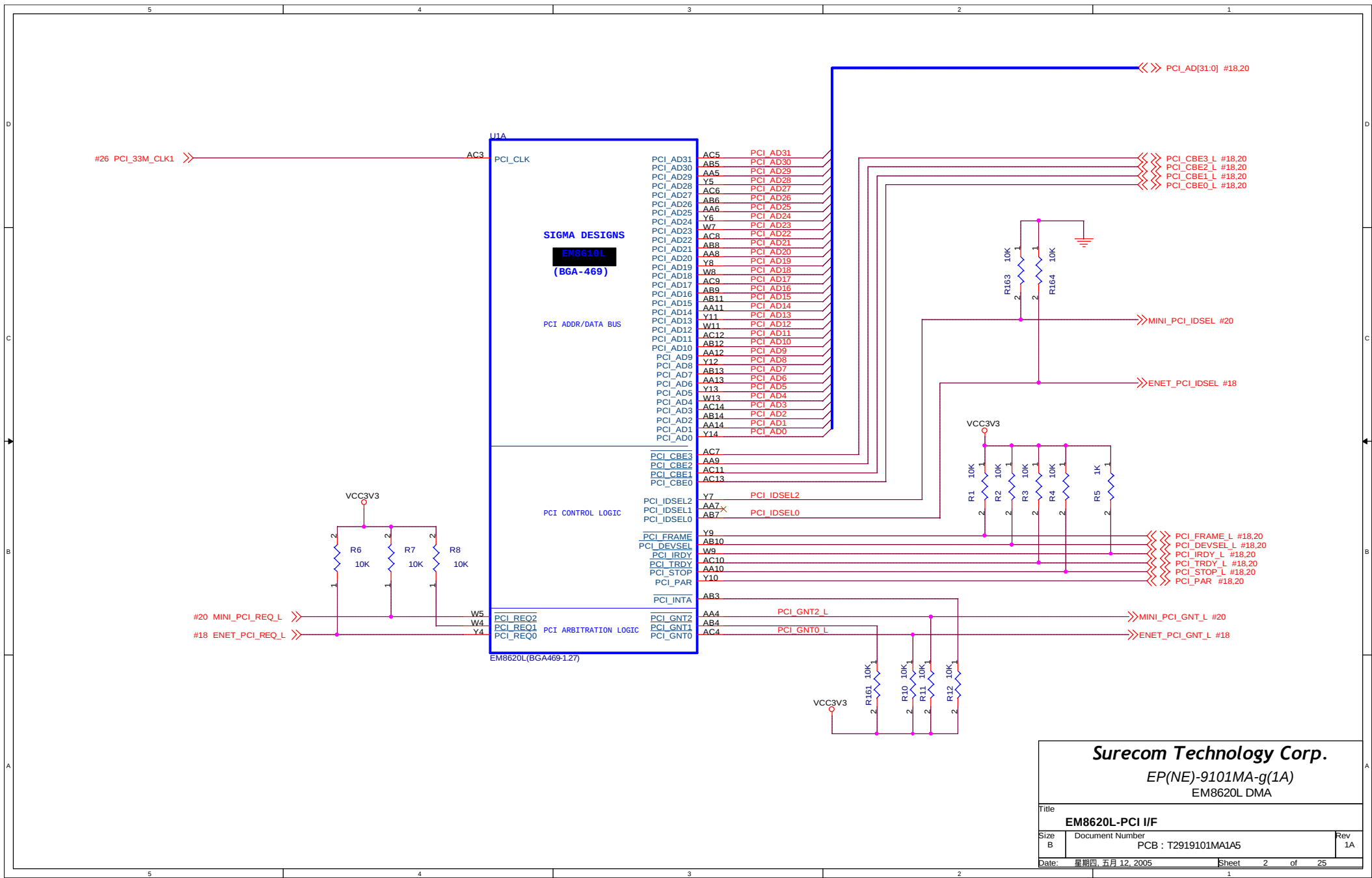
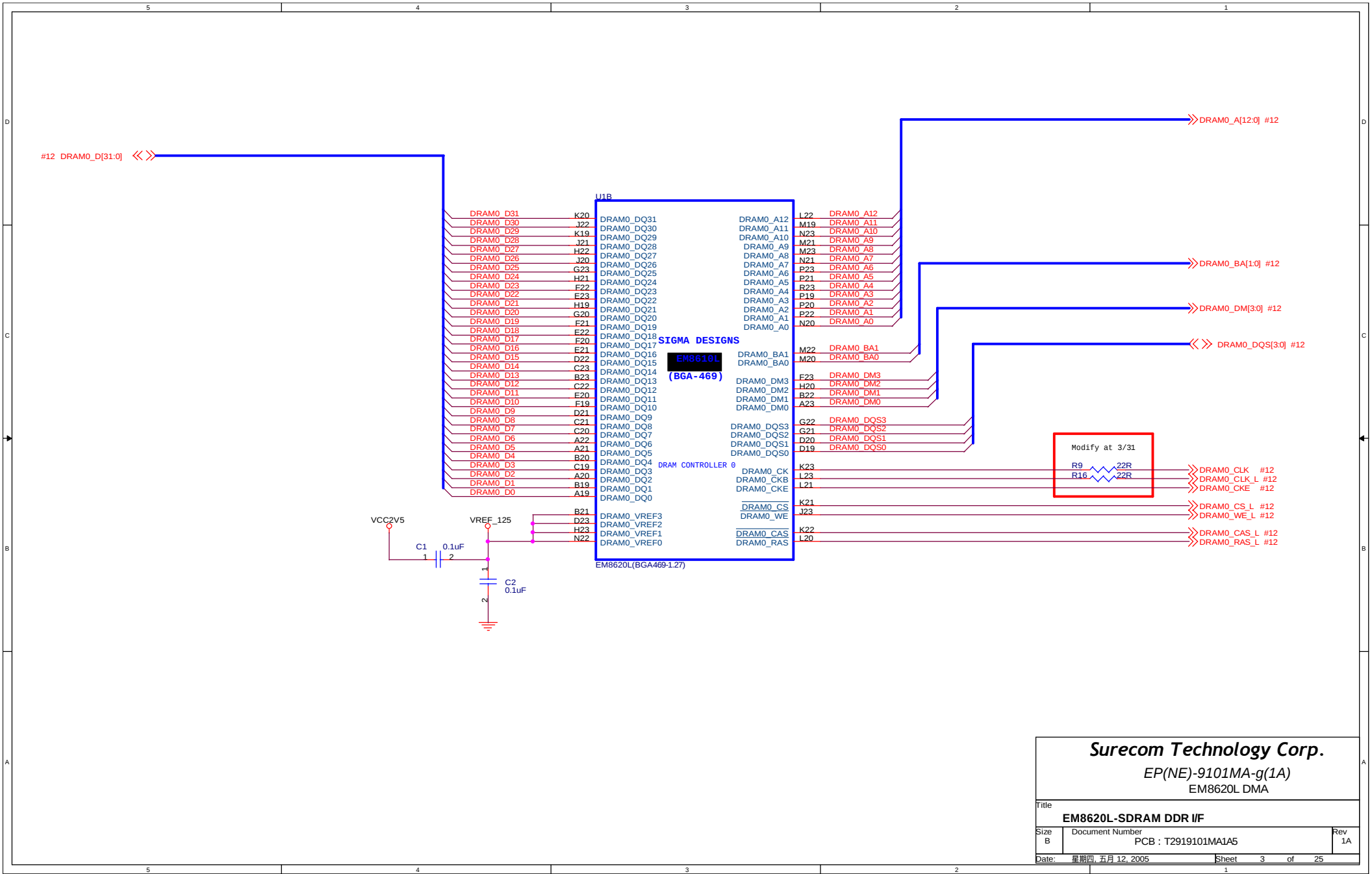




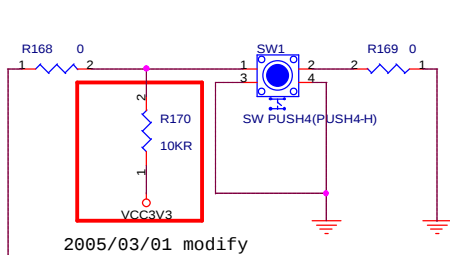
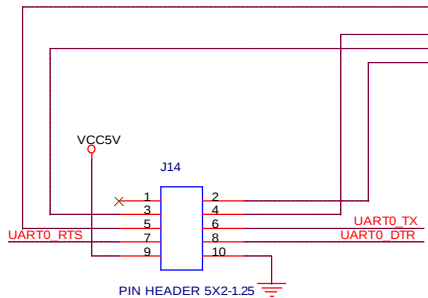
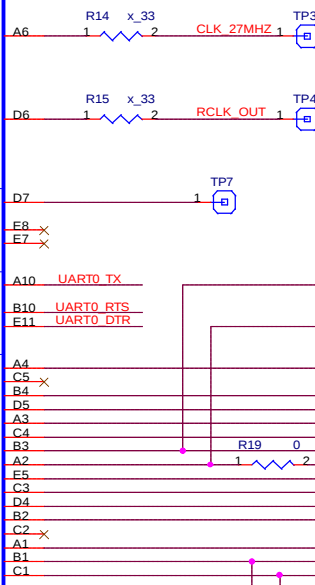
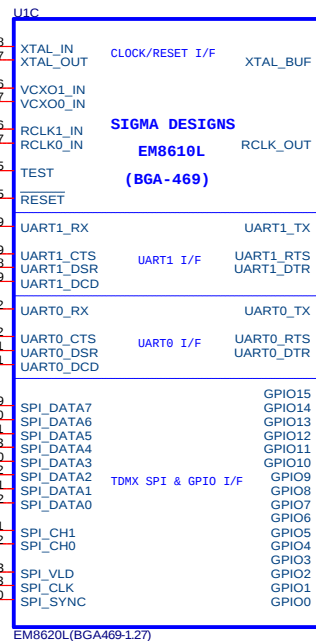
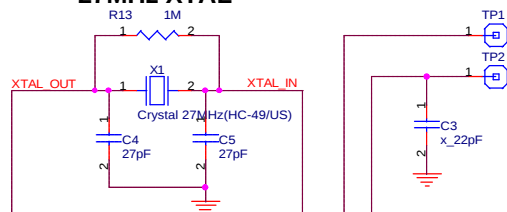


