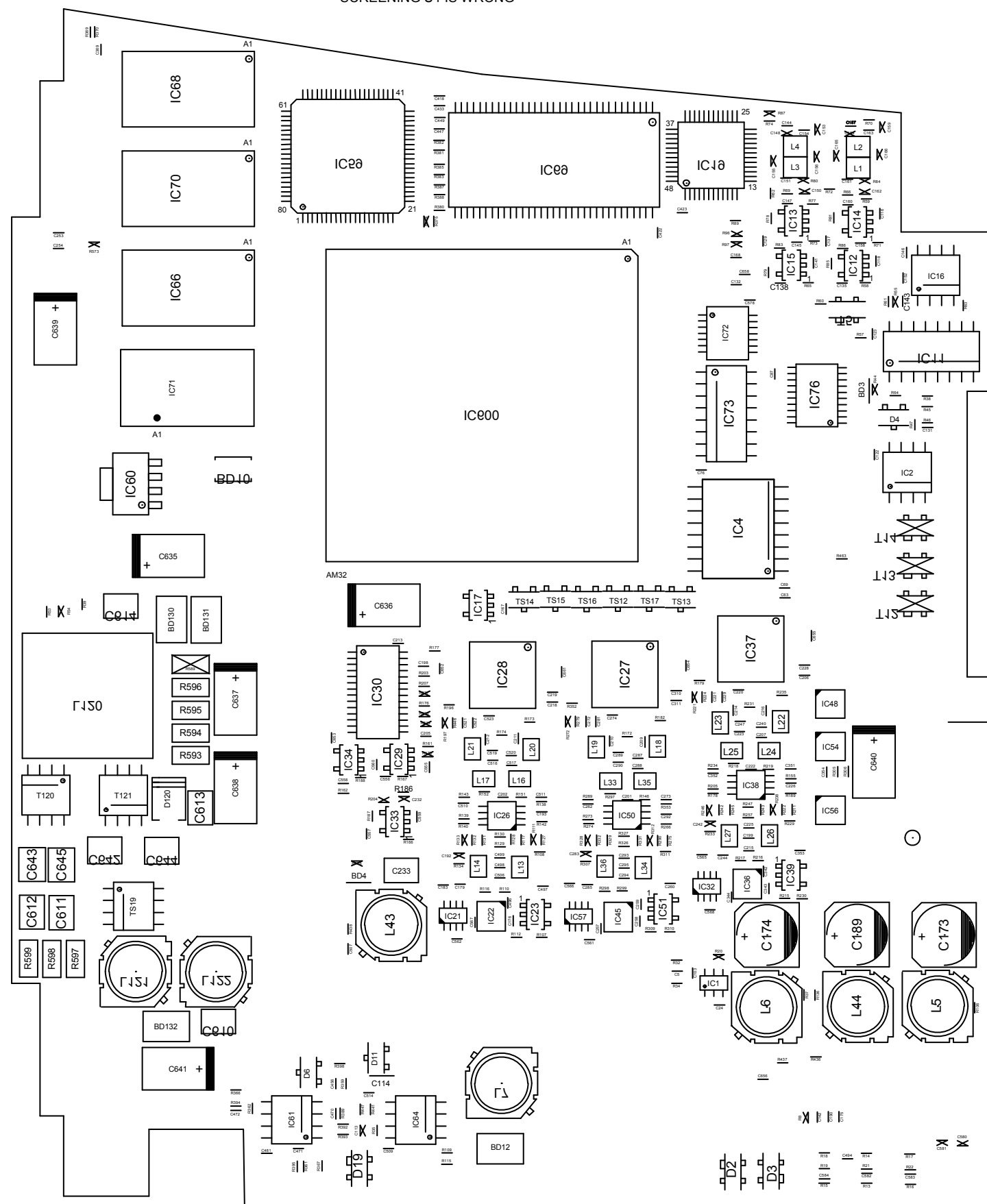


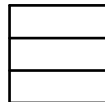
GRASS VALLEY
e rechten voorbehouden. Vervelvoudiging
openbaarmaking, geheel of gedeeltelijk, is



