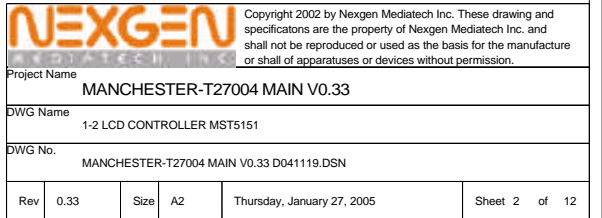
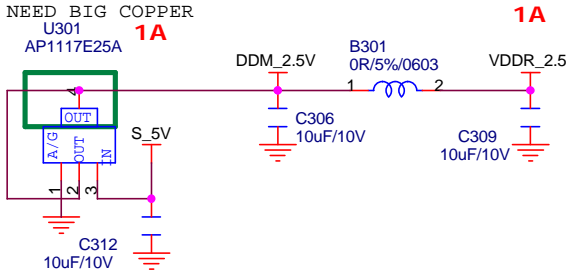
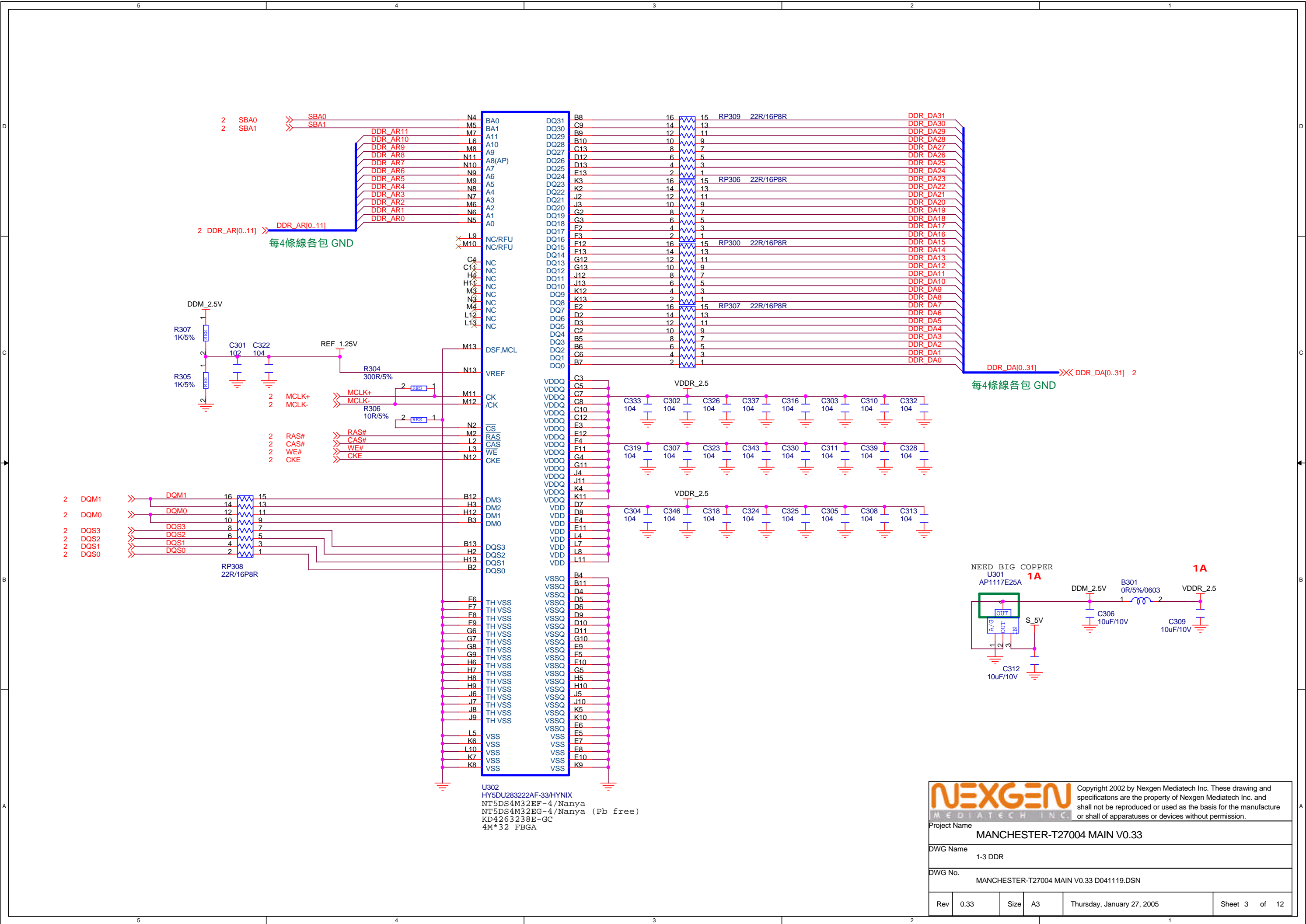


