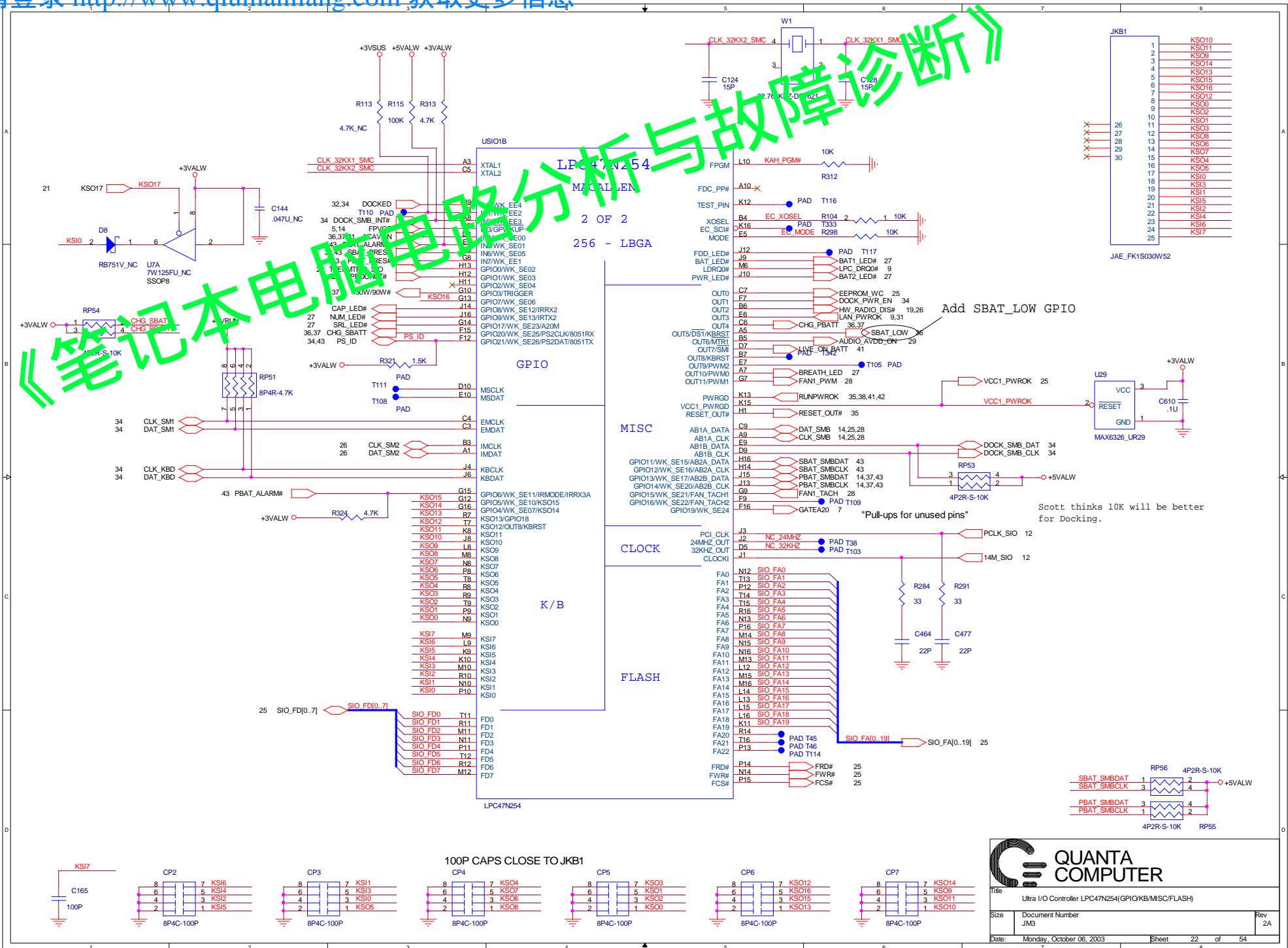


QUANTA COMPUTER

Title: Ultra I/O Controller LPC47N254

Size	Document Number	Rev
	JMS	1C

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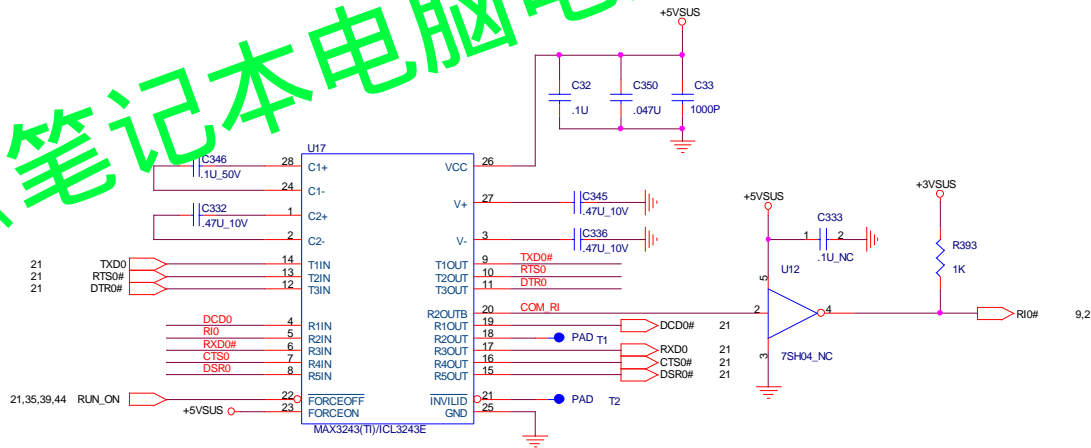
QUANTA COMPUTER

Title: Ultra I/O Controller LPC47N254(GPIO/KB/MISC/FLASH)

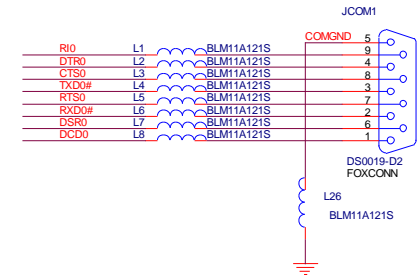
Size: Document Number JMS Rev 2A

Date: Monday, October 06, 2003 Sheet 22 of 54

《笔记本电脑电路分析与故障诊断》



If MAX3243 pin 22 tied to RUN_ON, then it can not support Ring Out

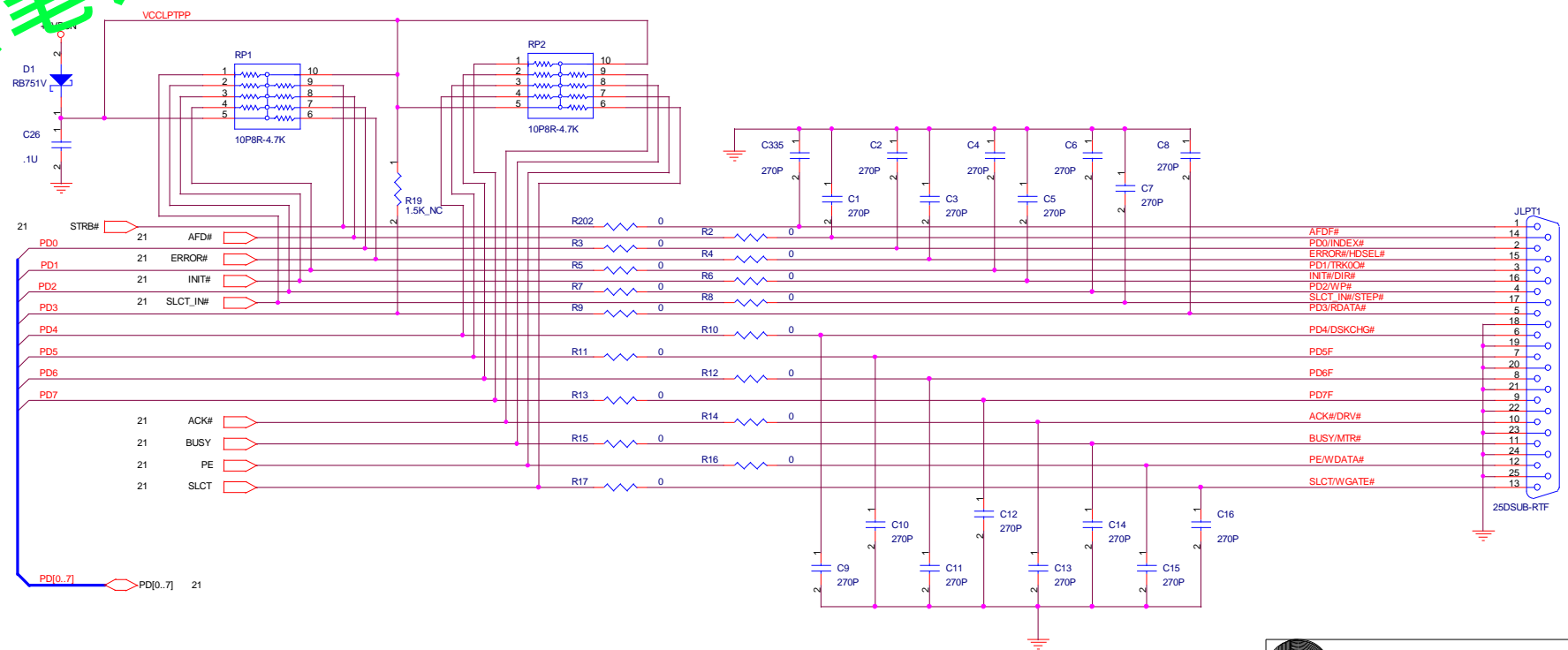


Place these beads to JCOM1 as close as possible



Title		SERIAL PORT	
Size	Document Number	Rev	
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《笔记本电脑电路分析与故障诊断》



QUANTA COMPUTER

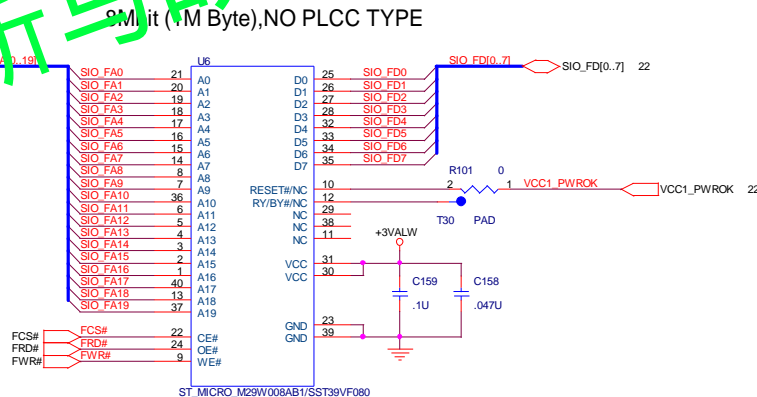
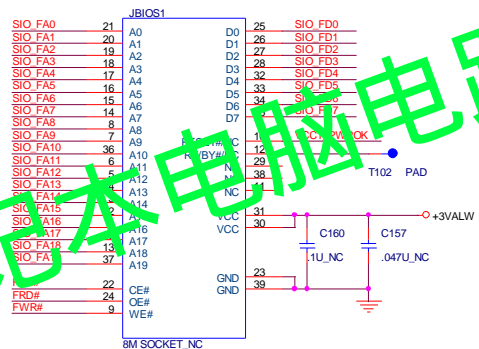
Title: PARALLEL CONN.