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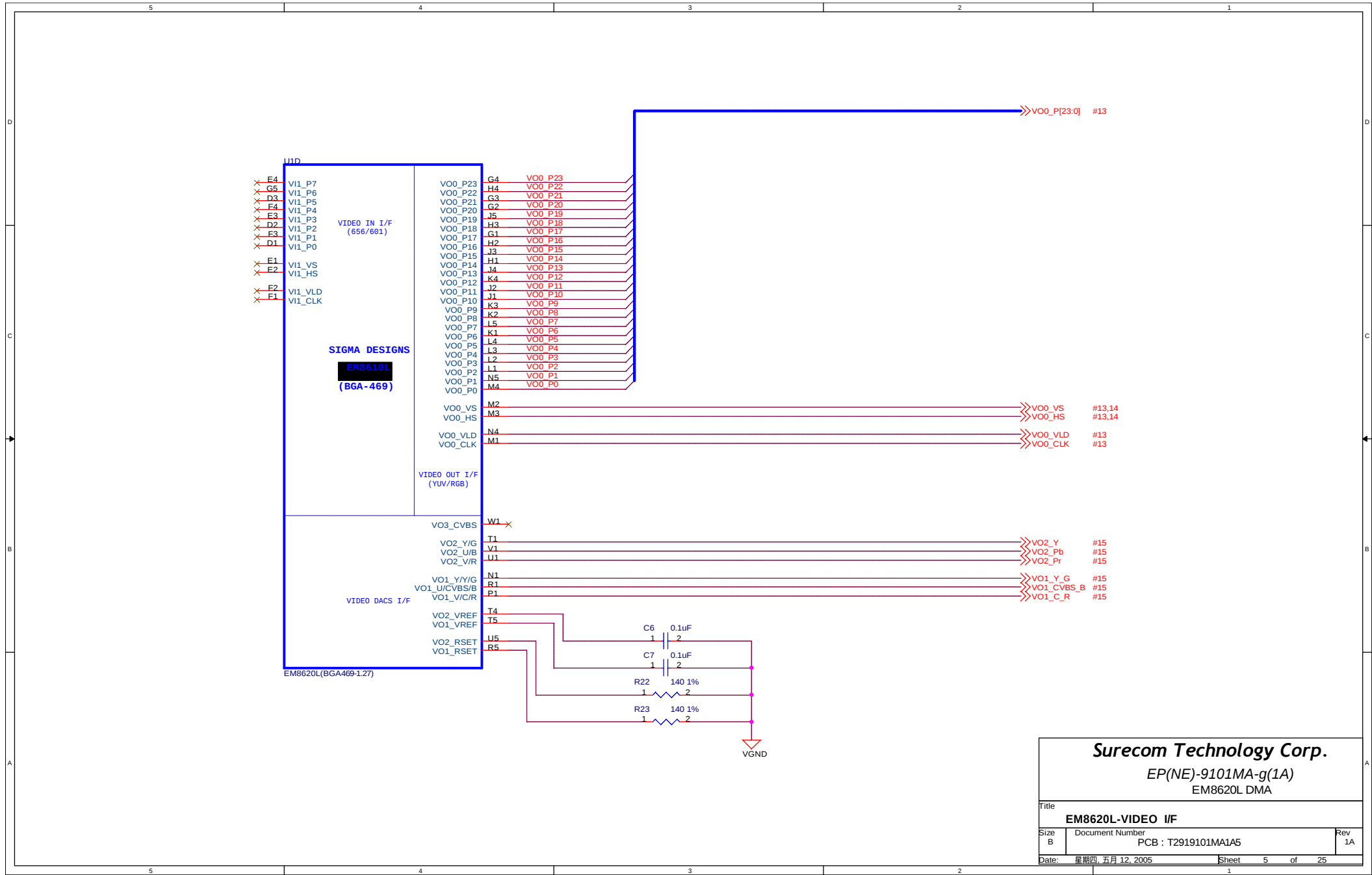
EP(NE)-9101MA-g(1A)
EM8620L DMA

Title			Rev
EM8620L-SDRAM DDR I/F			1A
Size	Document Number		
B	PCB : T2919101MA1A5		
Date:	星期四, 五月 12, 2005	Sheet	3 of 25

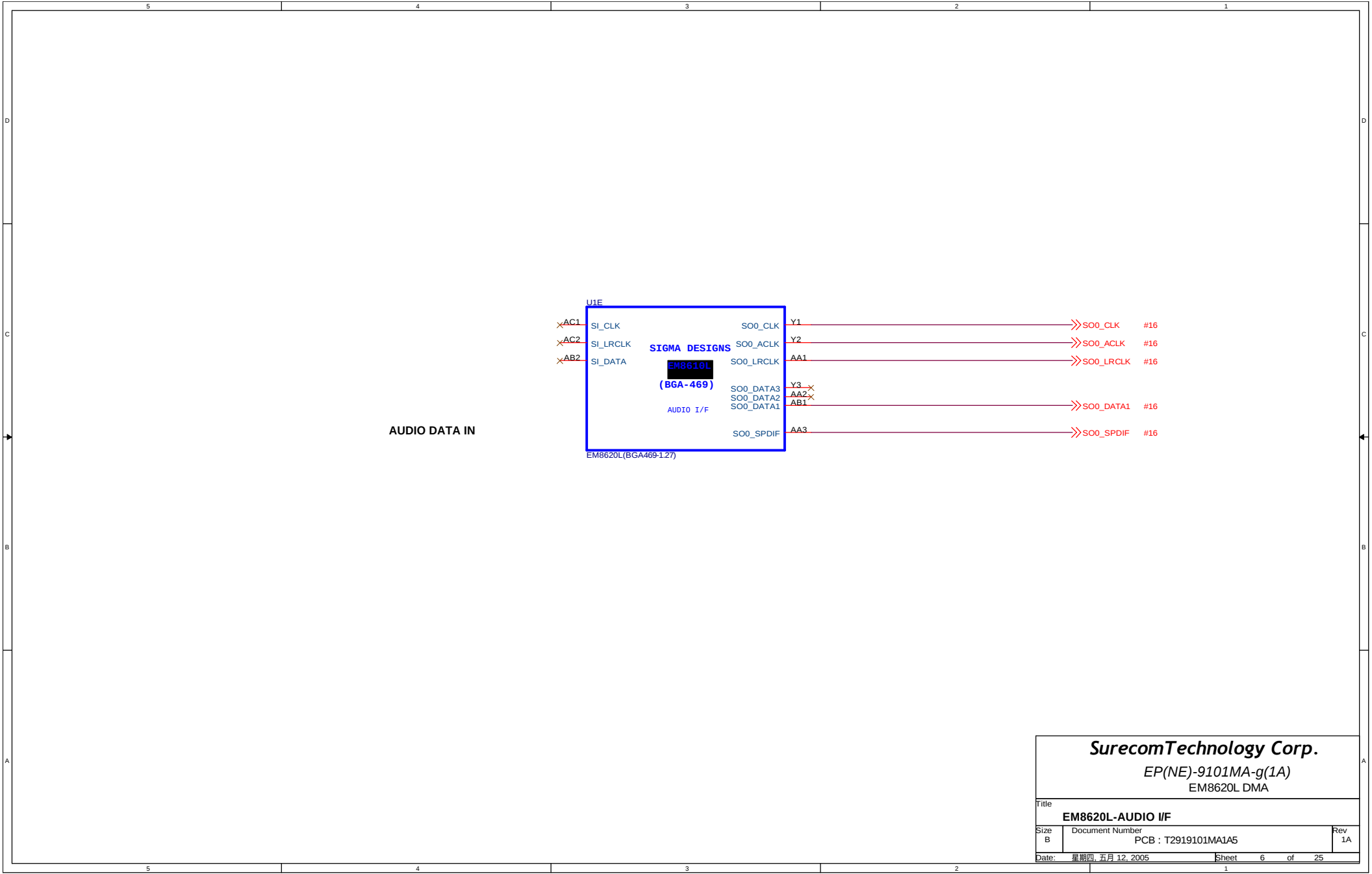
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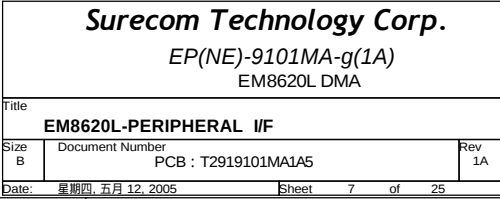