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Project Name				
MANCHESTER-T27004 MAIN V0.33				
DWG Name				
1-1 MAIN I/O CON				
DWG No.				
MANCHESTER-T27004 MAIN V0.33 D041119.DSN				
Rev	0.33	Size	A3	Thursday, January 27, 2005
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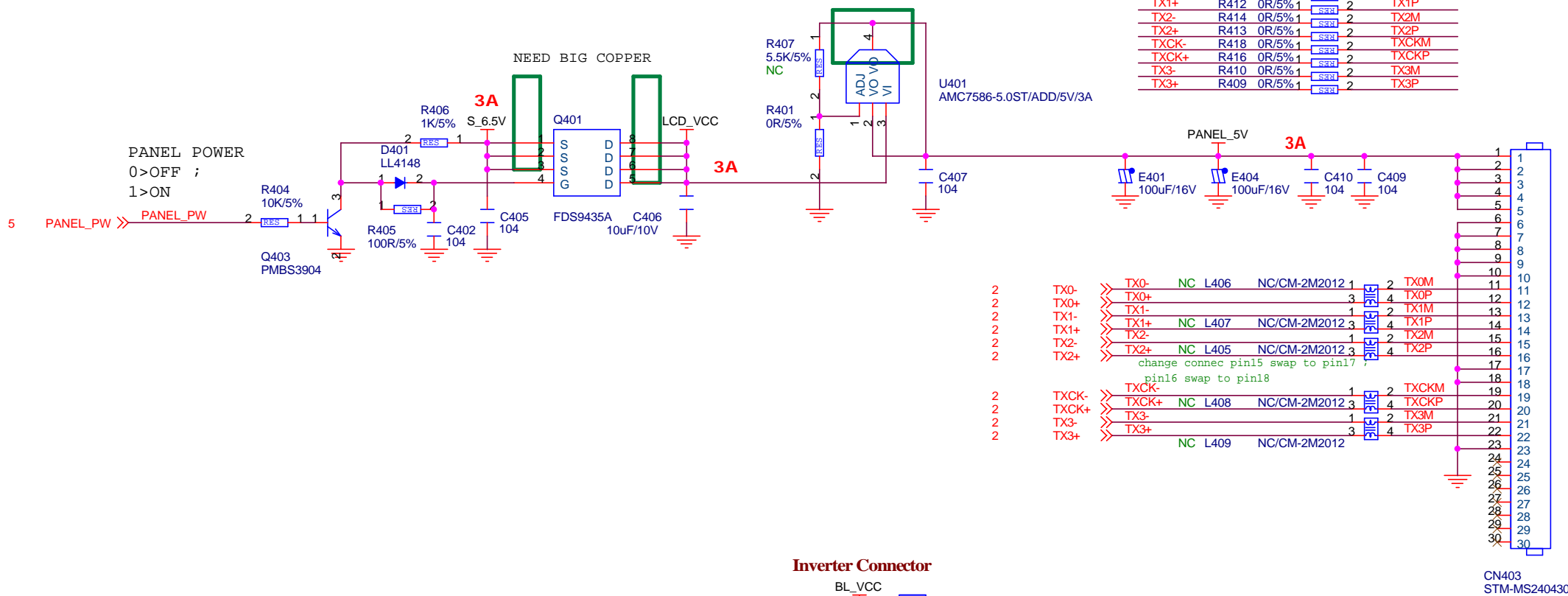
Project Name					
MANCHESTER-T27004 MAIN V0.33					
DWG Name					
1-3 DDR					
DWG No.					
MANCHESTER-T27004 MAIN V0.33 D041119.DSN					
Rev	0.33	Size	A3	Thursday, January 27, 2005	Sheet 3 of 12