Size	Document Number	Rev
	JMS	1C

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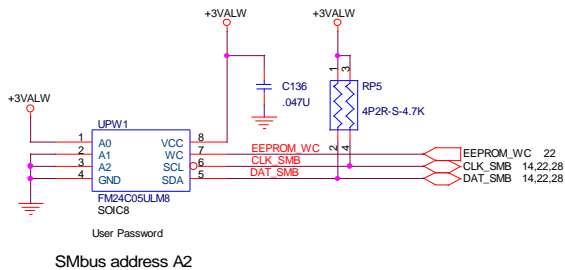
DA0JM2MBCA1

《笔记本电脑电路分析与故障诊断》



SST :Pin10,12 are NC

- 1.MAX6326_UR29 has >100ms reset timing.So we can tie its reset# pin to +3VALW directly.
- 2.SIO has internal 20 mS delay of VCC1_PWROK



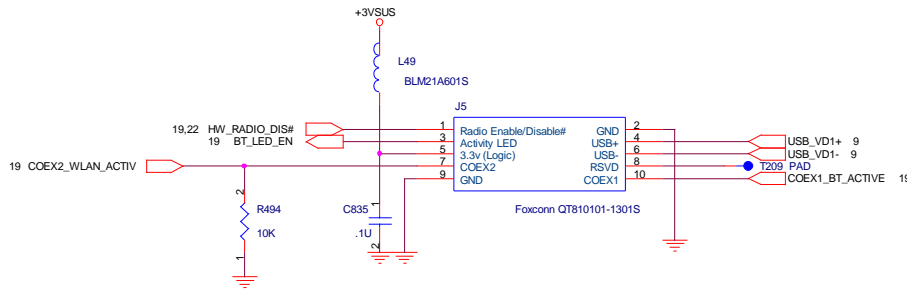
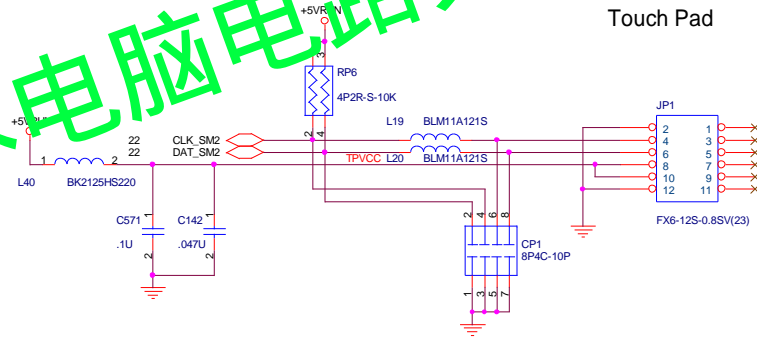
QUANTA COMPUTER

Title: FLASH

Size	Document Number	Rev
	JMS	1C

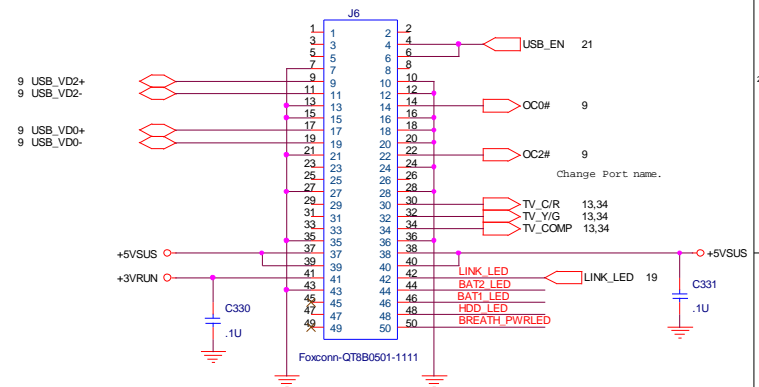
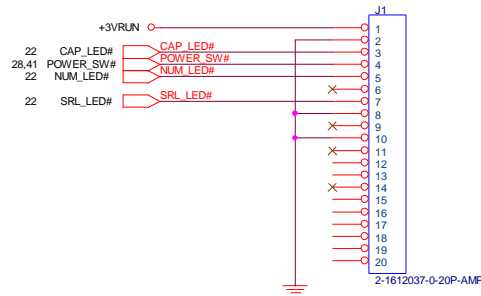
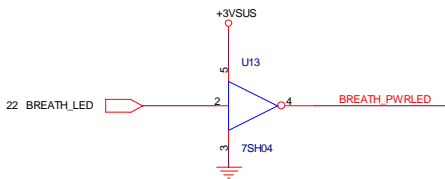
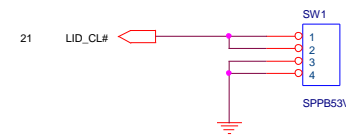
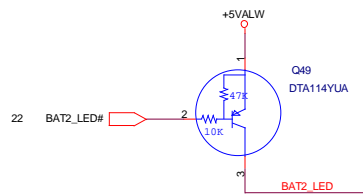
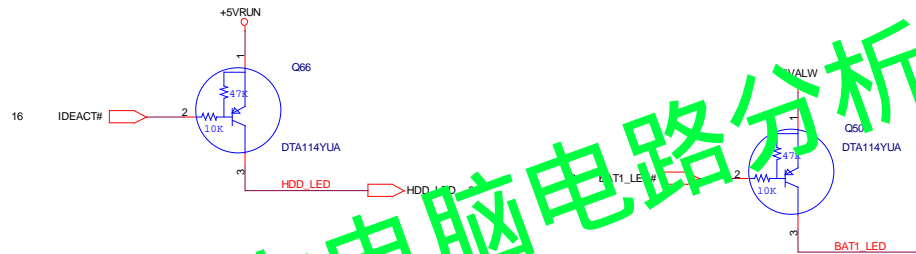
Date: Monday, October 06, 2003 Sheet 25 of 54

《笔记本电脑电路分析与故障诊断》



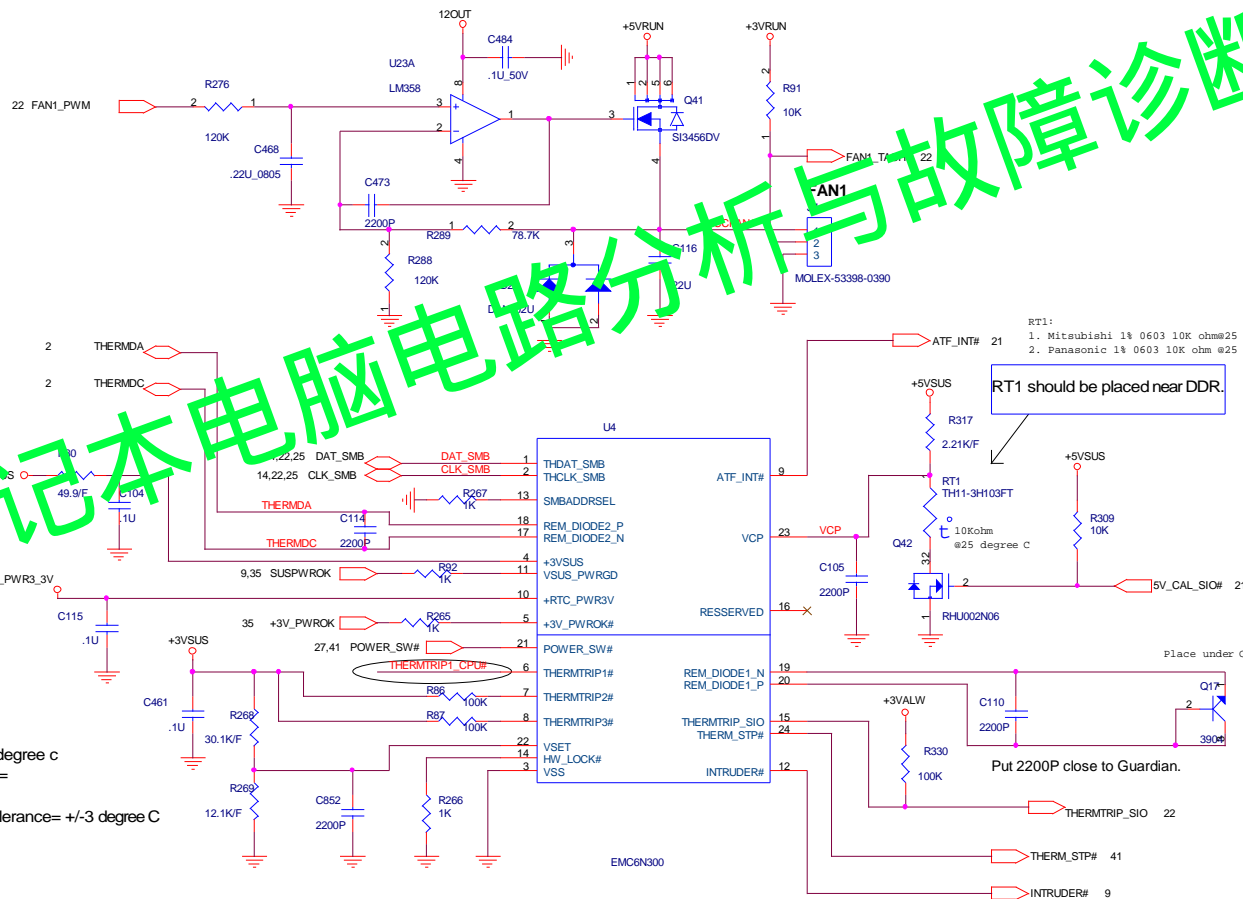
Title		TOUCH PAD & BULE TOOTH
Size	Document Number	Rev
	JMS	1C
Date:	Monday, October 06, 2003	Sheet 26 of 54