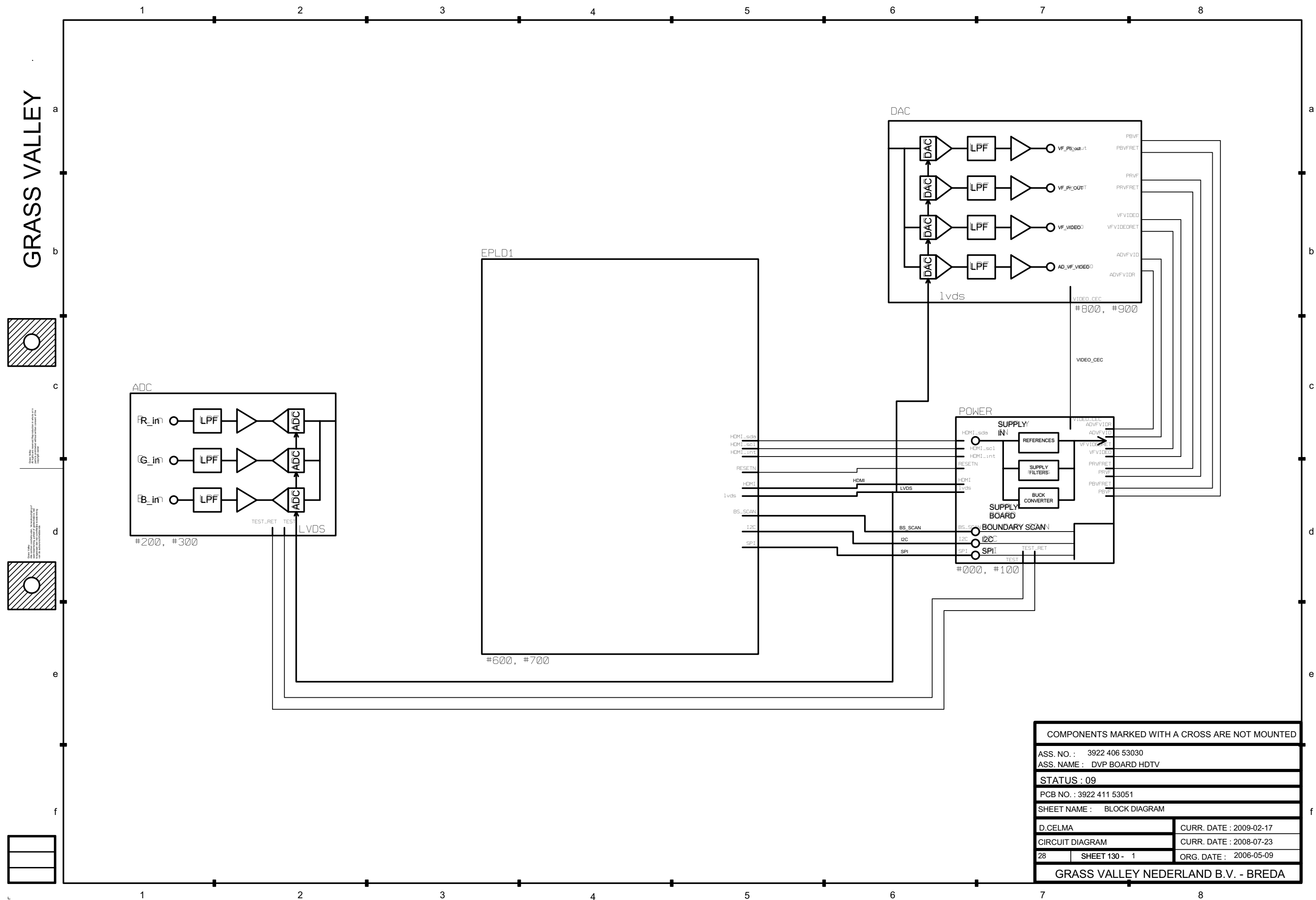
NOTE: REFDES IC600 DOES NOT CORRESPONDENT WITH SCREENING U1.
SCREENING U1 IS WRONG