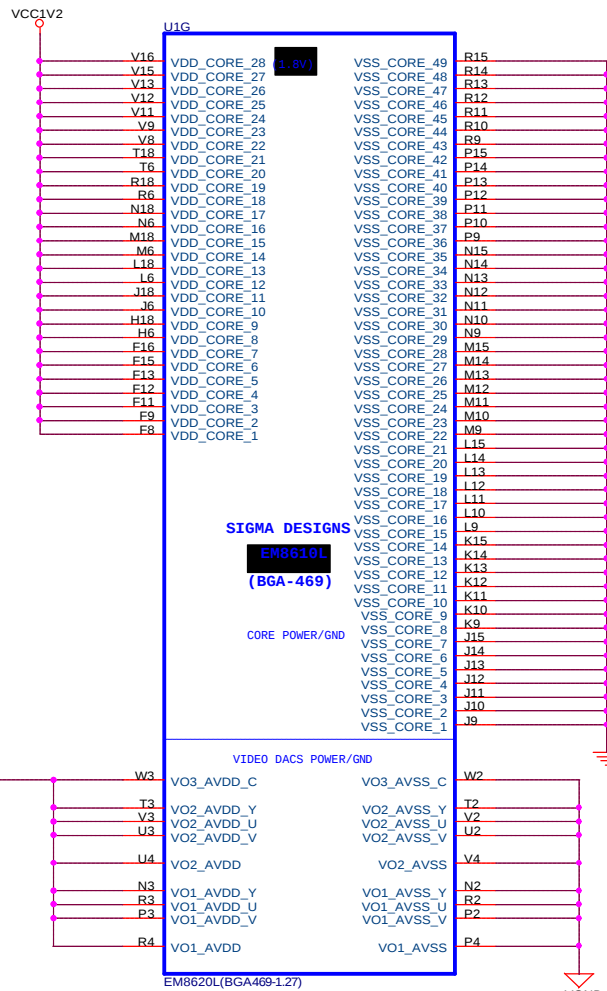
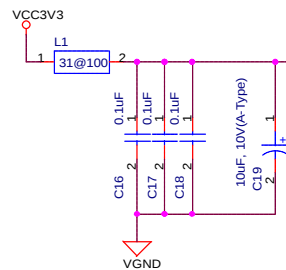
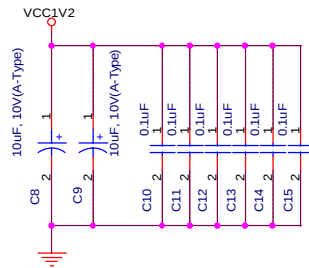
Surecom Technology Corp. EP(NE)-9101MA-g(1A) EM8620L DMA			
Title			
EM8620L-CLOCKS , UARTS , SPI & GPIOs I/F			
Size	Document Number	Rev	
B	PCB : T2919101MA1A5	1A	
Date:	星期四, 五月 12, 2005	Sheet	4 of 25



Surecom Technology Corp.			
EP(NE)-9101MA-g(1A)			
EM8620L DMA			
Title			
EM8620L-VIDEO I/F			
Size	Document Number		Rev
B	PCB ; T2919101MA1A5		1A
Date:	星期四, 五月 12, 2005	Sheet	5 of 25





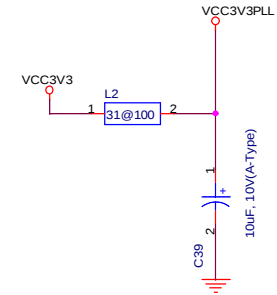
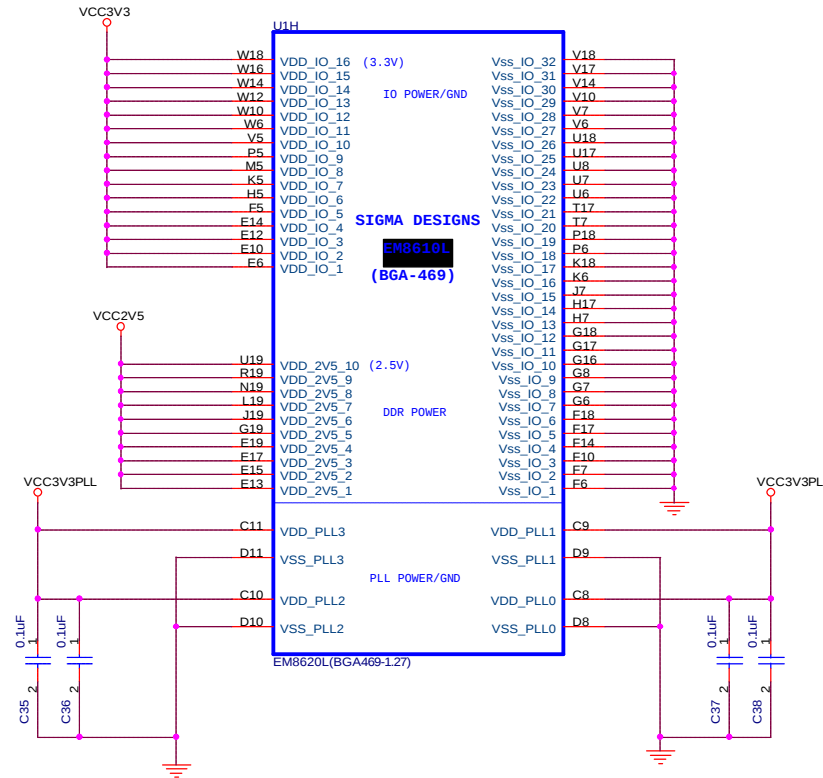
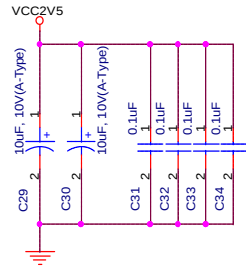
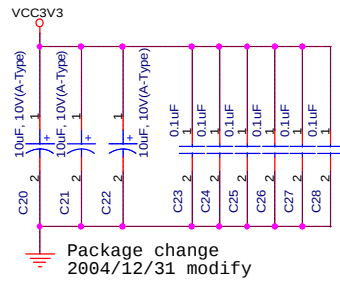


1.2V 700mA
2.5V 30mA
3.3V 40mA

SureCOM Technology Corp.

EP(NE)-9101MA-g(1A)
EM8620L DMA

Title		
EM8620L-CORE/VIDEO DACS POWER & GND		
Size B	Document Number	Rev 1A
	PCB : T2919101MA1A5	
Date:	星期四, 五月 12, 2005	Sheet 8 of 25

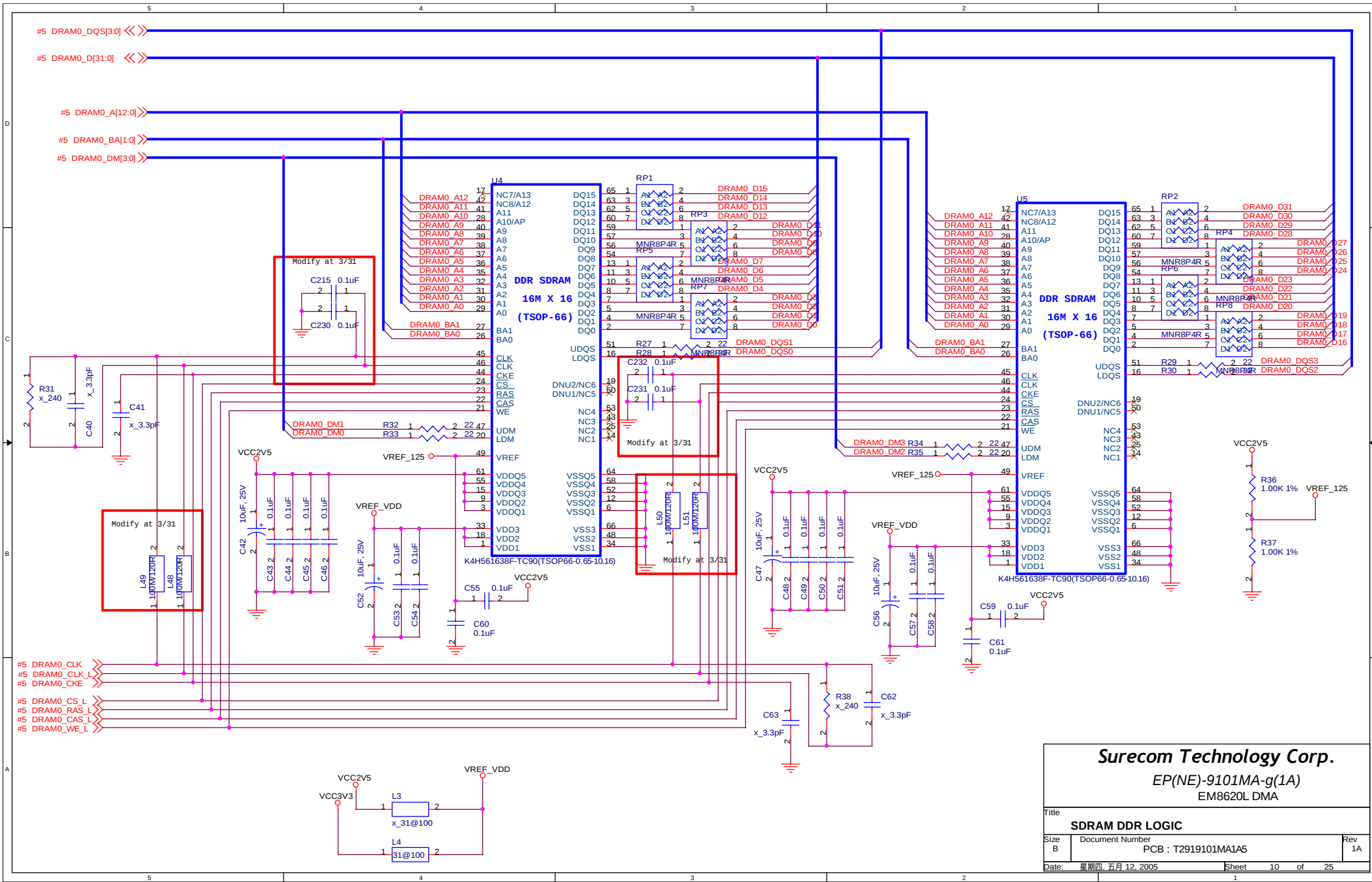


Surecom Technology Corp.