《笔记本电脑电路分析与故障诊断》

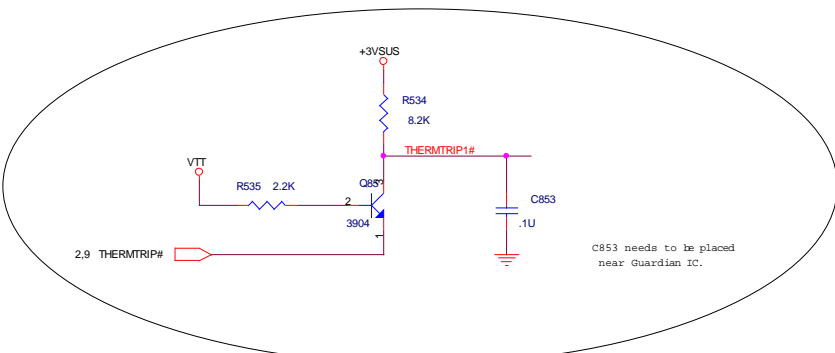


Title		SWITCH & LED	
Size	Document Number	Rev	
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Notes:
 $V_{set} = (T_p - 75) / 16$
 Where $T_p = 75$ to 106 degree C
 Set trip point = 90 degree C
 $V_{set} = (90 - 75) / 16 = 0.9375$ V
 Guardian temp-tolerance = ± 3 degree C

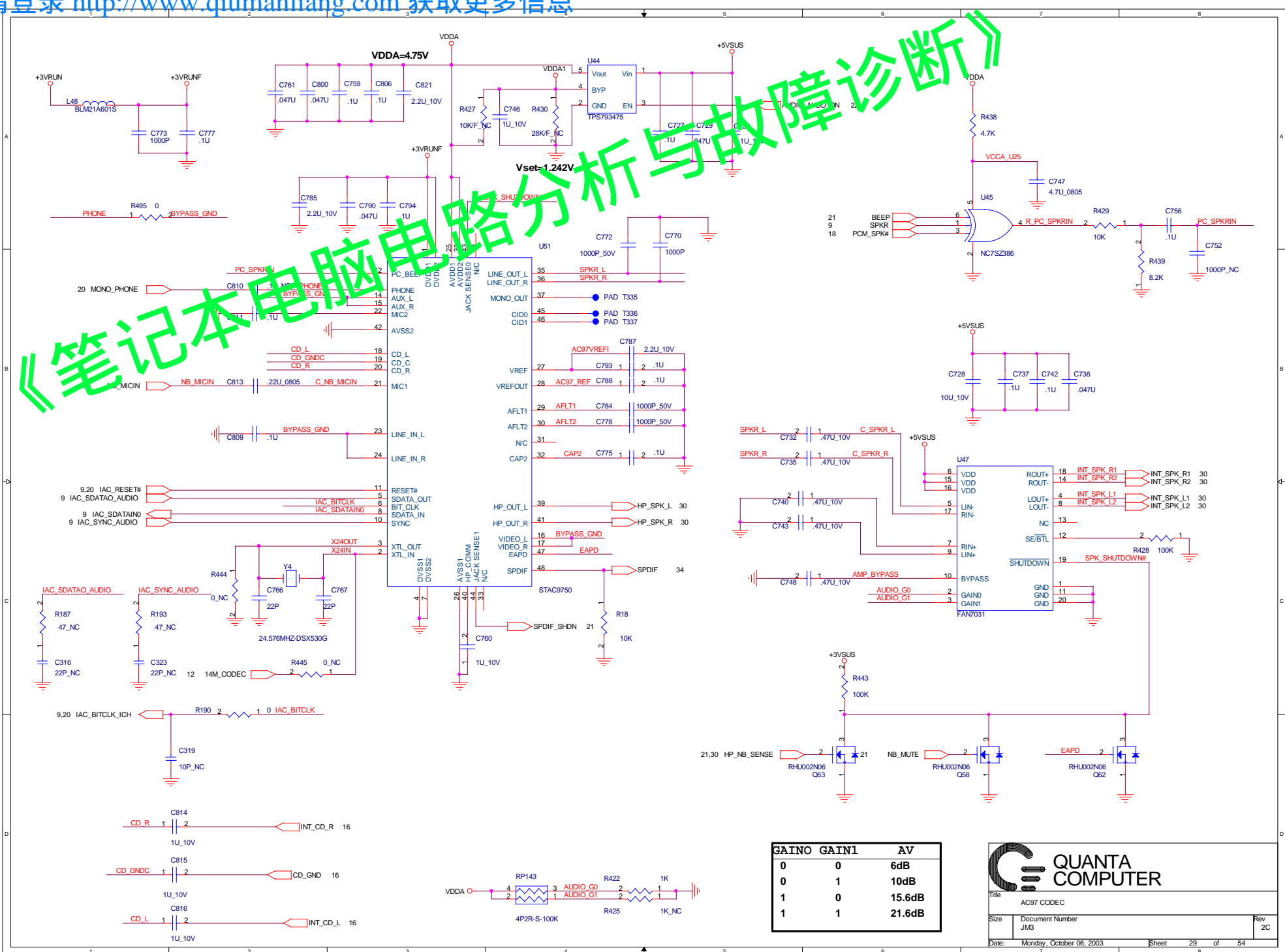


QUANTA COMPUTER

Title: FAN & THERMAL

Size: Document Number JMS Rev 1C

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《笔记本电脑电路分析与故障诊断》

GAIN	GAIN1	AV
0	0	6dB
0	1	10dB
1	0	15.6dB
1	1	21.6dB

QUANTA COMPUTER

Title: AC97 CODEC

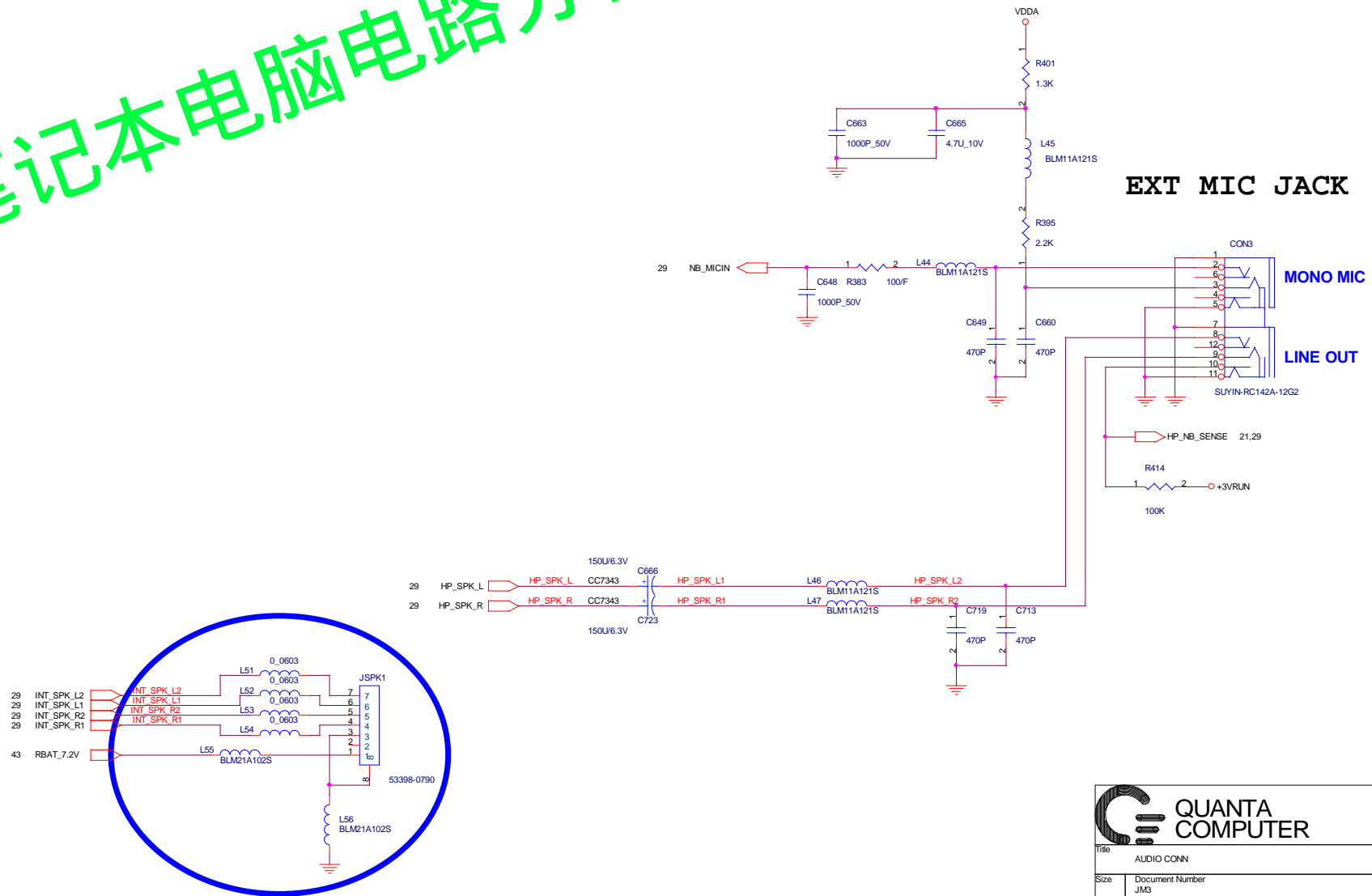
Size: Document Number JMS

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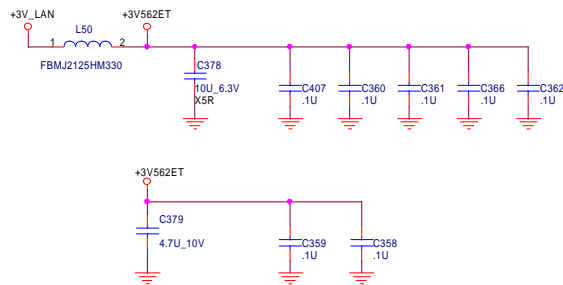
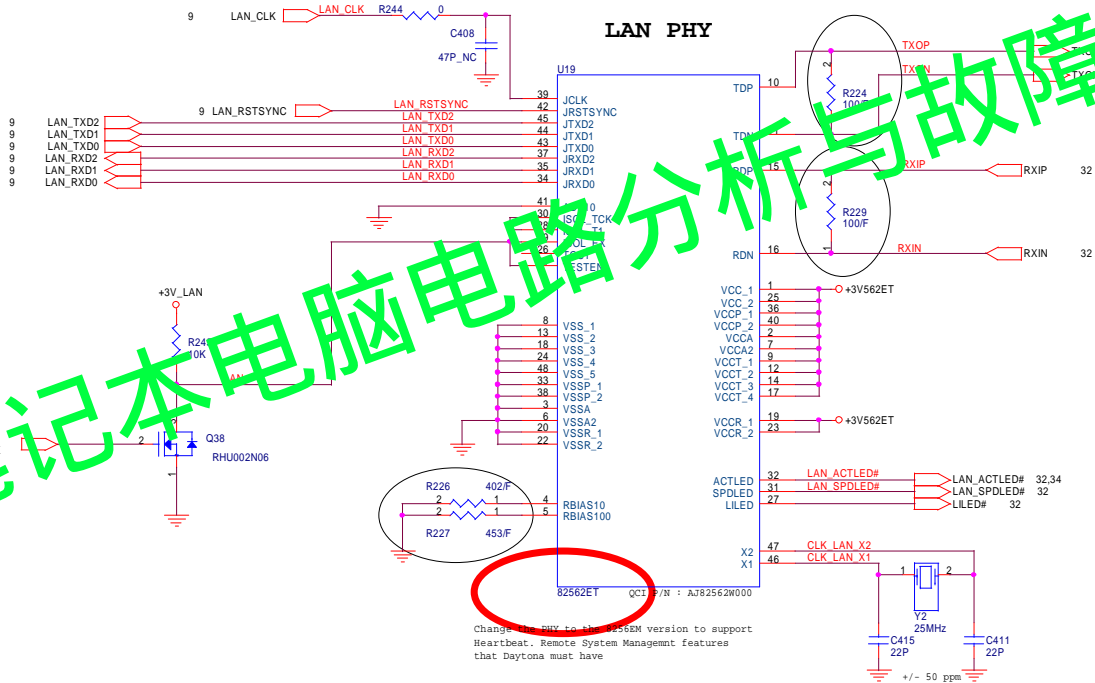
QUANTA COMPUTER