FOR CMO 27",30" LCD PANEL INTERFACE

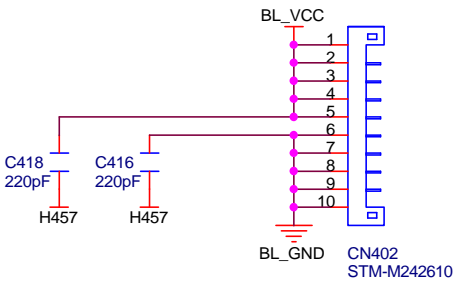
線走 W5/L8/W5 mil, LAY1  
線長差 < 14mil, 需平行等長

TX0-	R417	0R/5%	1	2	TX0M
TX0+	R415	0R/5%	1	2	TX0P
TX1-	R411	0R/5%	1	2	TX1M
TX1+	R412	0R/5%	1	2	TX1P
TX2-	R414	0R/5%	1	2	TX2M
TX2+	R413	0R/5%	1	2	TX2P
TXCK-	R418	0R/5%	1	2	TXCKM
TXCK+	R416	0R/5%	1	2	TXCKP
TX3-	R410	0R/5%	1	2	TX3M
TX3+	R409	0R/5%	1	2	TX3P

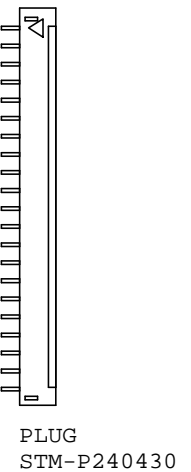
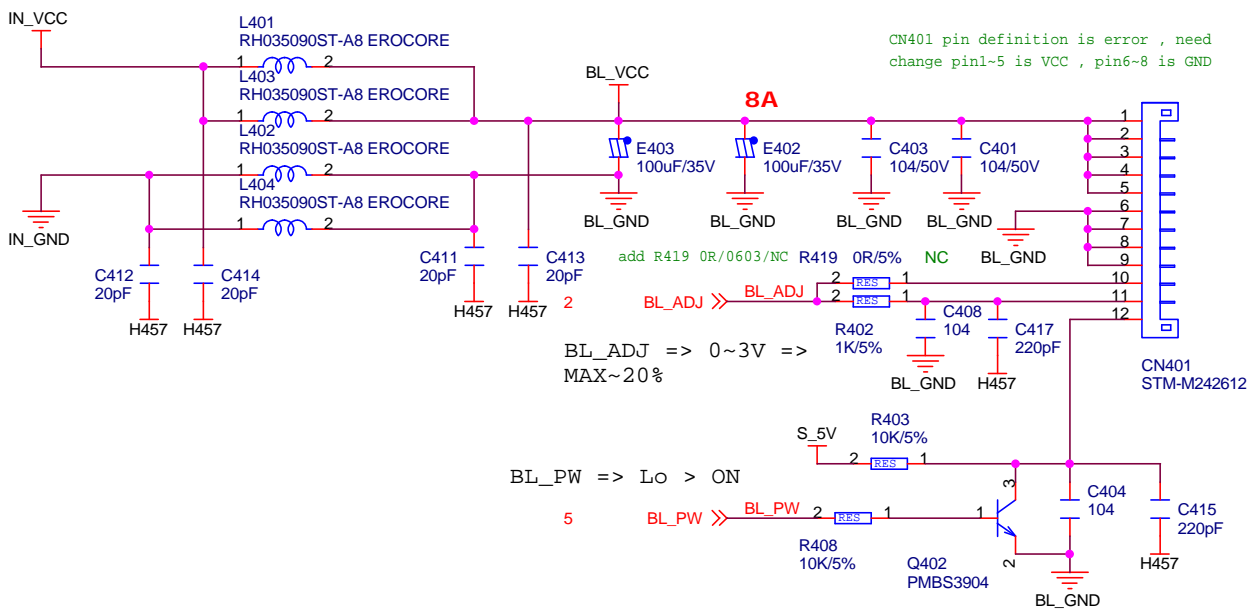
Dropout Voltage  $I_o=3A$   
,  $V_d \text{ max} = 1.3V$   
NEED BIG COPPER