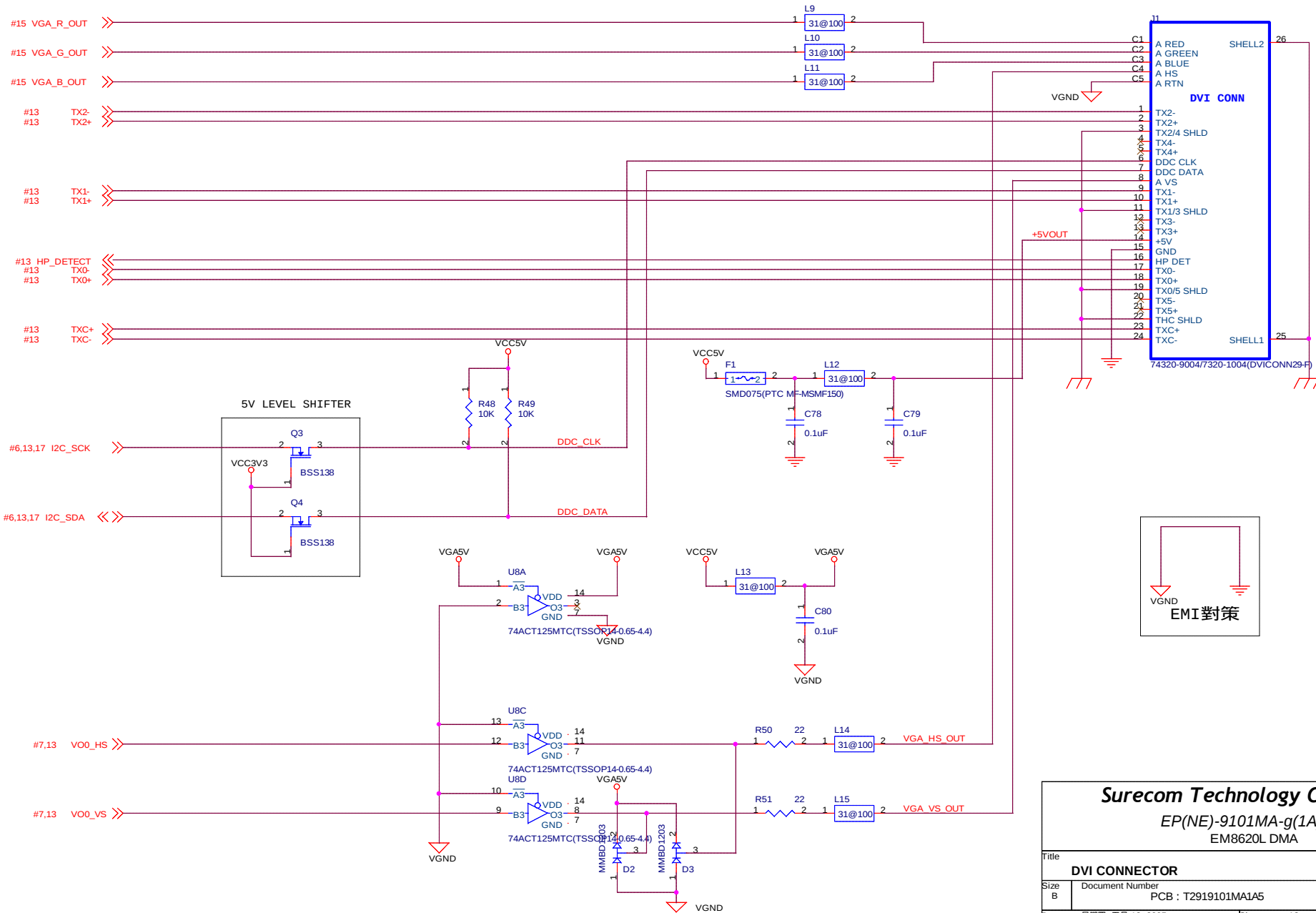
EP(NE)-9101MA-g(1A)

EM8620L DMA

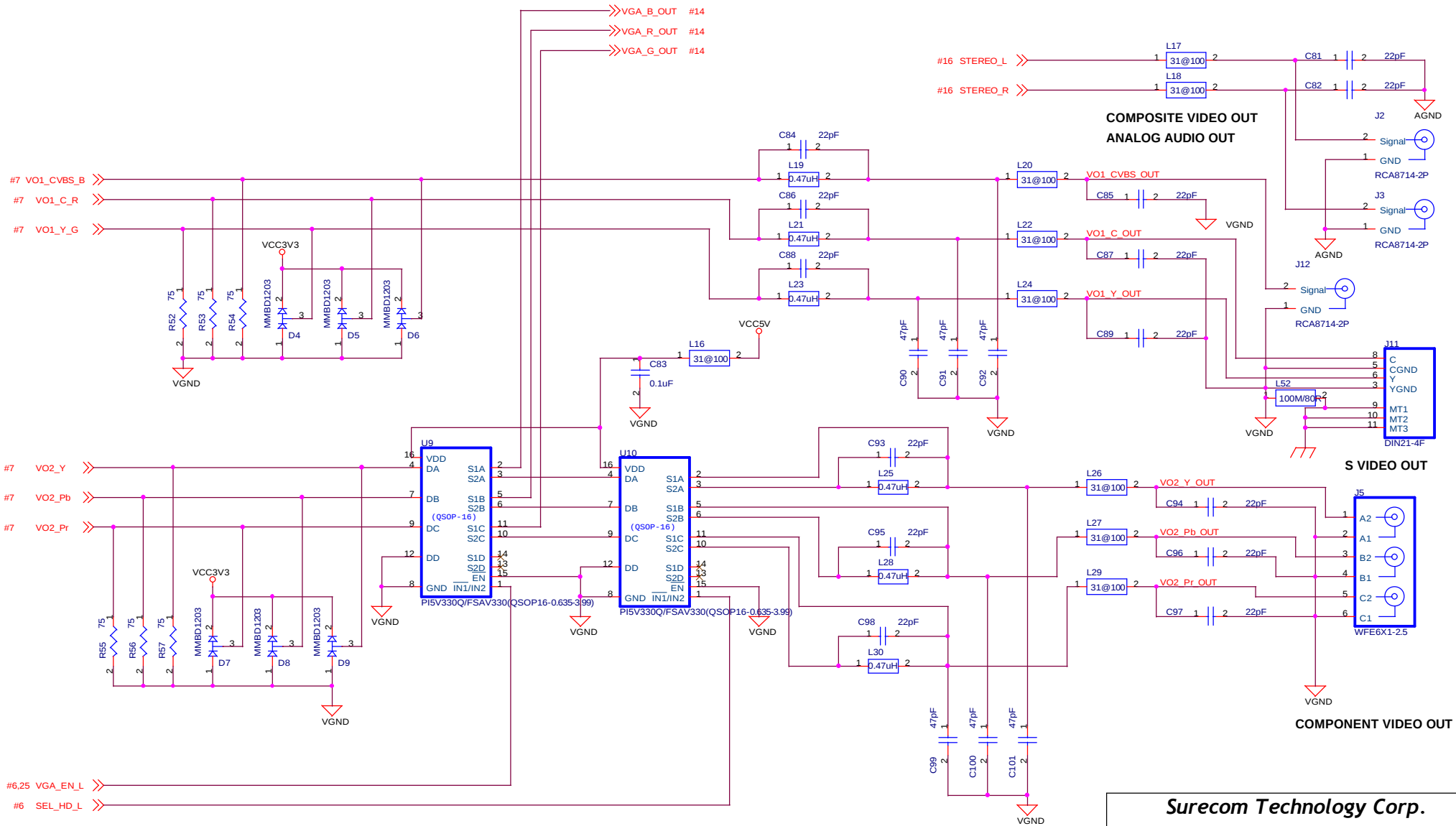
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Size	Document Number	Rev
B	PCB ; T2919101MA1A5	1A
Date:	星期四, 五月 12, 2005	Sheet 9 of 25



Surecom Technology Corp.			
EP(NE)-9101MA-g(1A)			
EM8620L DMA			
Title			
SDRAM DDR LOGIC			
Size	Document Number	Rev	
B	PCB : T2919101MA1A5	1A	
Date:	星期四, 五月 12, 2005	Sheet	10 of 25



Surecom Technology Corp.			
EP(NE)-9101MA-g(1A)			
EM8620L DMA			
Title			
DVI CONNECTOR			
Size	Document Number	Rev	
B	PCB ; T2919101MA1A5	1A	
Date:	星期四, 五月 12, 2005	Sheet	12 of 25