Title: AUDIO CONN

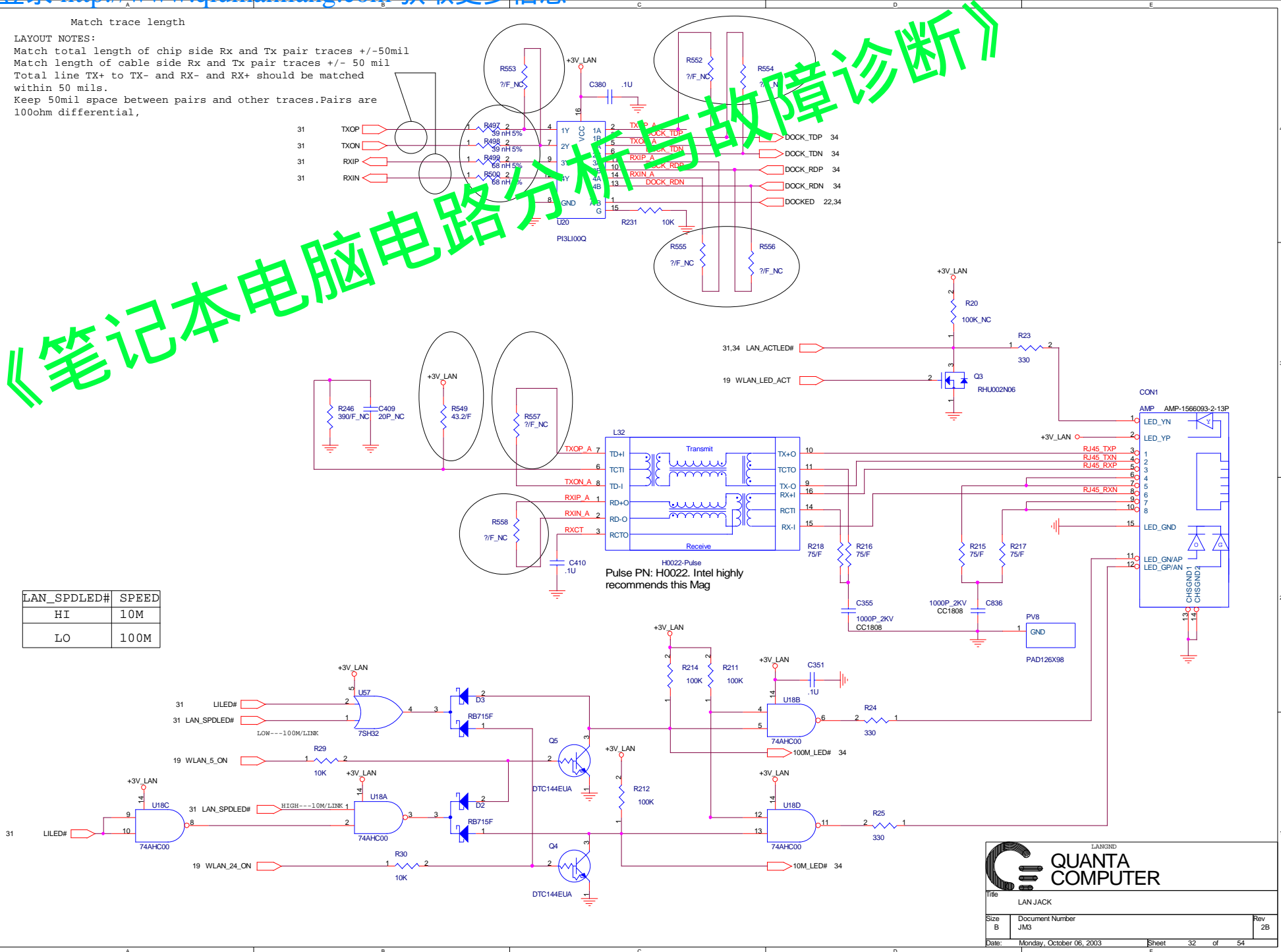
Size	Document Number	Rev
	JMS	1C

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《笔记本电脑电路分析与故障诊断》

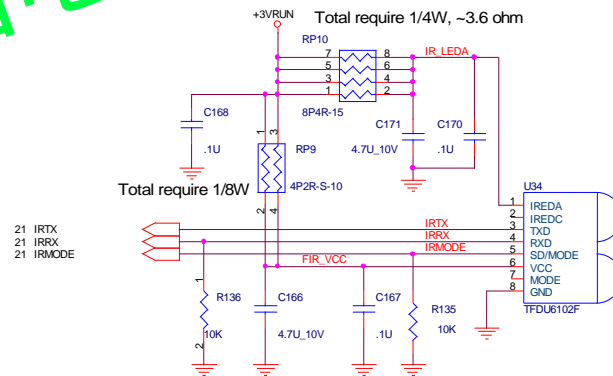



 QUANTA COMPUTER		
Title: LAN INTERFACE		
Size: Custom	Document Number: JM3	Rev: 2B
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《笔记本电脑电路分析与故障诊断》