ASSEMBLY LAYER TOP

COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
STATUS: 09	
ASS. 12NC: 3922 406 53030	
ASS. NAME: DVP BOARD HDTV	
PCB. 12NC: 3922 411 53031	
ASSEMBLY TOP	CURR. DATE: 09-02-17
SCALE 1 : 1	PREV. DATE: 08-07-23
DIEGO CELMA	ORG. DATE: 06-05-09
H VERMEULEN	SHEET : 110-1
GRASS VALLEY NEDERLAND B.V. - BREDA	



COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED		
STATUS: 09		
ASS. 12NC: 3922 406 53030		
ASS. NAME: DVP BOARD HDTV		
PCB. 12NC: 3922 411 53031		
ASSEMBLY BOTTOM	CURR. DATE: 09-02-17	
SCALE 1 : 1	PREV. DATE: 08-07-23	
DIEGO CELMA	ORG. DATE: 06-05-09	
H VERMEULEN	SHEET :	110-2
GRASS VALLEY NEDERLAND B.V. - BREDA		



GRASS VALLEY

ADC

SPEC5303_BANK3_ADC_1V8

SPEC5303_IC600

COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED

ASS. NO. : 3922 406 53030

ASS. NAME : DVP BOARD HDTV

STATUS : 09

PCB NO. : 3922 411 53051

SHEET NAME : ADC

D.CELMA

CURR. DATE : 2009-02-17

CIRCUIT DIAGRAM

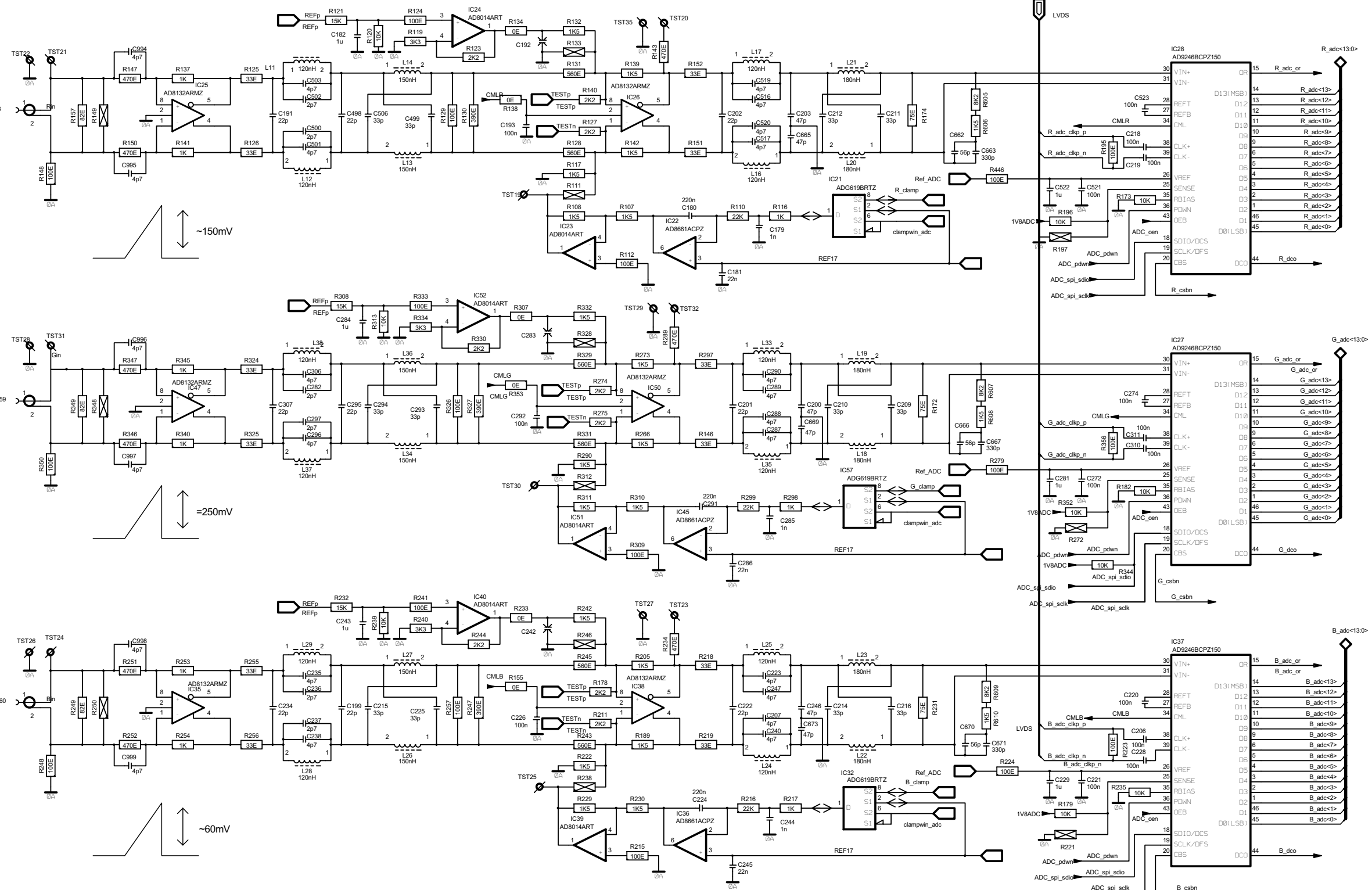
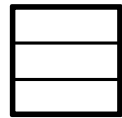
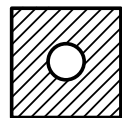
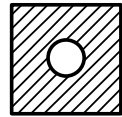
CURR. DATE : 2008-07-23