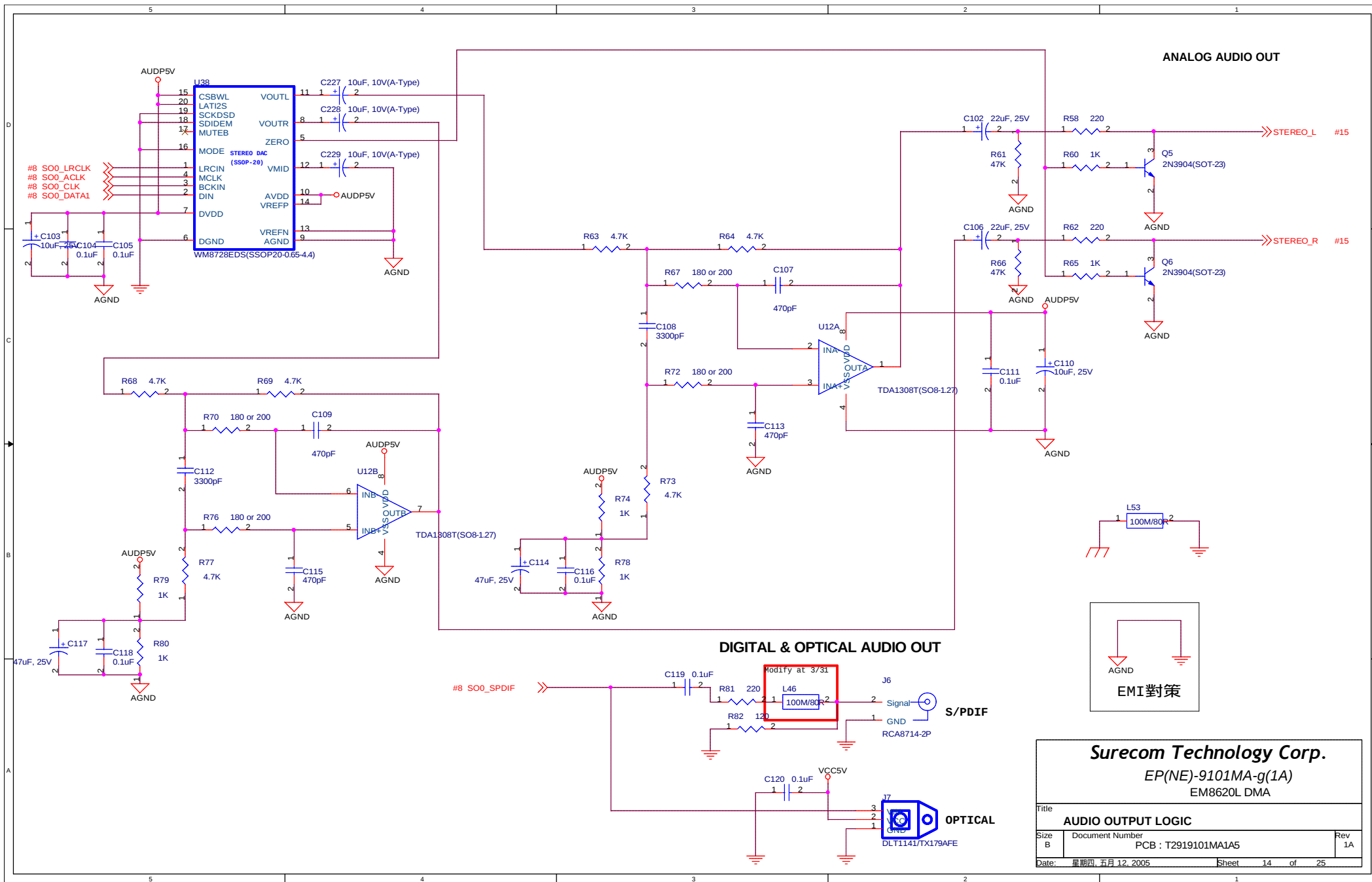


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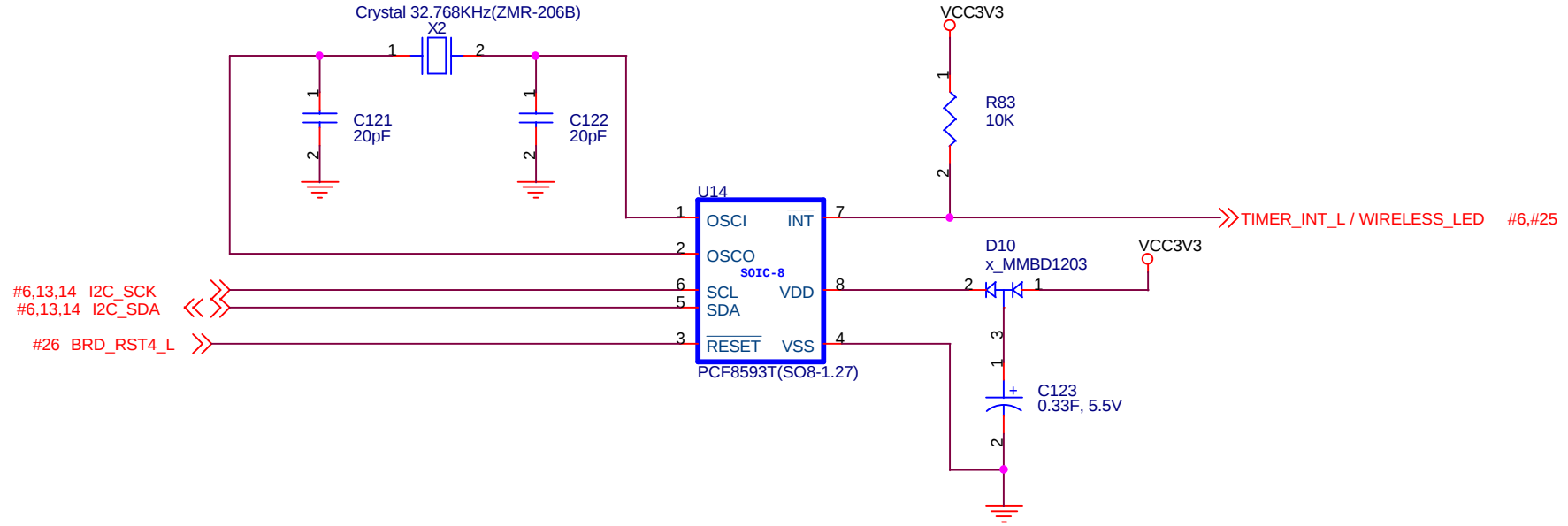
EP(NE)-9101MA-g(1A)

EM8620L DMA

Title		
VIDEO OUTPUT LOGIC		
Size	Document Number	Rev
B	PCB ; T2919101MA1A5	1A
Date:	星期四, 五月 12, 2005	Sheet 13 of 25



REAL TIME CLOCK LOGIC



Surecom Technology Corp.

EP(NE)-9101MA-g(1A)

EM8620L DMA

Title

PIO EXPANDER & REAL TIME CLOCK LOGIC

Size
A

Document Number
PCB : T2919101MA1A5

Rev
1A

Date: 星期四, 五月 12, 2005

Sheet 15 of 25

* C141 to C147 are for U16
RTL8110S(B)/RTL8100C VCC3V3 pins, such as
26, 41, 56, 71, 84, 94 and 107.

RTL8100C : Use L32 , Remove R101,L31
RTL8110S : Use L31 , Remove L32,R101
RTL8110SB : Use L31.R101 , Remove L32

* C148 and C149 are for
U16 RTL8110S(B) AVDDH
pins, such as 10 and 120.

* C150 is for U16 RTL8110S(B)/RTL8100C pin 12.

* C153 to C156 are for U16
RTL8110S(B)/RTL8100C AVDDL pins, such as 3,
7, 16, and 20.

RTL8100C : Use L33 , Remove Q7
RTL8100S(B) : Use Q7 , Remove L33

	RTL8100C	RTL8110S / RTL8169S	RTL8110SB / RTL8169SB
AVDDH	N/A	3.3AVDD	3.3AVDD
V_12P	2.5AVDD	N/A	3.3AVDD
AVDDL	3.3AVDD	2.5AVDD	2.5AVDD
V_DAC	N/A	2.5AVDD	2.5AVDD
DVDD	2.5VDD	1.8VDD	1.2VDD
DVDD_A	N/A	1.8AVDD	1.2AVDD

1.8VDD 660 mA
3.3AVDD 170mA

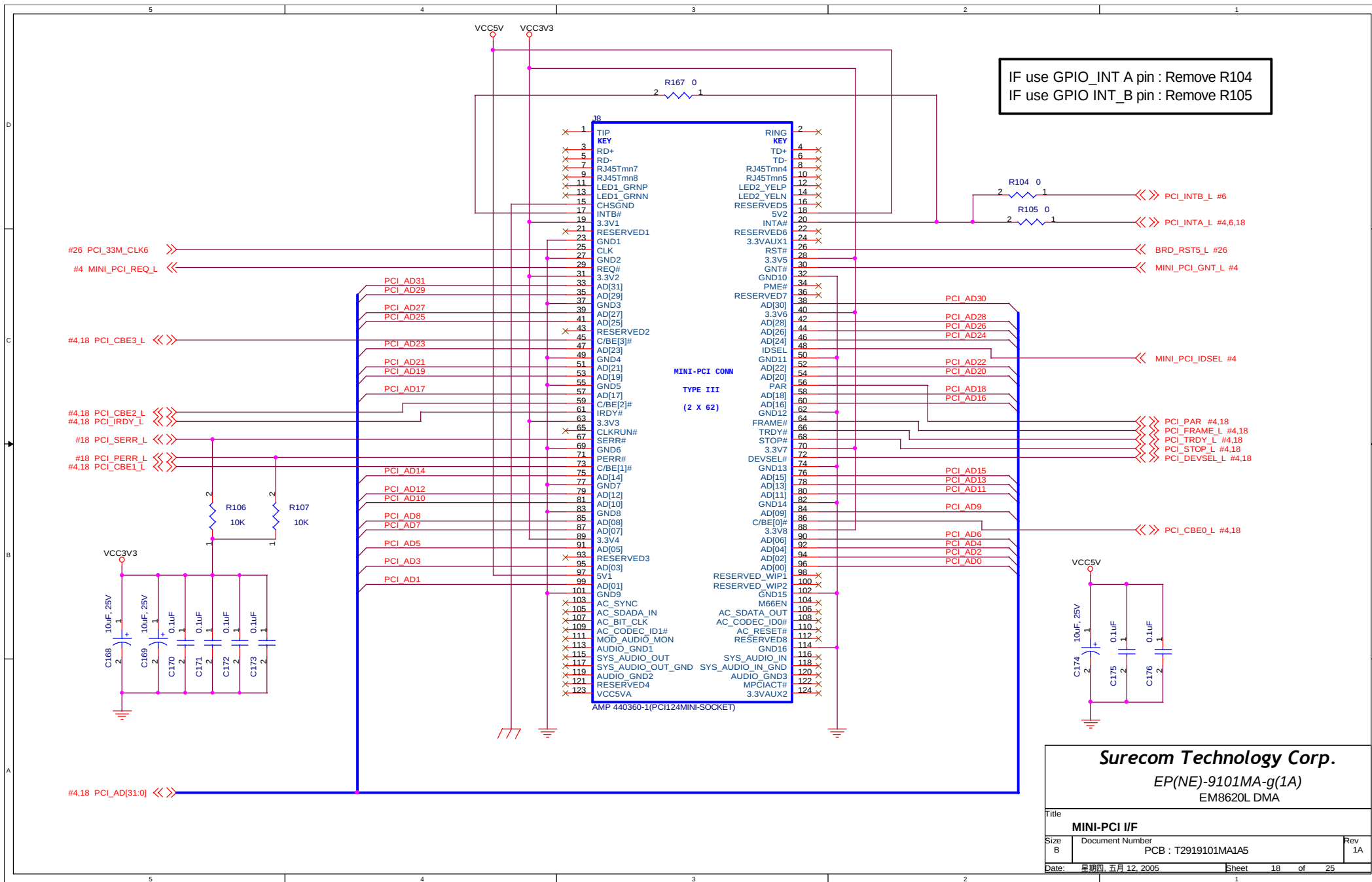
Surecom Technology Corp.