《笔记本电脑电路分析与故障诊断》

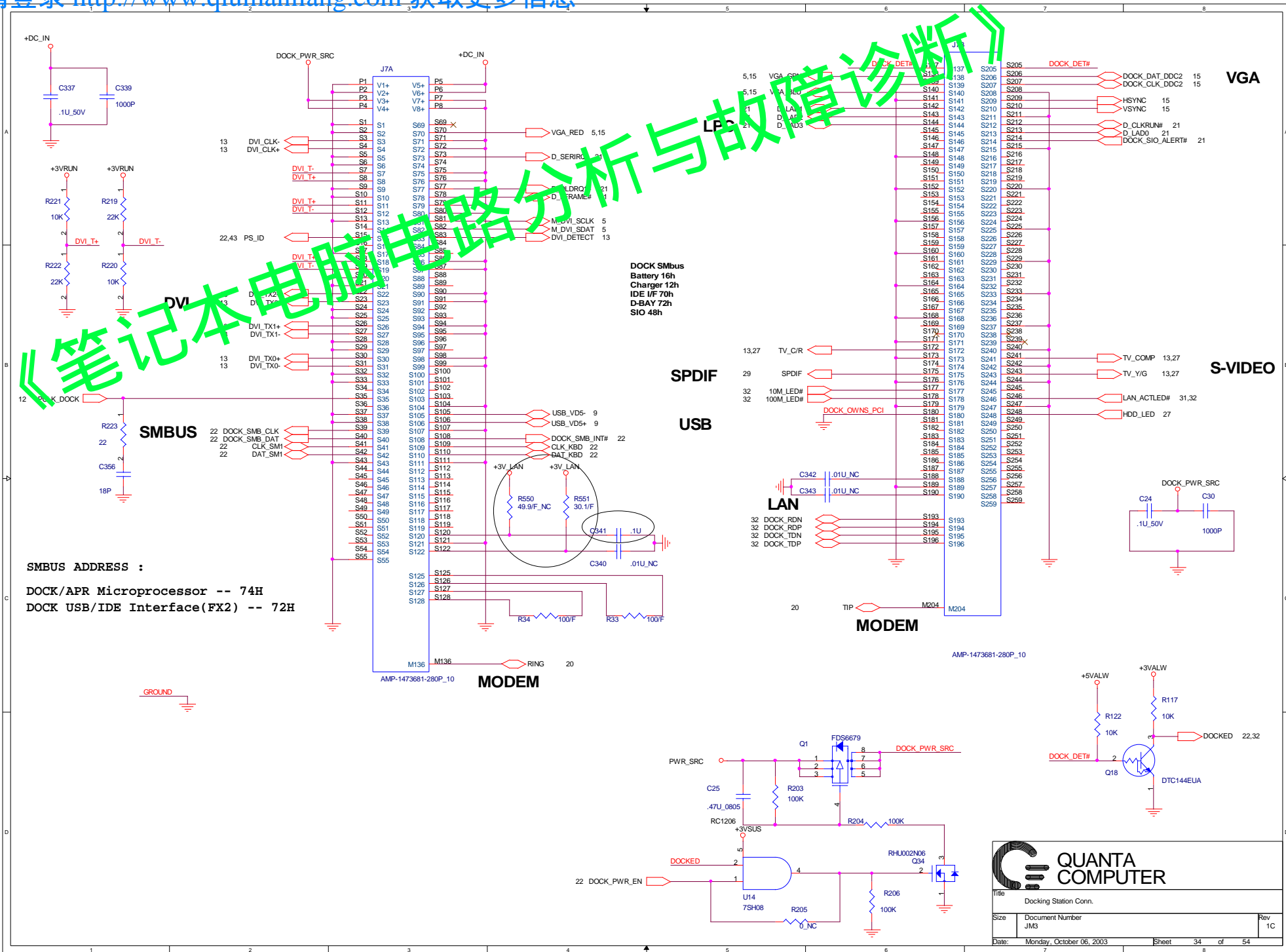


 **QUANTA
COMPUTER**

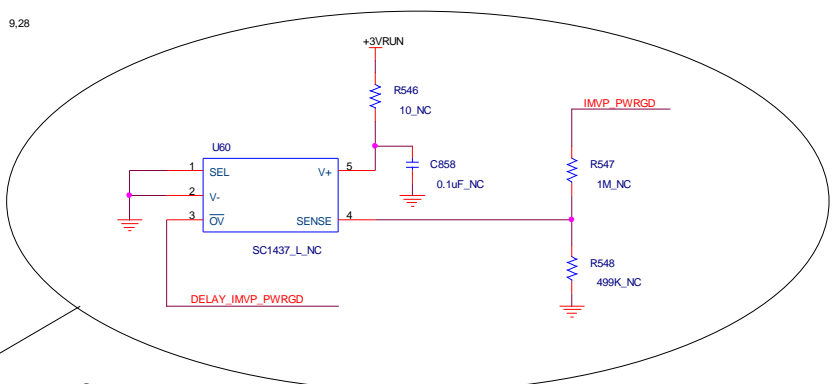
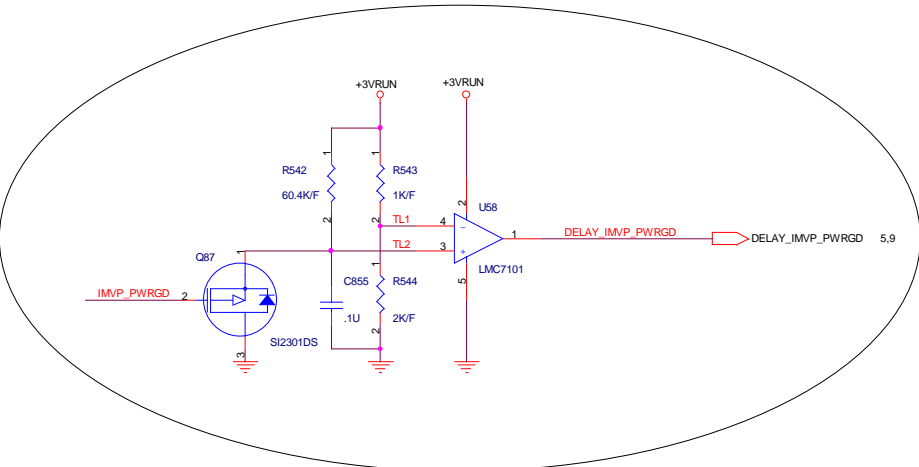
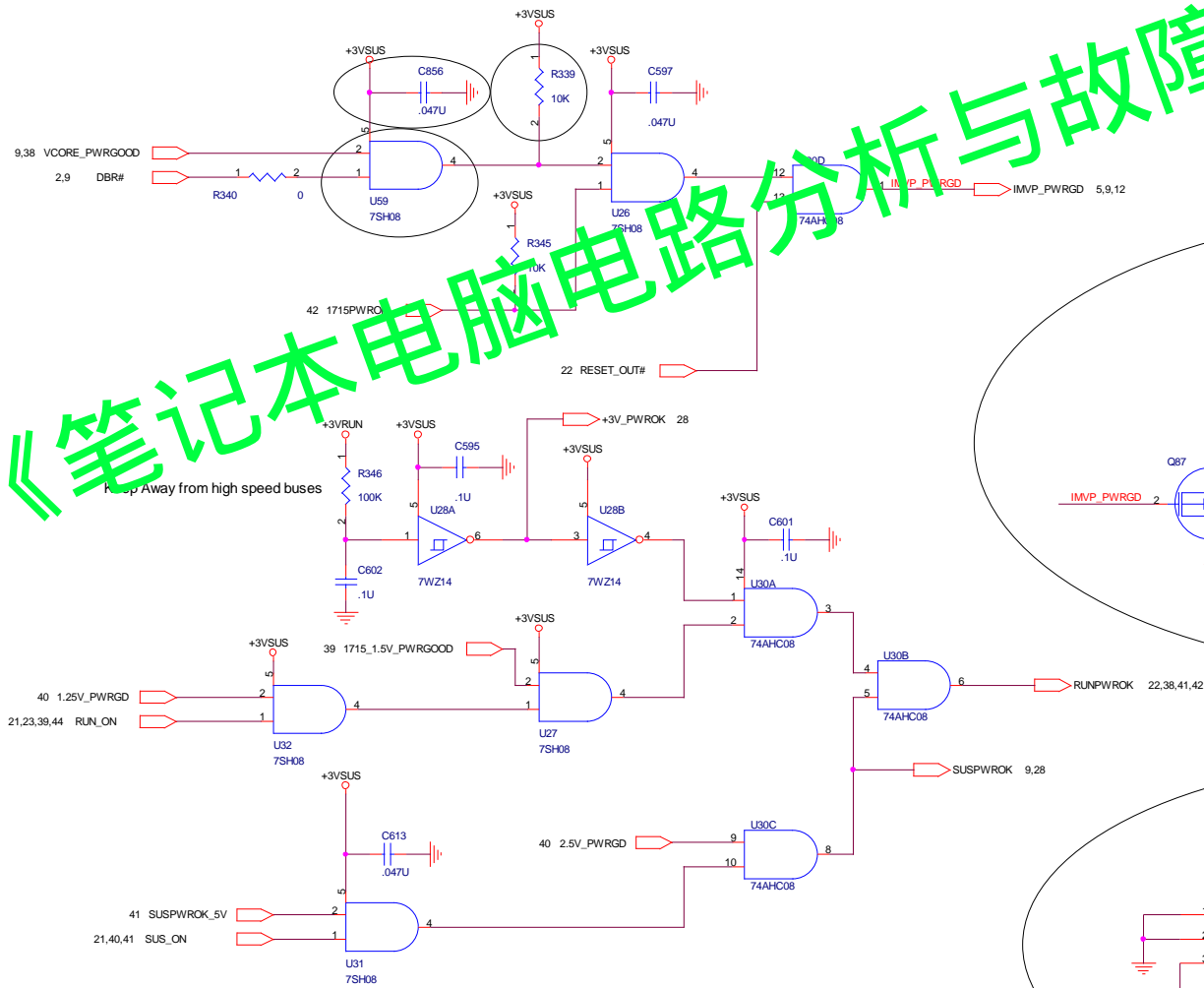
Title: FIR

Size	Document Number JMS	Rev 1C
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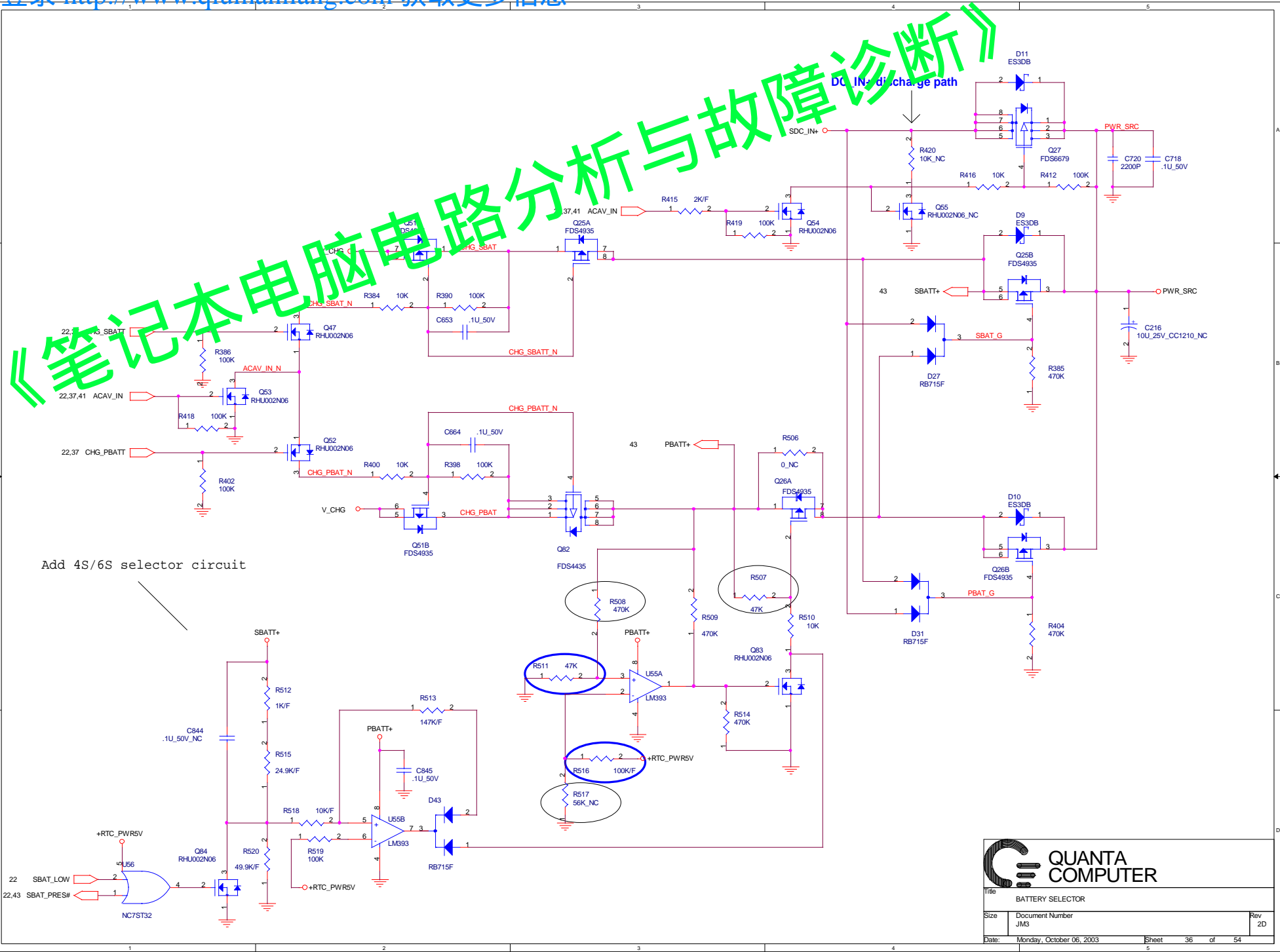
《笔记本电脑电路分析与故障诊断》