Inverter Connector



CN401 pin definition is error , need  
change pin1-5 is VCC , pin6-8 is GND

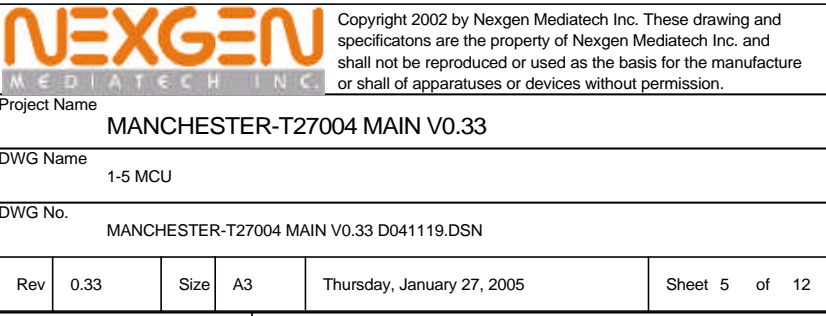


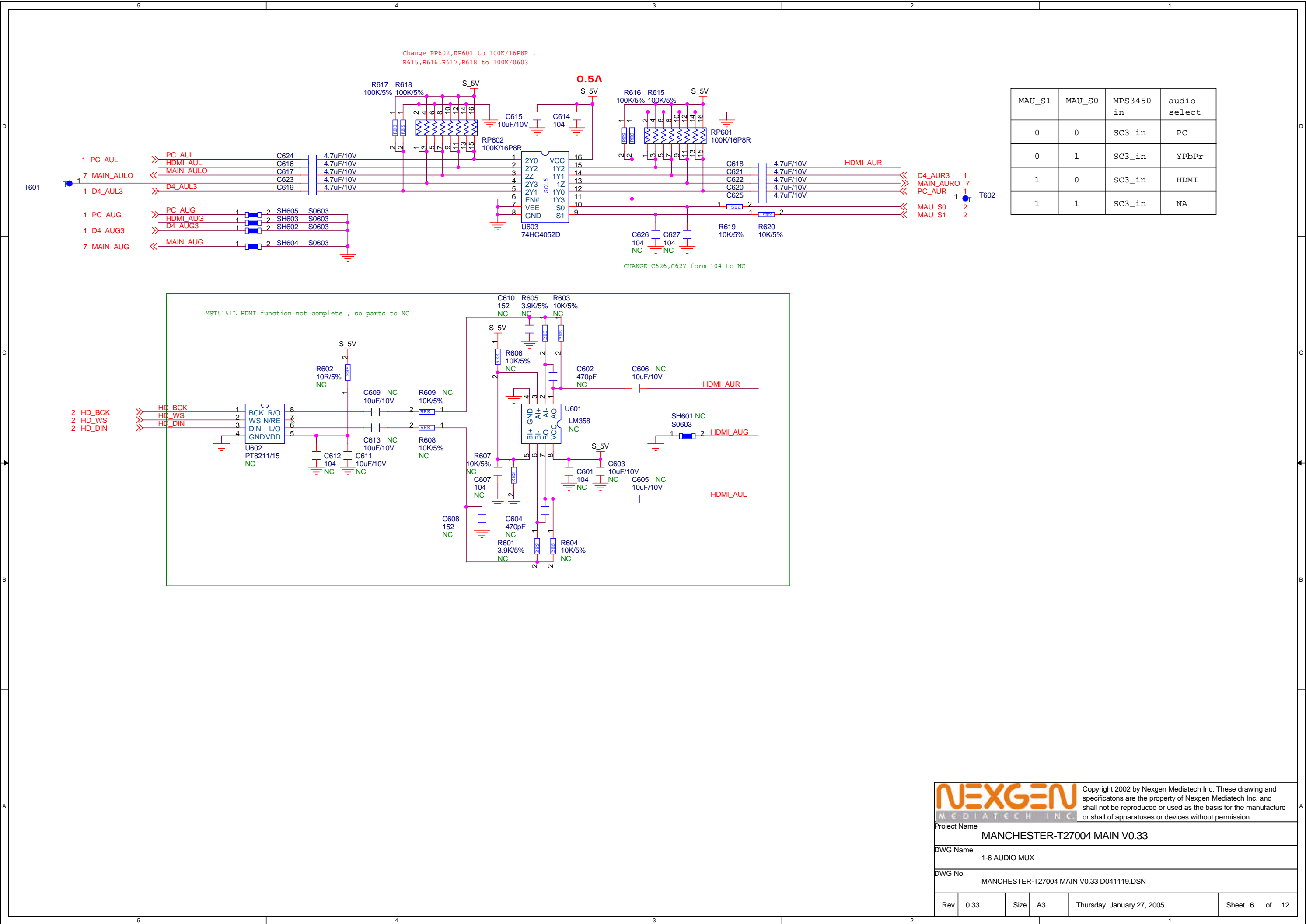
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Project Name	MANCHESTER-T27004 MAIN V0.33		
DWG Name	1-4 PANEL INTERFACE		
DWG No.	MANCHESTER-T27004 MAIN V0.33 D041119.DSN		
Rev	0.33	Size	A3
Thursday, January 27, 2005		Sheet 4 of 12	







MAU_S1	MAU_S0	MPS3450 in	audio select
0	0	SC3_in	PC
0	1	SC3_in	YPbPr
1	0	SC3_in	HDMI
1	1	SC3_in	NA

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Project Name

MANCHESTER-T27004 MAIN V0.33

DWG Name

1-6 AUDIO MUX

DWG No.