EP(NE)-9101MA-g(1A)
EM8620L DMA

Title			
Ethernet Power			
Size	Document Number		Rev
A3	PCB : T2919101MA1A5		1A
Date:	星期四 五月 12, 2005	Sheet	17 of 25

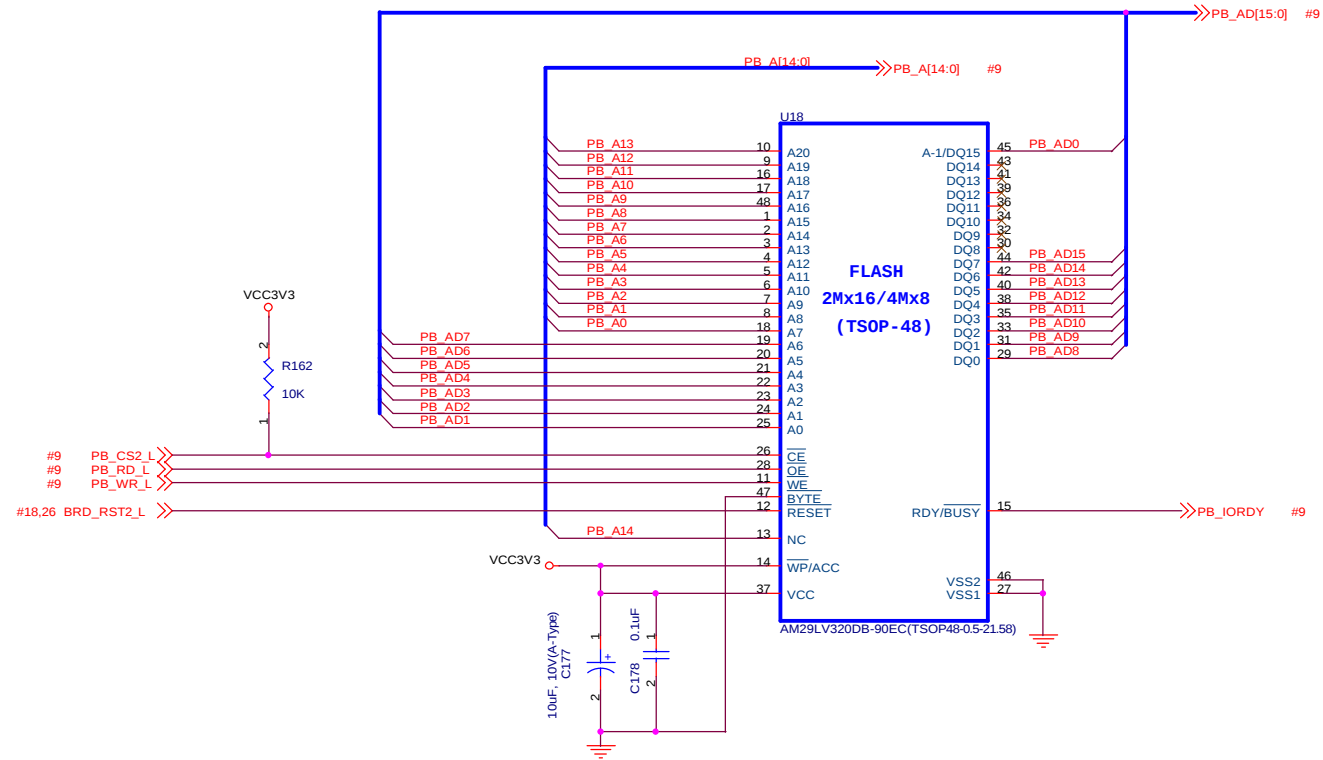
RTL8100C : Use Q9 , Remove Q8
RTL8100S(B) : Use Q8 , Remove Q9
RTL8100S : Use R102 , Remove R103
RTL8100SB : Use R103 , Remove R102

* C159 to C167 are for U16
RTL8110S(B)/RTL8100C DVDD
pins, such as 24, 32, 45, 54, 64,
78, 99, 110 and 116.



Surecom Technology Corp.
 EP(NE)-9101MA-g(1A)
 EM8620L DMA

Title		
MINI-PCI I/F		
Size	Document Number	Rev
B	PCB : T2919101MA1A5	1A
Date:	星期四, 五月 12, 2005	Sheet 18 of 25



Surecom Technology Corp.

EP(NE)-9101MA-g(1A)