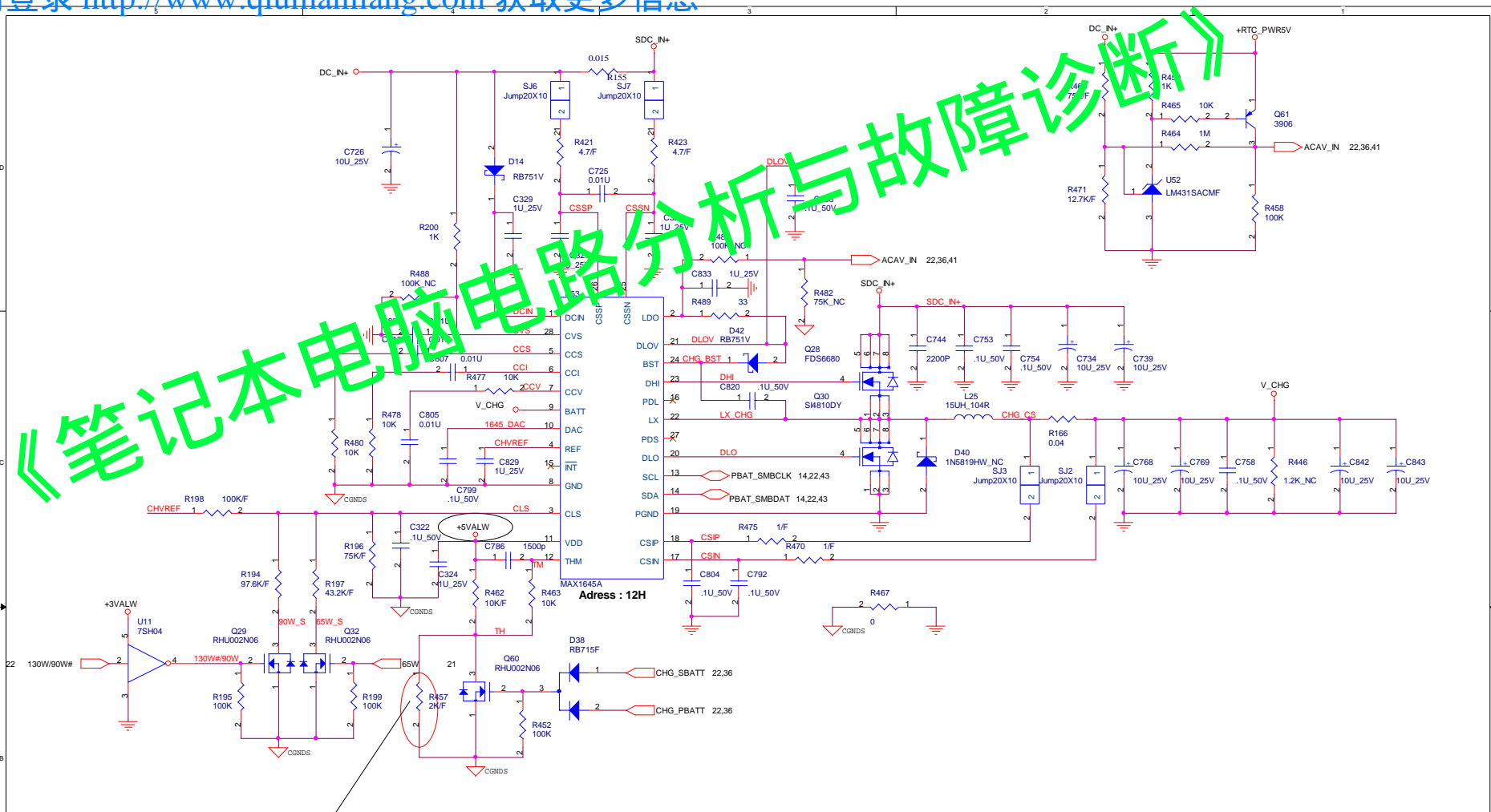


Delay IMVP PWRGR 0~40mS for cost down



Title			POWER GOOD
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The value as Bonid, will check with Maxim again.

	65W (2.93A)	90W (4.0A)	130W (5.8A)
65W	H	L	L
130W/90W#	H	L	H

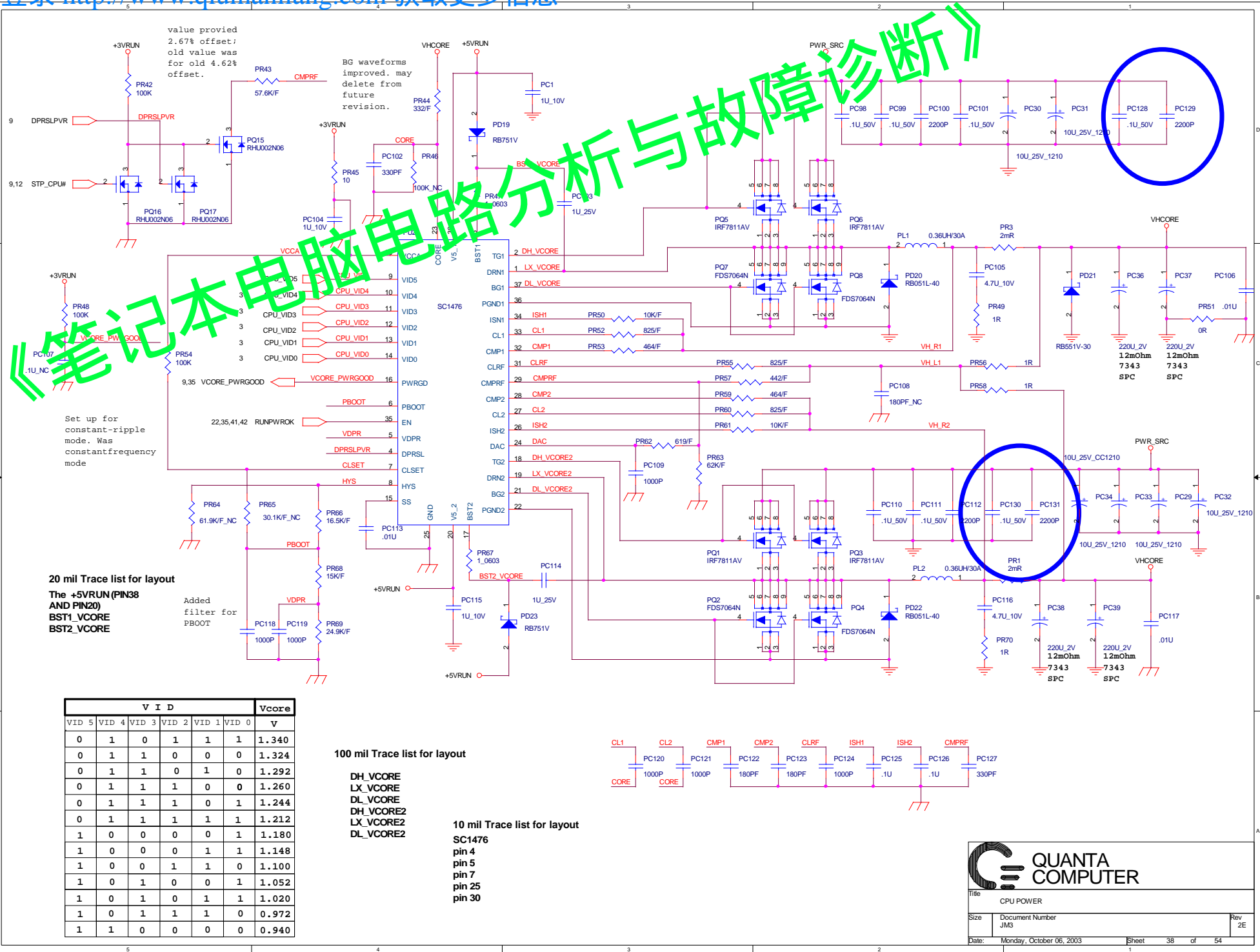
Change to 2.93A

QUANTA COMPUTER

Title: Battery Charger

Size: Document Number JMS Rev 2D

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value provided
2.67% offset;
old value was
for old 4.62%
offset.

BG waveforms
improved. may
delete from
future
revision.

20 mil Trace list for layout
The +5VRUN (PIN38
AND PIN20)
BST1_VCORE
BST2_VCORE

V I D							Vcore
VID 5	VID 4	VID 3	VID 2	VID 1	VID 0	ψ	ψ
0	1	0	1	1	1	1	1.340
0	1	1	0	0	0	0	1.324
0	1	1	0	1	0	0	1.292
0	1	1	1	0	0	0	1.260
0	1	1	1	0	1	1	1.244
0	1	1	1	1	1	1	1.212
1	0	0	0	0	1	1	1.180
1	0	0	0	1	1	1	1.148
1	0	0	1	1	0	0	1.100
1	0	1	0	0	0	1	1.052
1	0	1	0	1	1	1	1.020
1	0	1	1	1	0	0	0.972
1	1	0	0	0	0	0	0.940