MANCHESTER-T27004 MAIN V0.33 D041119.DSN

Rev

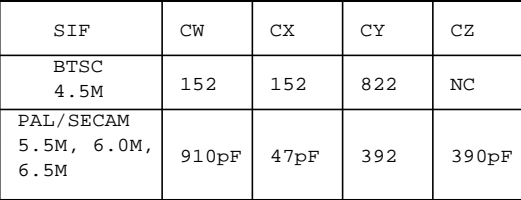
0.33

Size

A3

Thursday, January 27, 2005

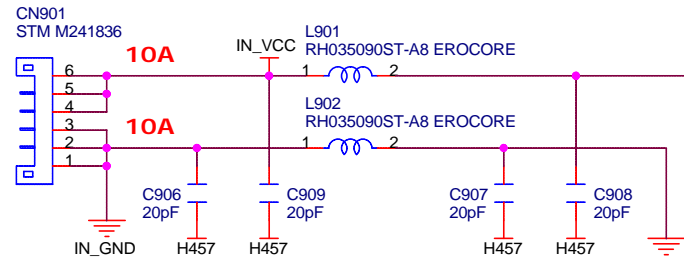
Sheet 6 of 12



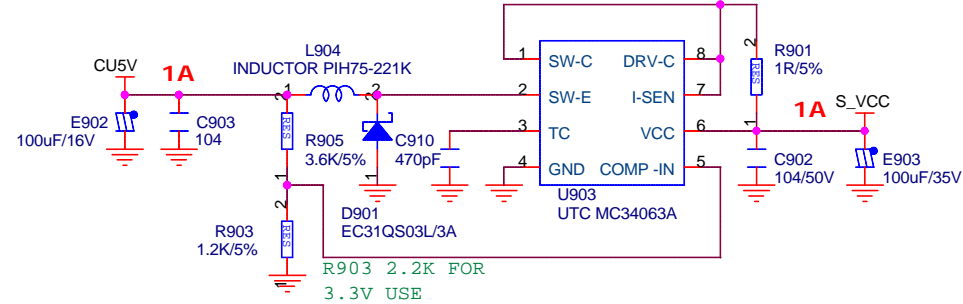




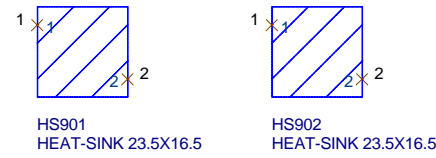
change connector  
from 4802-06 E&T to  
STM M241836  
pin definition need  
mirror , modify part  
direction on PCB/A