EM8620L DMA

Title

PARALLEL FLASH LOGIC

Size B

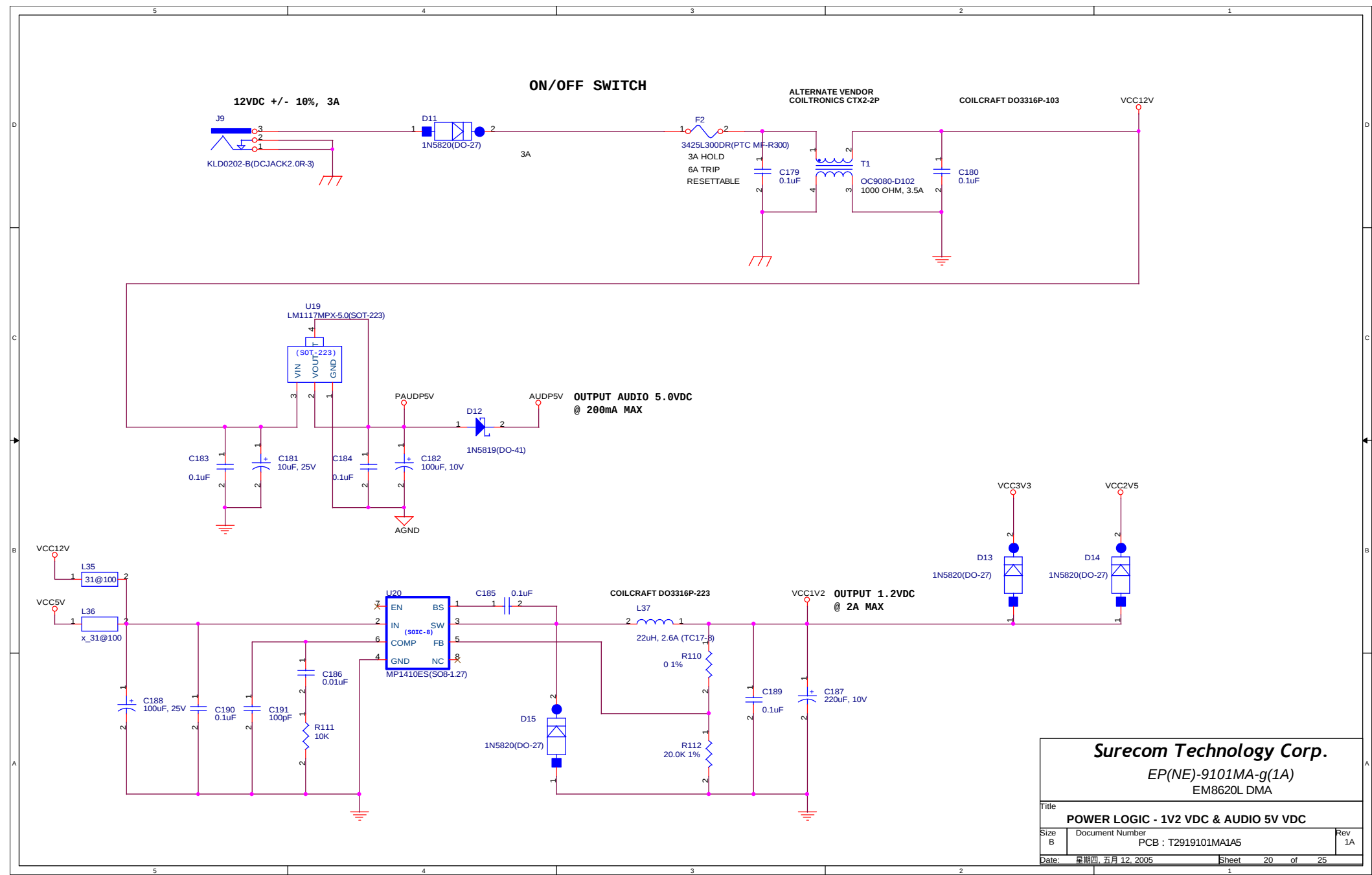
Document Number
PCB : T2919101MA1A5

Rev
1A

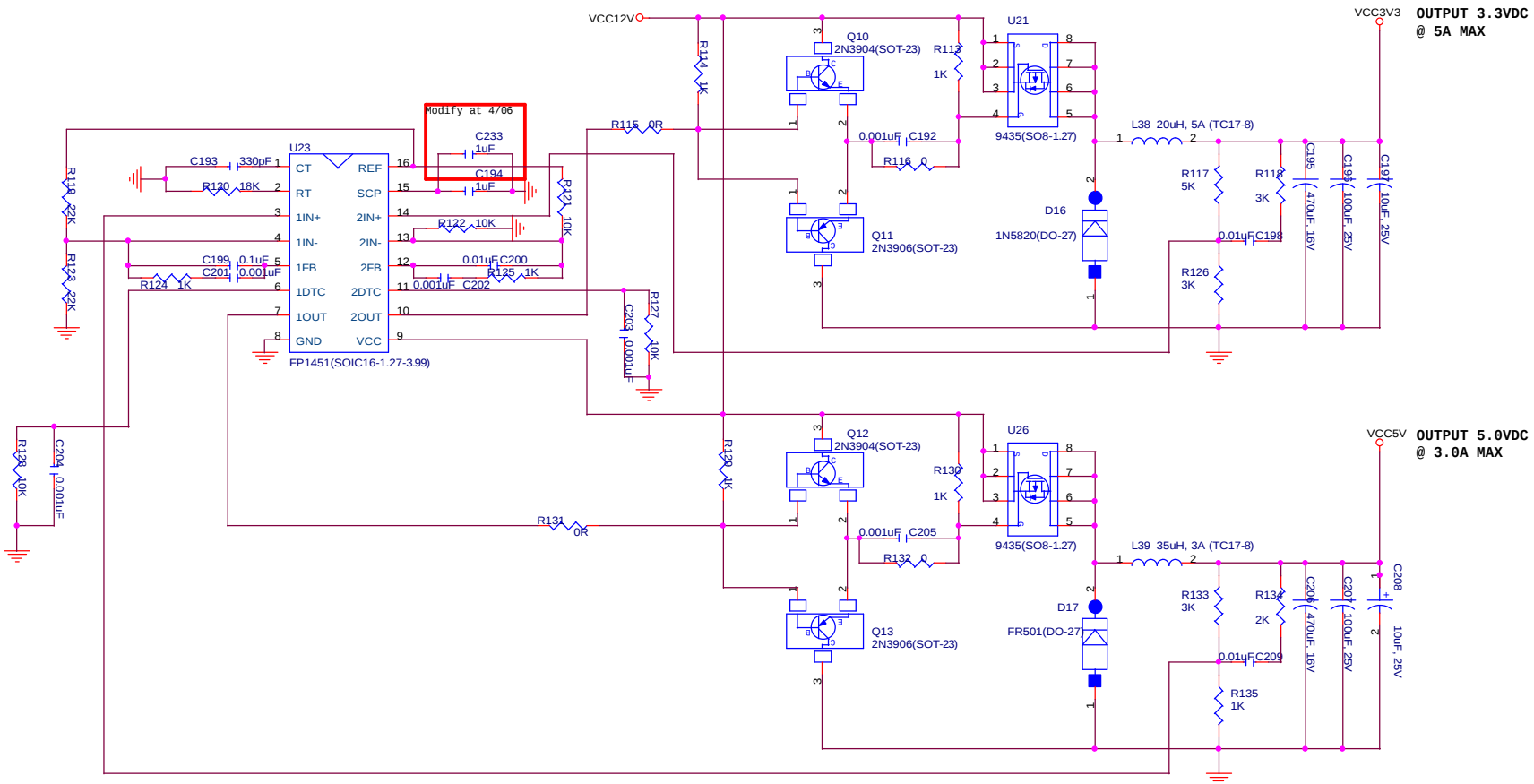
Date: 星期四, 五月 12, 2005

Sheet 19 of 25

1



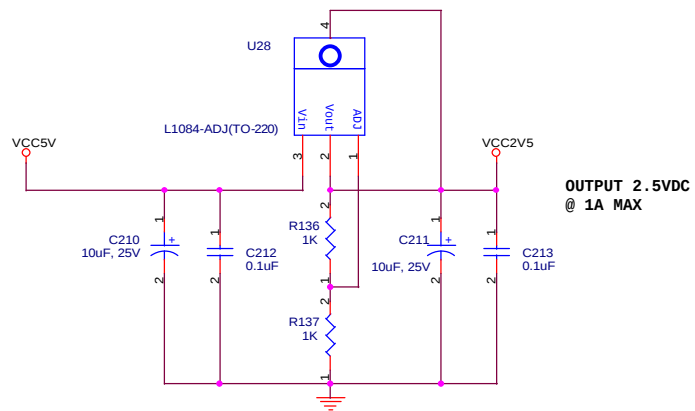
Surecom Technology Corp.			
EP(NE)-9101MA-g(1A)			
EM8620L DMA			
Title			
POWER LOGIC - 1V2 VDC & AUDIO 5V VDC			
Size	Document Number	Rev	
B	PCB ; T2919101MA1A5	1A	
Date:	星期四, 五月 12, 2005	Sheet	20 of 25



Surecom Technology Corp.

EP(NE)-9101MA-g(1A)
EM8620L DMA

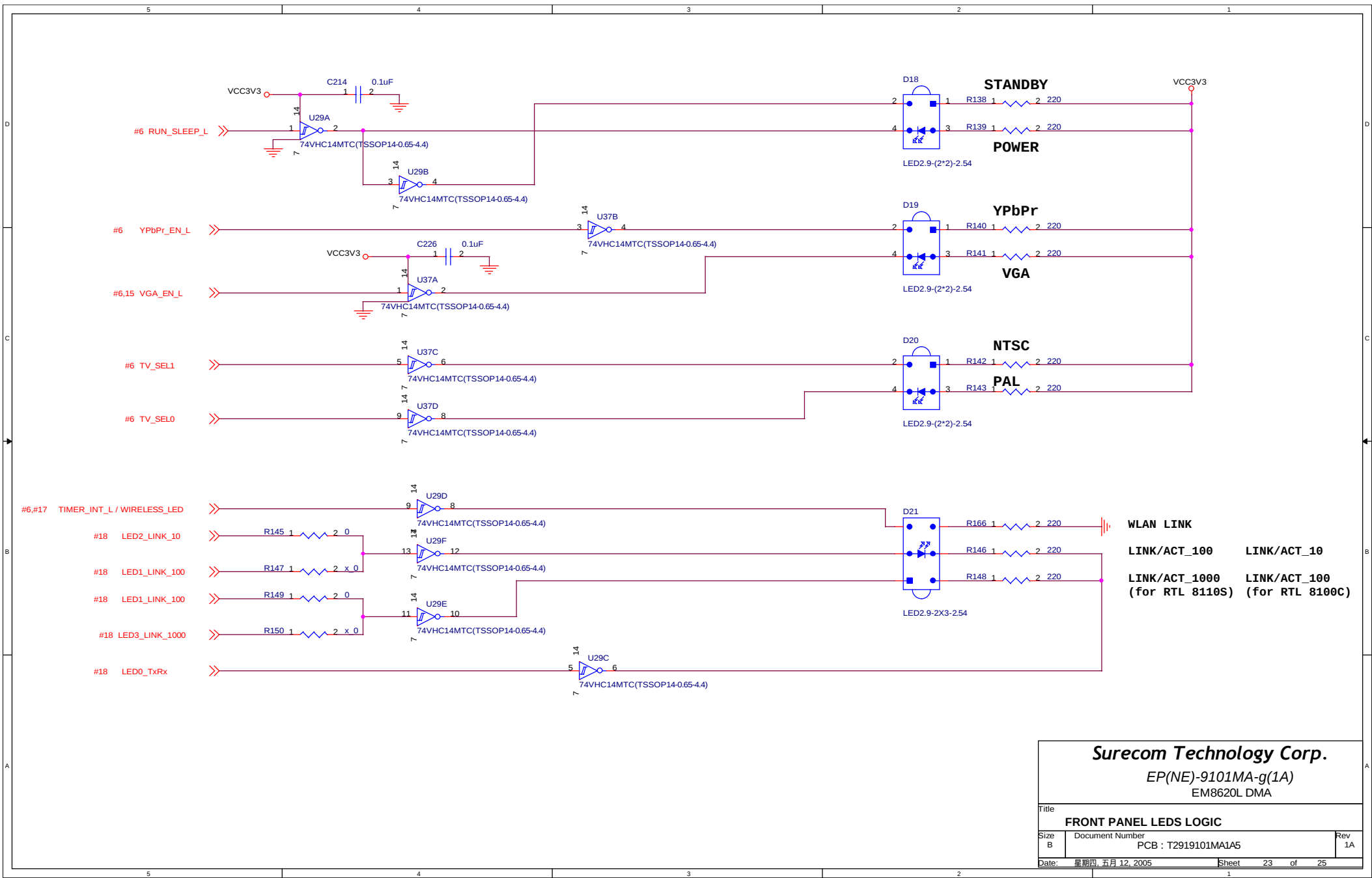
Title		
POWER LOGIC - 3V3 VDC & 5V VDC		
Size	Document Number	Rev
B	PCB : T2919101MA1A5	1A
Date:	星期四, 五月 12, 2005	Sheet 21 of 25



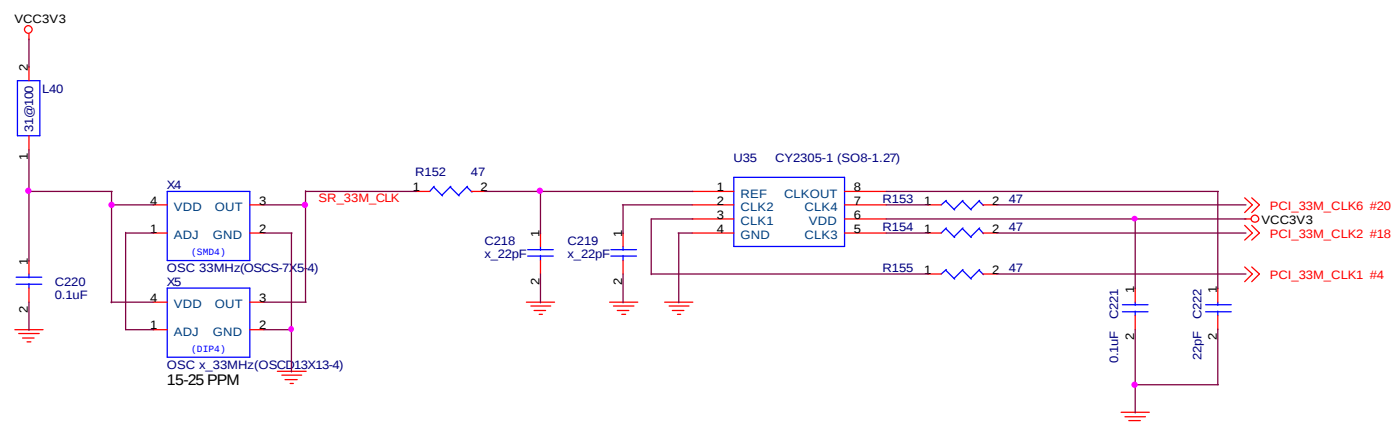
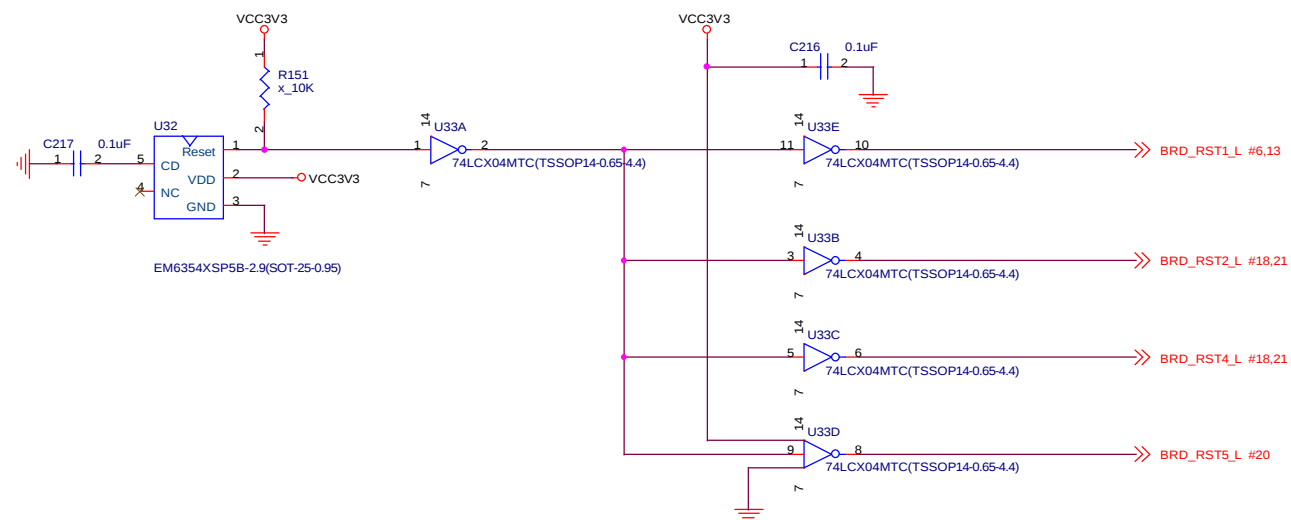
Surecom Technology Corp.