100 mil Trace list for layout

DH_VCORE
LX_VCORE
DL_VCORE
DH_VCORE2
LX_VCORE2
DL_VCORE2

10 mil Trace list for layout

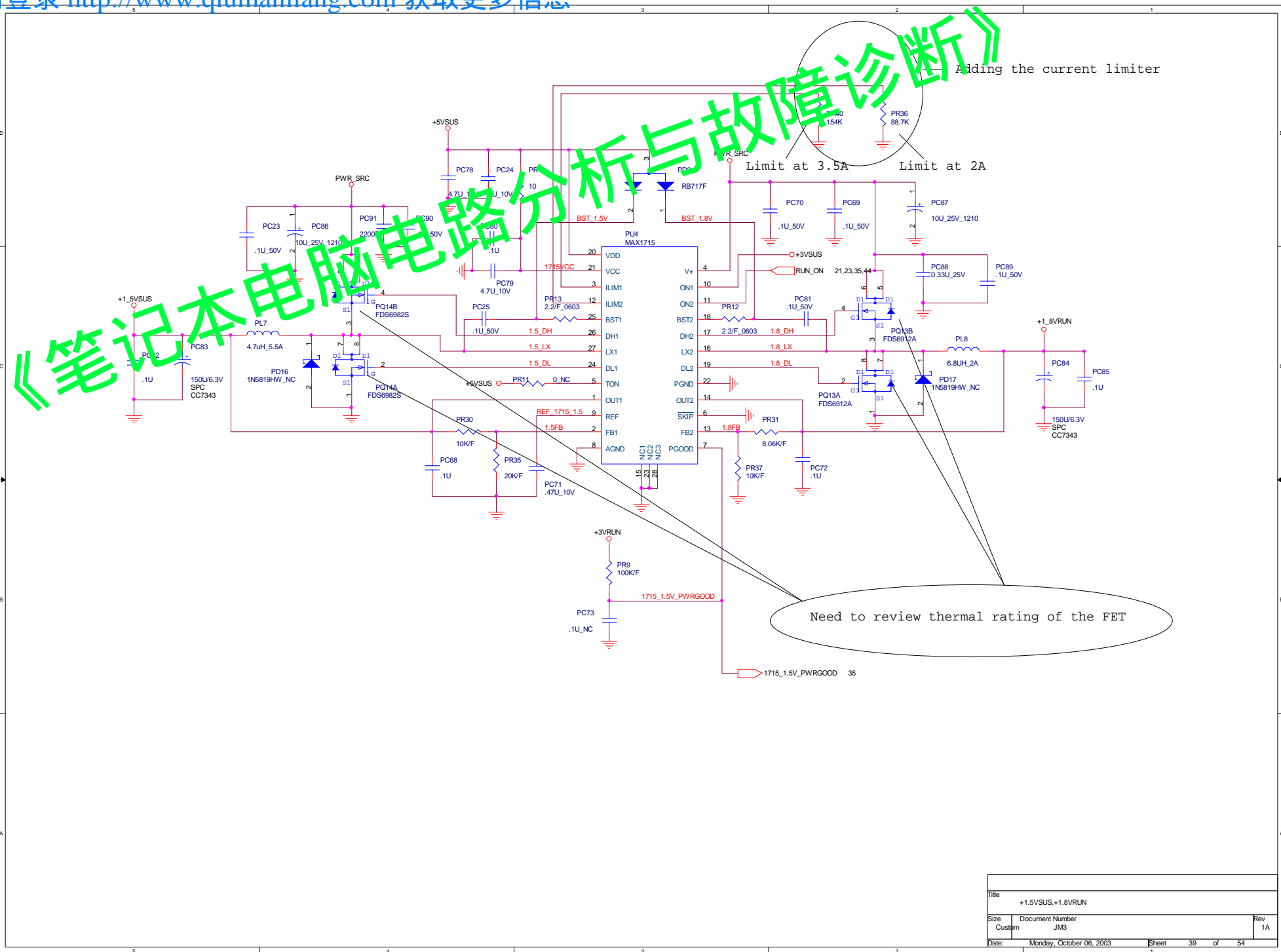
SC1476
pin 4
pin 5
pin 7
pin 25
pin 30

QUANTA COMPUTER

Title: CPU POWER

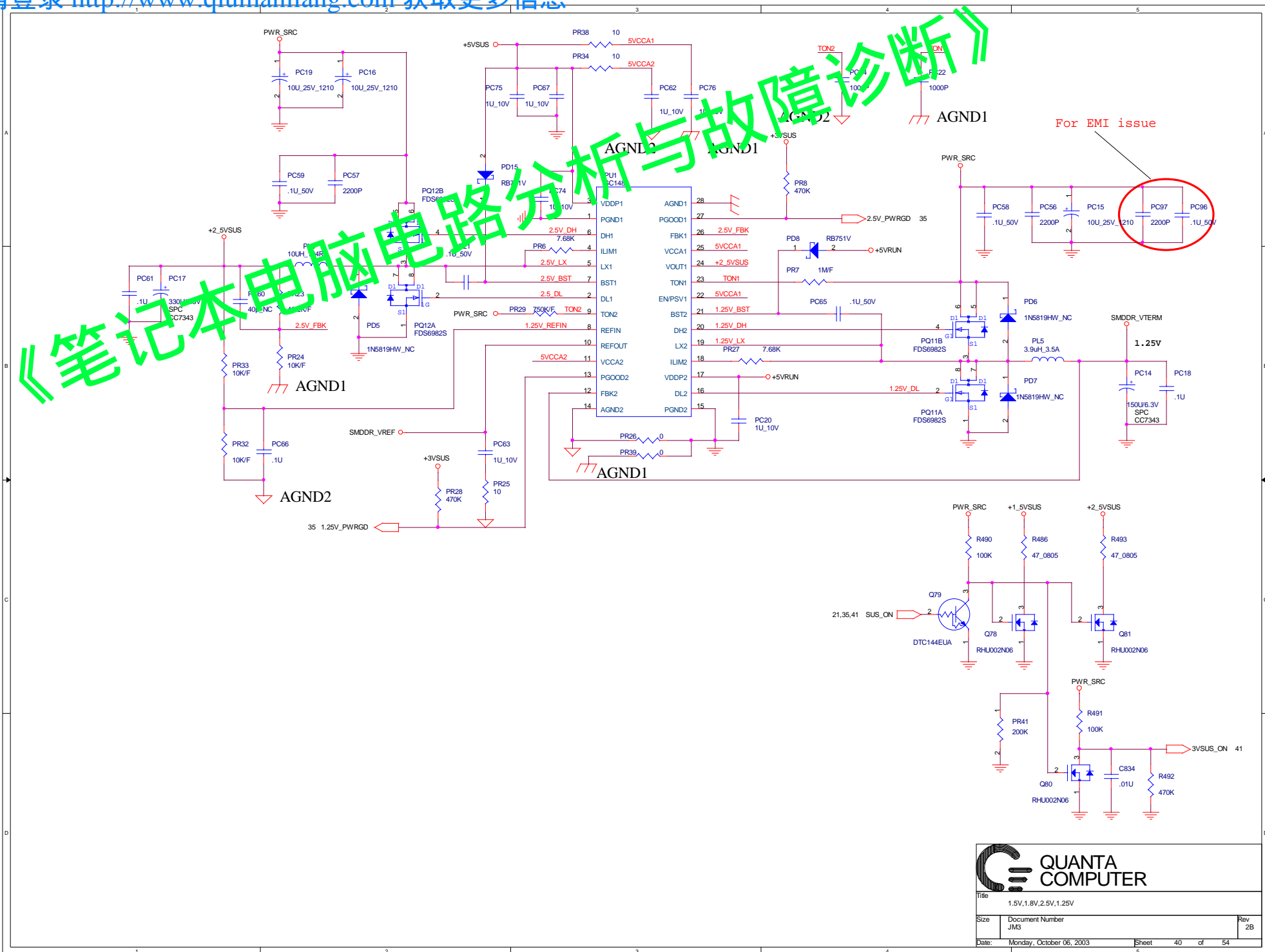
Size: Document Number JMS Rev: 2E

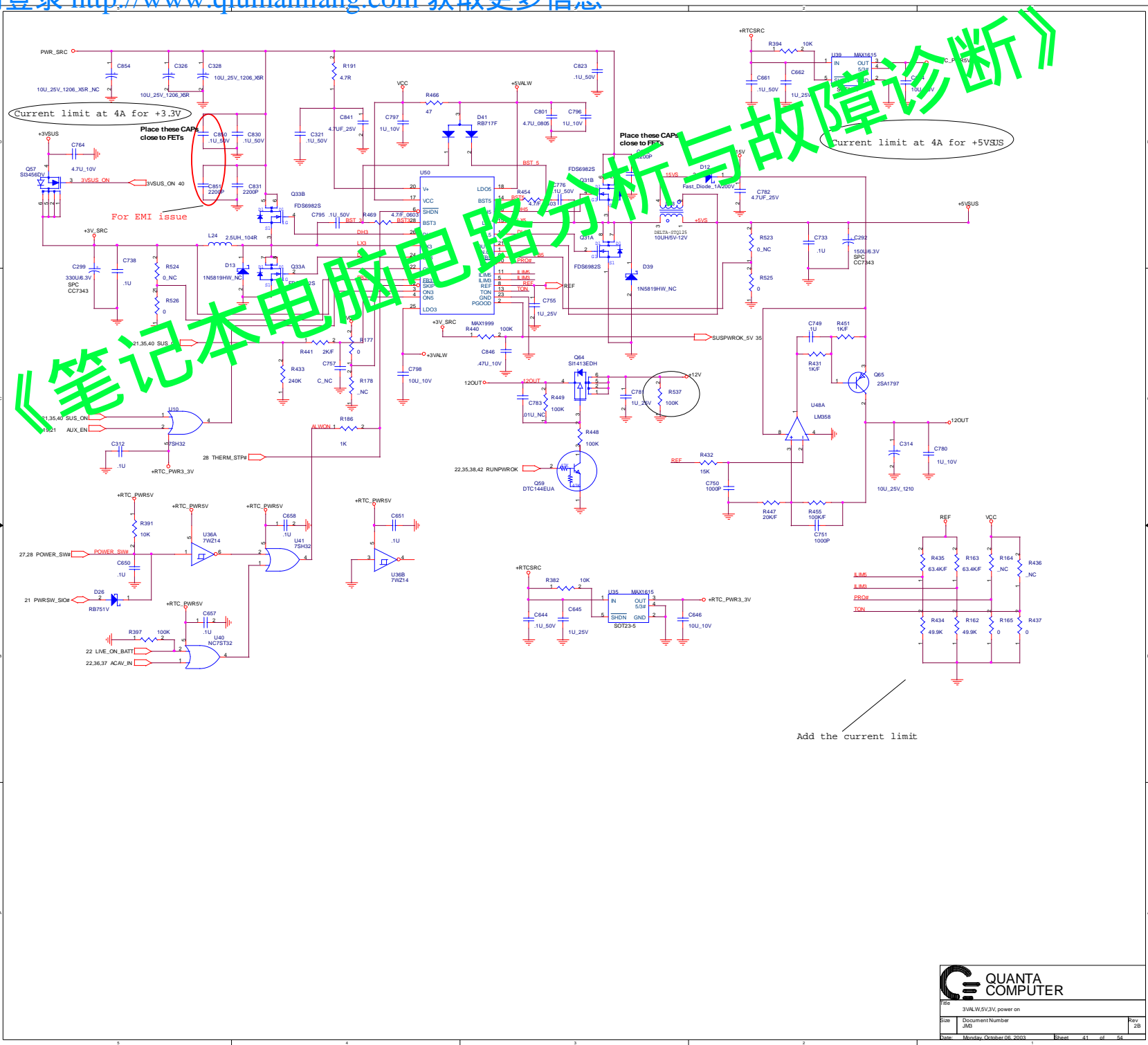
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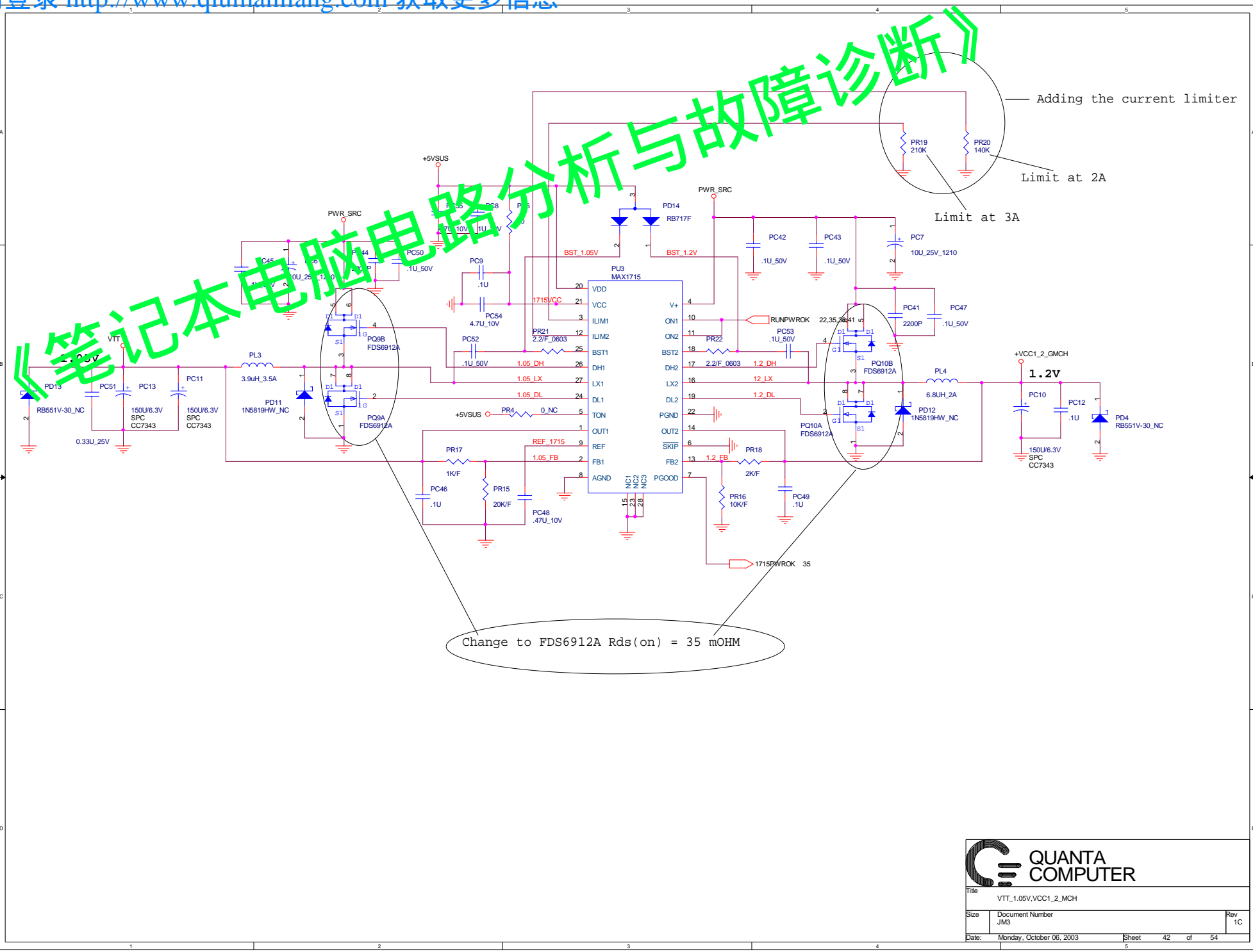