28

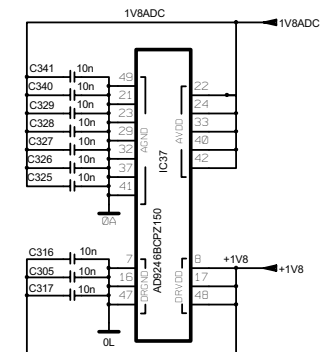
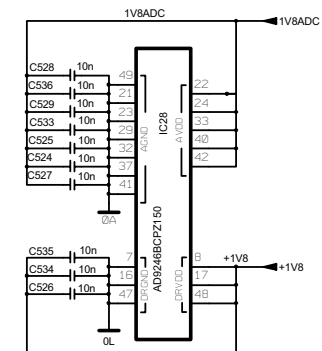
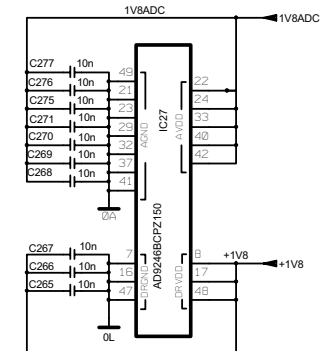
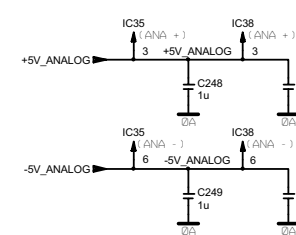
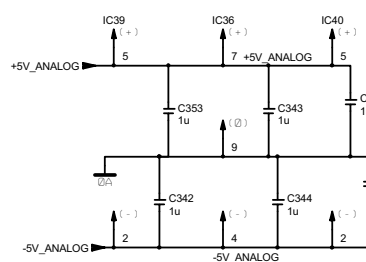
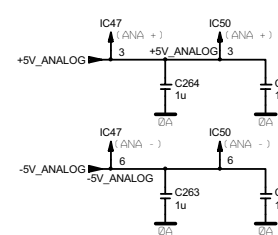
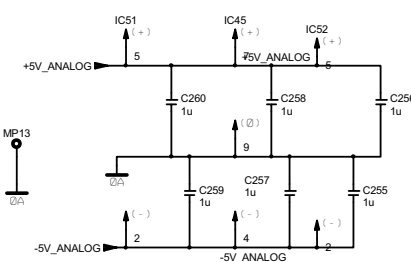
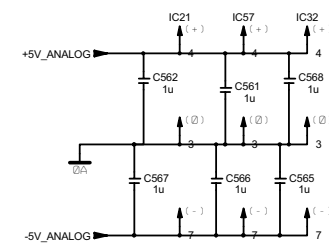