EP(NE)-9101MA-g(1A)
EM8620L DMA

Title		
POWER LOGIC - 2V5 VDC		
Size B	Document Number PCB : T2919101MA1A5	Rev 1A
Date:	星期四, 五月 12, 2005	Sheet 22 of 25



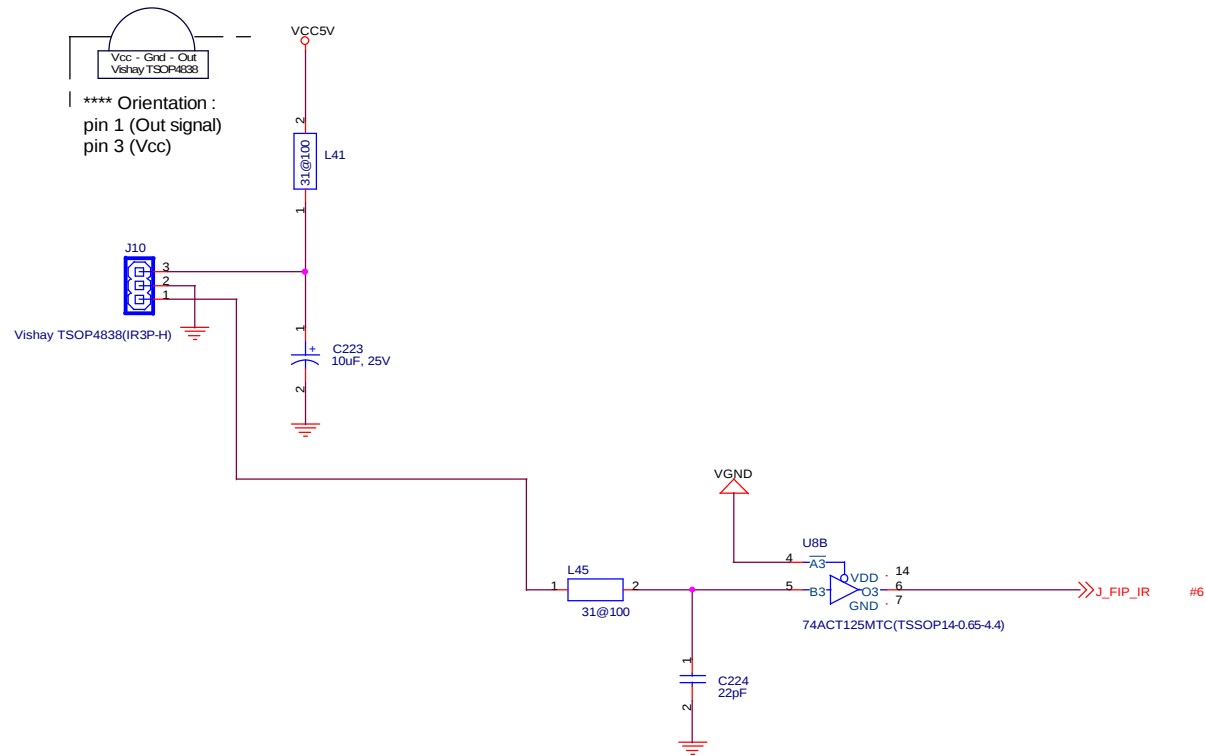
Surecom Technology Corp.		
EP(NE)-9101MA-g(1A)		
EM8620L DMA		
Title		
FRONT PANEL LEDS LOGIC		
Size	Document Number	Rev
B	PCB ; T2919101MA1A5	1A
Date:	星期四, 五月 12, 2005	Sheet 23 of 25



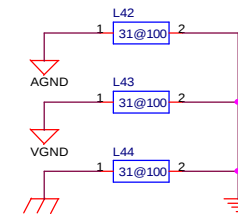
Surecom Technology Corp.

EP(NE)-9101MA-g(1A)
EM8620L DMA

Title		
POWER ON RESET & PCI CLOCK LOGIC		
Size B	Document Number PCB : T2919101MA1A5	Rev 1A
Date: 星期四, 五月 12, 2005	Sheet 24 of 25	1



GROUND CONNECTIONS

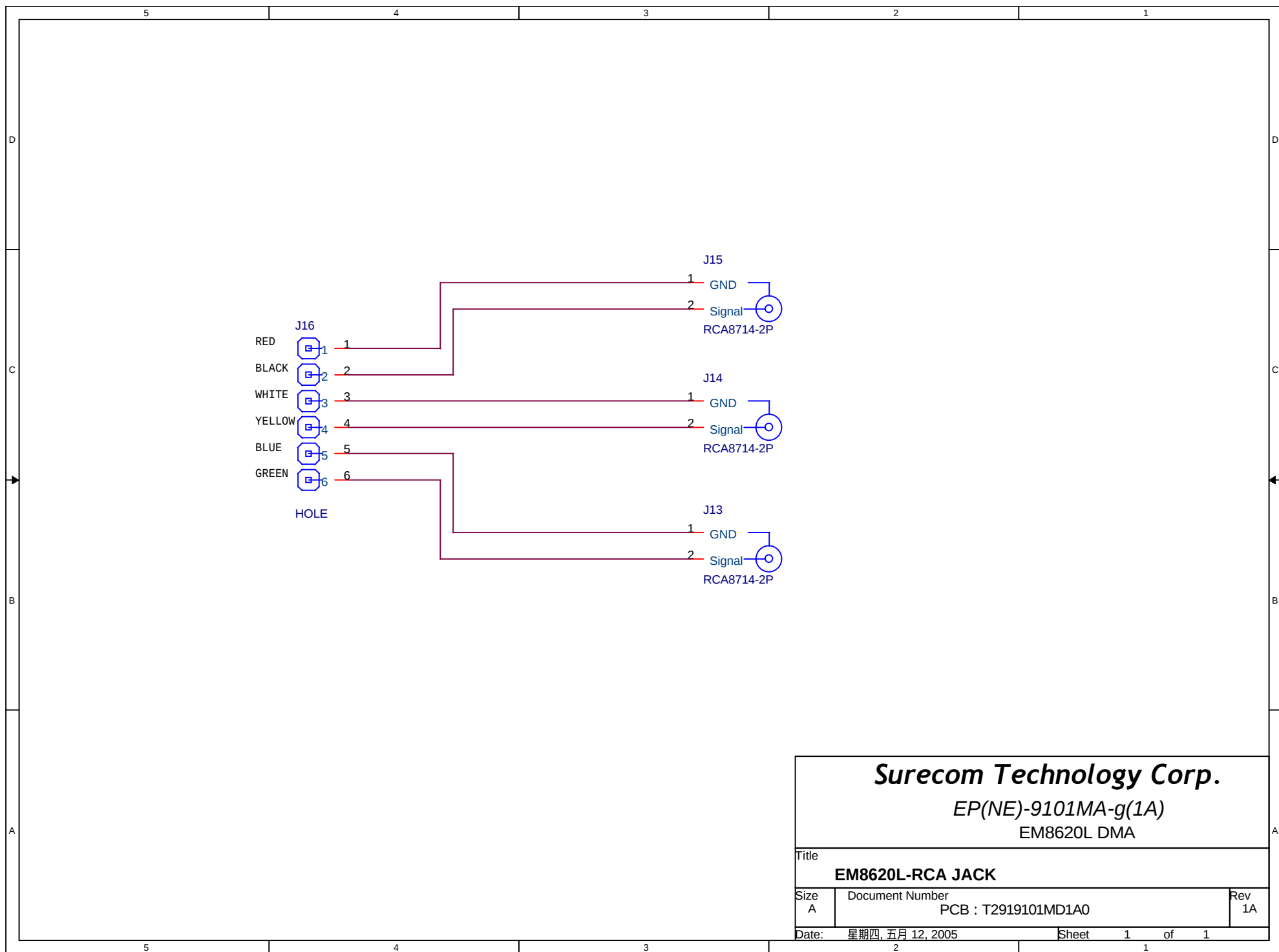


Surecom Technology Corp.

EP(NE)-9101MA-g(1A)

EM8620L DMA

Title		
VFD & IR I/F		
Size B	Document Number	Rev 1A
	PCB : T2919101MA1A5	
Date: 星期四, 五月 12, 2005	Sheet 25 of 25	



Surecom Technology Corp.

EP(NE)-9101MA-g(1A)

EM8620L DMA

Title

EM8620L-RCA JACK

Size
A

Document Number

PCB : T2919101MD1A0

Rev
1A

Date: 星期四, 五月 12, 2005

Sheet 1 of 1