### STEP-DONW 19V TO 5V

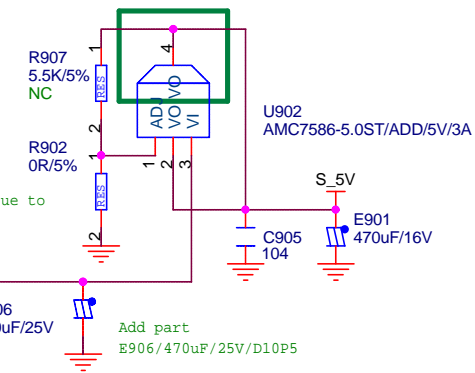


add heat-sink for U901,U902

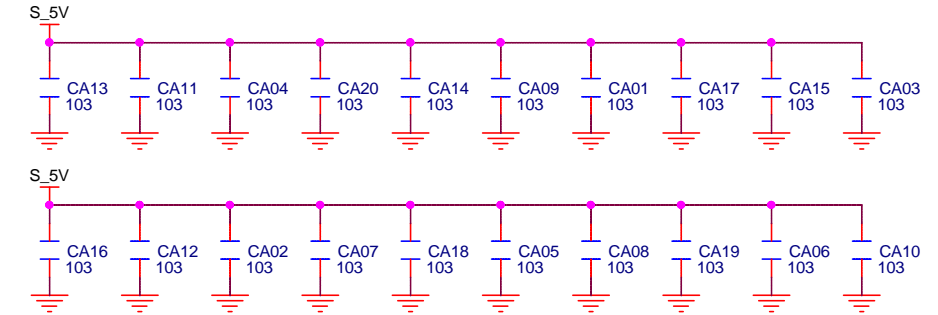


Dropout Voltage  $I_o=3A$  ,  $V_d$   
max = 1.3V

NEED BIG COPPER



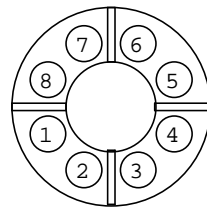
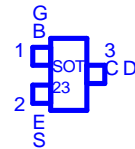
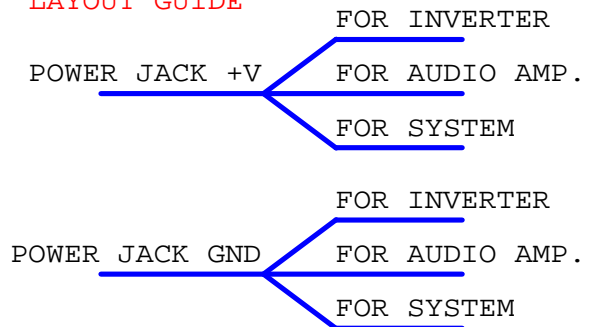
### FOR EMI POWER DECOUPLING CAP



Power Sequence : 5V -> VL -> VH & AVDD

VGH : +23V : POWER LINE  
VGL : -5.5V : POWER LINE  
VAA : +10V : POWER LINE  
V5A : +5V : POWER  
PLANE

### LAYOUT GUIDE



PT1 PHOTO POINT  
PT3 PHOTO POINT  
PT2 PHOTO POINT  
PT4 PHOTO POINT

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Project Name		MANCHESTER-T27004 MAIN V0.33	
DWG Name		1-9 POWER SUPPLY	
DWG No.		MANCHESTER-T27004 MAIN V0.33 D041119.DSN	
Rev	0.33	Size	A3
Thursday, January 27, 2005		Sheet 9 of 12	

UPDATE LIST

parts value please base on BOM  
change history please see attachments file

NOTE

"NC" FOR NO MOUNT PART

Draw	Check	Approve
Hank Tang		

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Project Name

MANCHESTER-T27004 MAIN V0.33

DWG Name

0 Cover Page

DWG No.

MANCHESTER-T27004 MAIN V0.33 D041119.DSN

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Page List

MAIN BOARD:MANCHESTER-T27004 MAIN V0.33.DSN  
PCB FILE:MANCHESTER-T27004 MAIN V0.33.pcb

0 Cover Page  
0-1 SYSTEM BLOCK DIAGRAM (PAL)  
0-2 SYSTEM BLOCK DIAGRAM (NTSC)  
1-1 MAIN I/O CON  
1-2 LCD CONTROLLER MST5151  
1-3 DDR  
1-4 PANEL INTERFACE  
1-5 MCU  
1-6 AUDIO MUX  
1-7 AUDIO PROCESS MPS3450  
1-8 AUDIO AMPLIFIER TPA3004D2  
1-9 POWER SUPPLY

VIDEO BOARD(PAL):GND MANCHESTER-T27004 PAL V0.33.DSN  
PCB FILE:MANCHESTER-T27004 PAL V0.1.pcb

2-1 SCART1 CONNECTOR  
2-2 SCART2 CONNECTOR  
2-3 VIDEO I/O SV,AV  
2-4 VIDEO BOARD MUX  
2-5 VIDEO DECODER SAAA7117AE  
2-6 TV TUNER  
2-7 VIDEO TEXT

VIDEO BOARD(NTSC):T27007 NTSC V0.3.DSN  
PCB FILE:MANCHESTER-T27004 NTSC V0.3.pcb

1 COMPONENT I/F  
2 D-CONNECTOR I/F  
3 VIDEO I/O SV,AV I/F  
4 VIDEO BOARD MUX  
5 VIDEO DECODER SAA7117AE  
6 TV TUNER,AV SW  
7 CC / V-CHIP  
8 3D COMB FILTER

KEYPAD BOARD:T27001  
PCB FILE:by mode system BOM

IR BOARD:T27001  
PCB FILE:by mode system BOM