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Title		
+1.5VSUS,+1.8VRUN		
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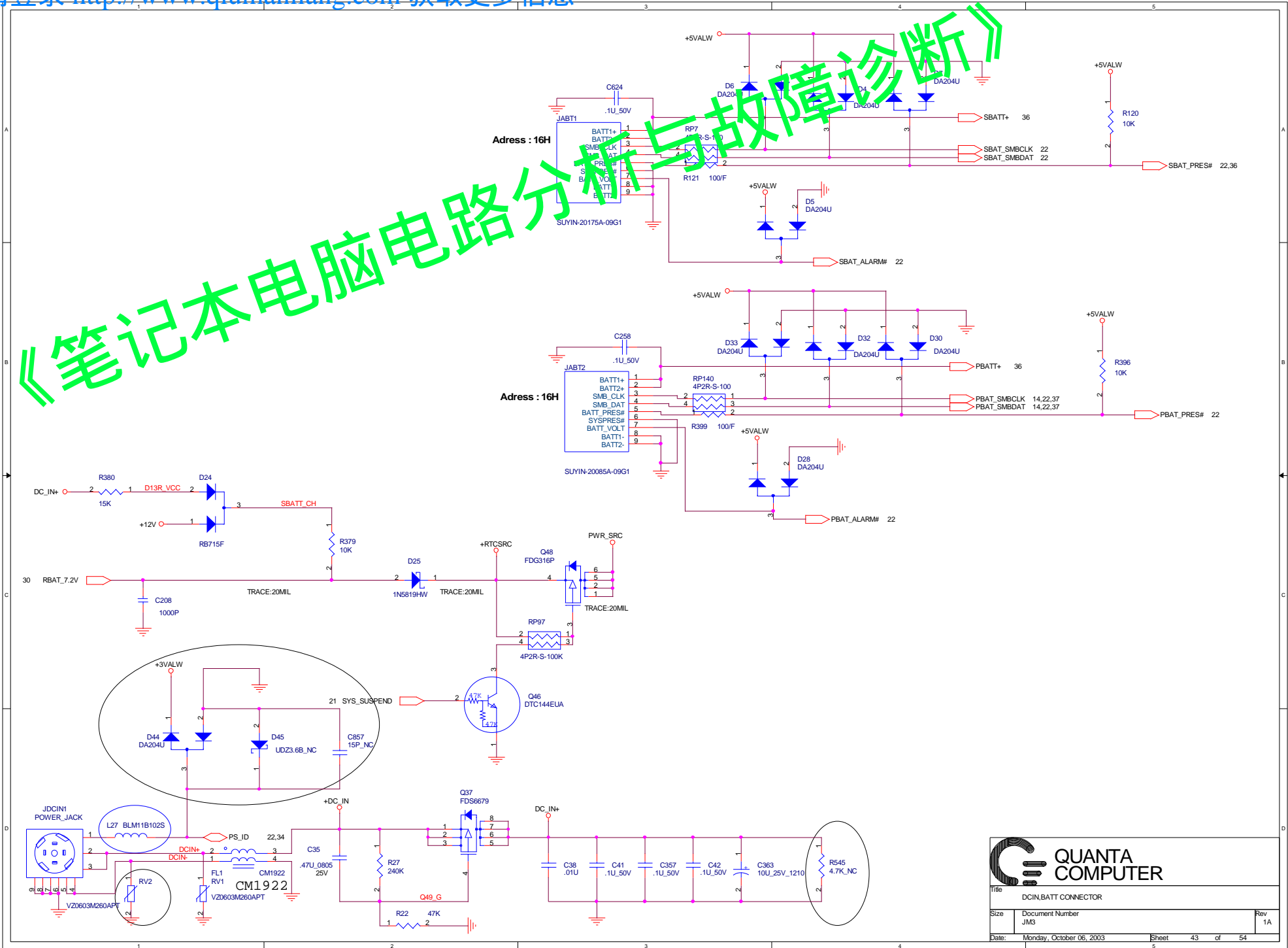




QUANTA COMPUTER

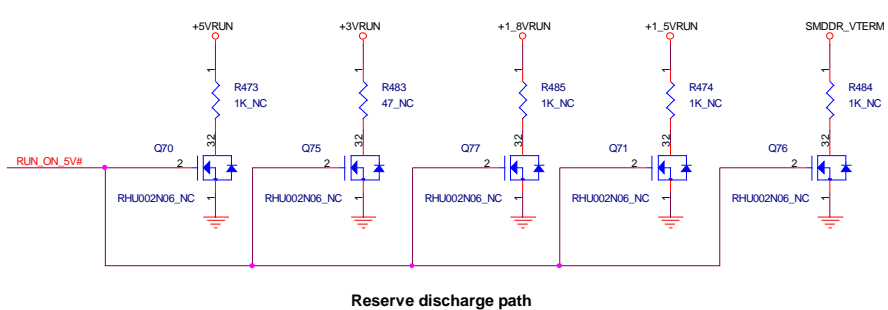
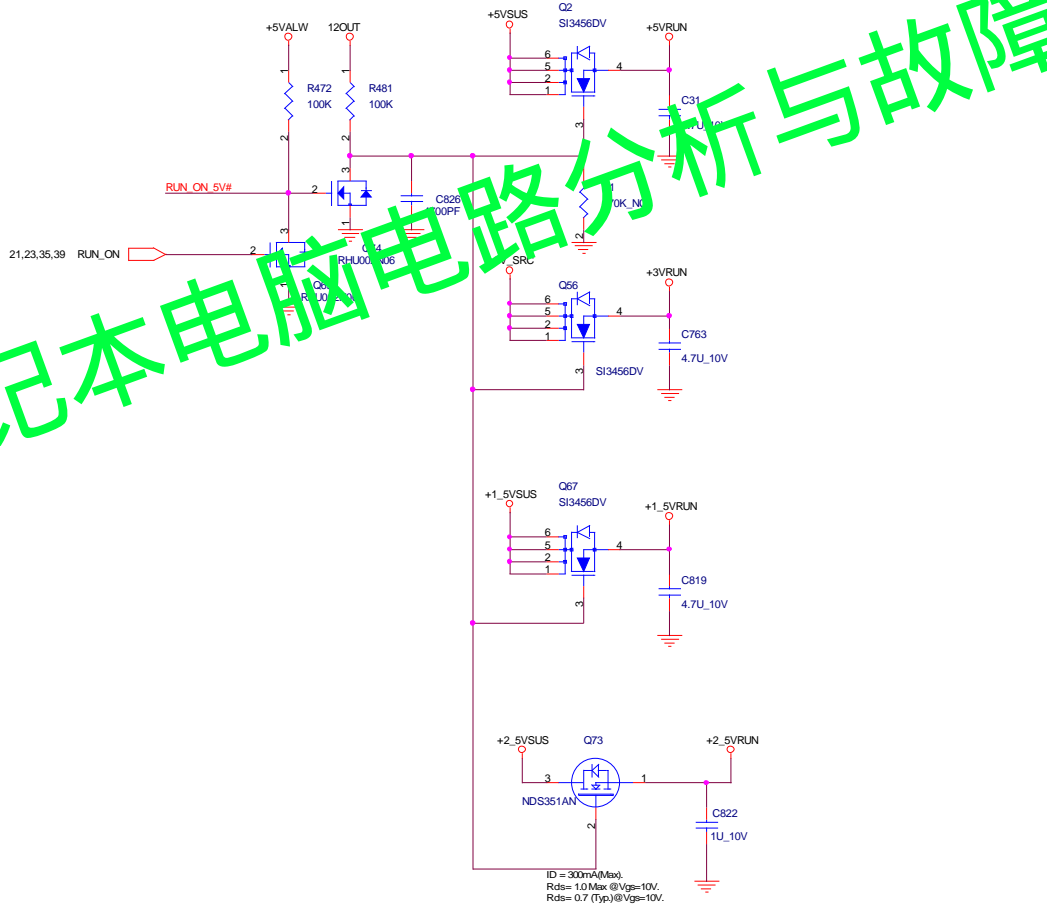
Title		
VTT_1.05V_VCC1_2_MCH		
Size	Document Number	Rev
JM3		1C
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Size: JMS	Document Number: JMS
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Title		RUN POWER SW	
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	JMS	2B	
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