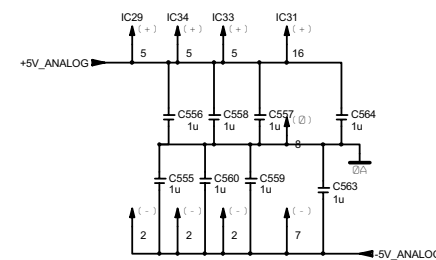
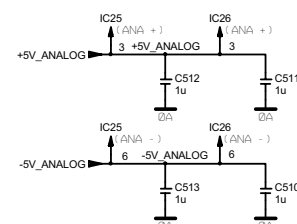
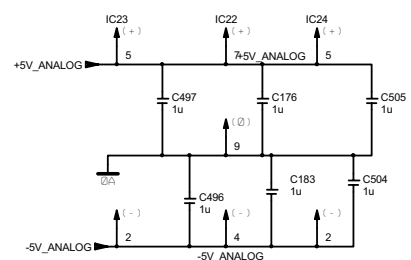
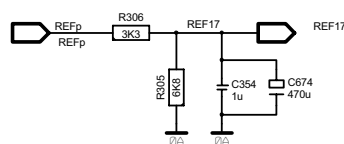
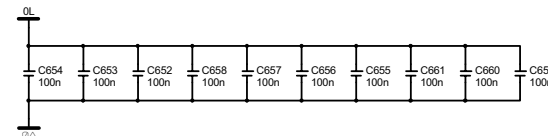
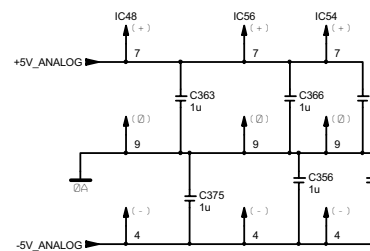
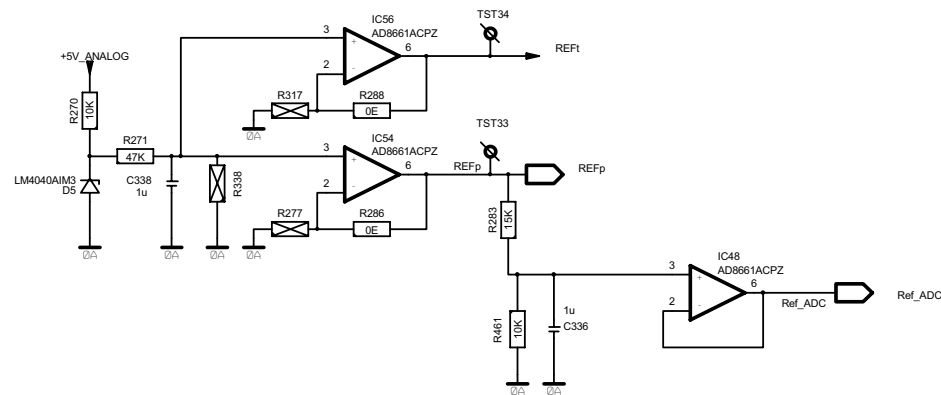
SHEET 130 - 2

ORG. DATE : 2006-05-09

L GRASS VALLEY NEDERLAND B.V. - BREDA



POWER SUPPLY ADC

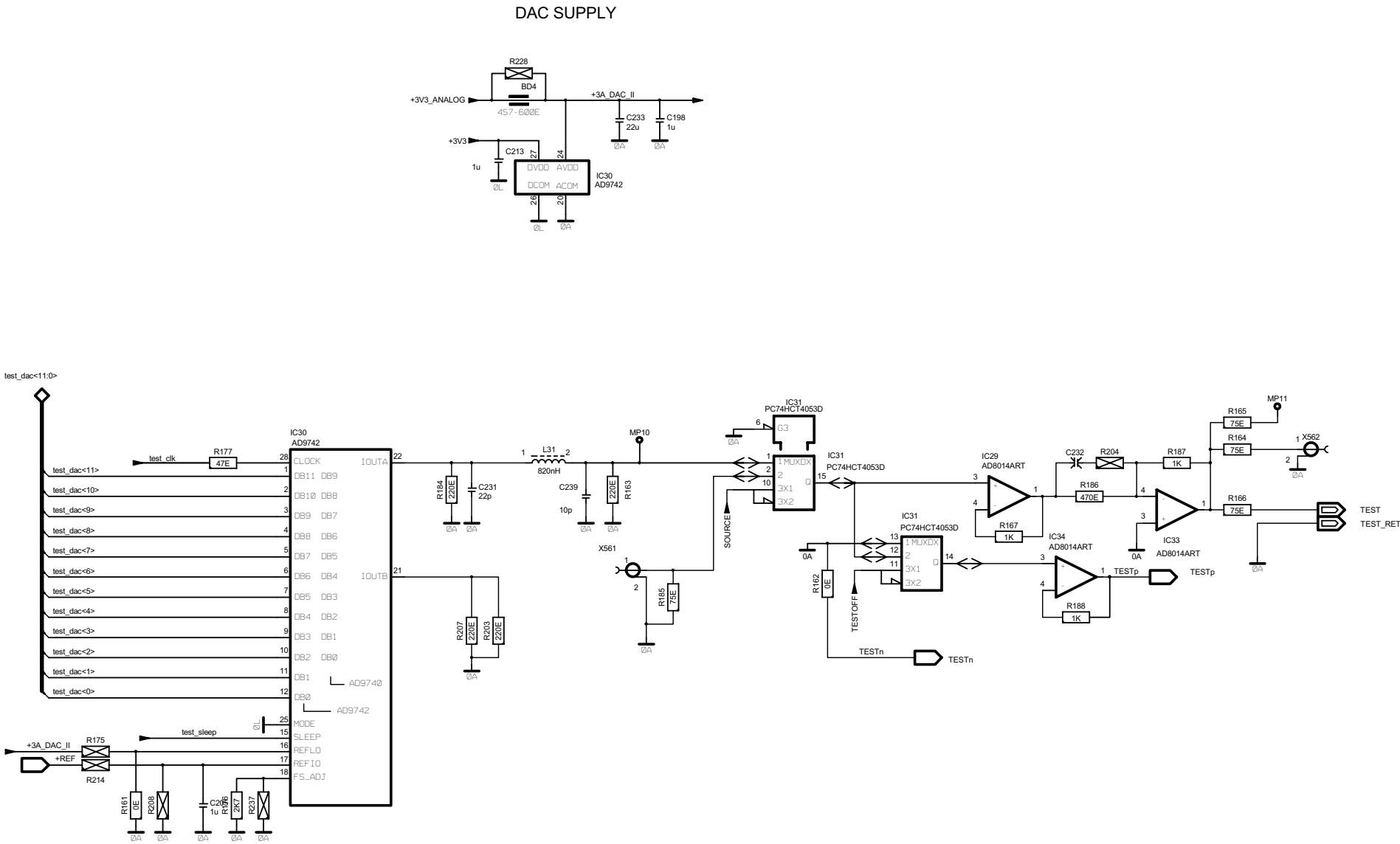
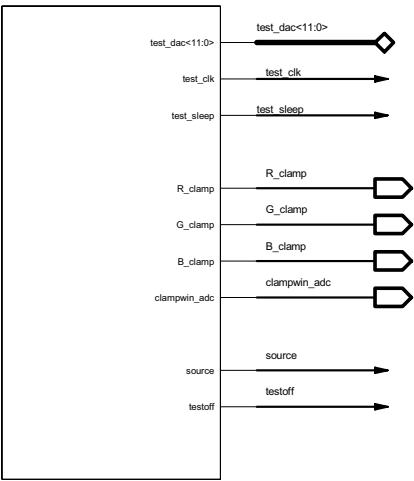


COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : ADC	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 3
ORG. DATE : 2006-05-09	
GRASS VALLEY NEDERLAND B.V. - BREDA	

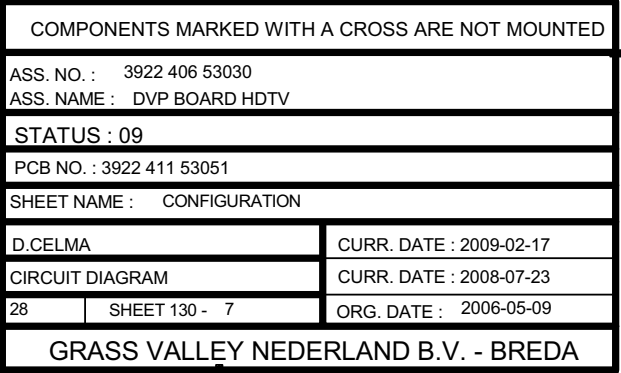
GRASS VALLEY

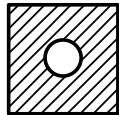
TEST SIGNAL ADC

SPEC5303_BANK6_ADC_3V3

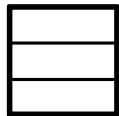
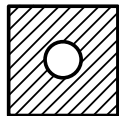


COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : ADC	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 4
GRASS VALLEY NEDERLAND B.V. - BREDA	





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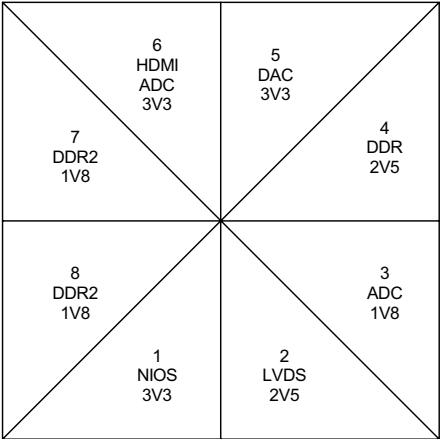


STRATIX SUPPLY

SPEC5303_POWER_SUPPLY_pcb

IC600

FPGA Bank layout

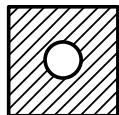


COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED

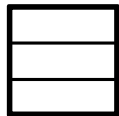
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : FPGA SUPPLY	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 8
ORG. DATE : 2006-05-09	

GRASS VALLEY NEDERLAND B.V. - BREDA

GRASS VALLEY

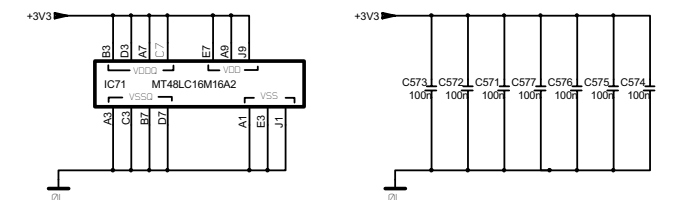
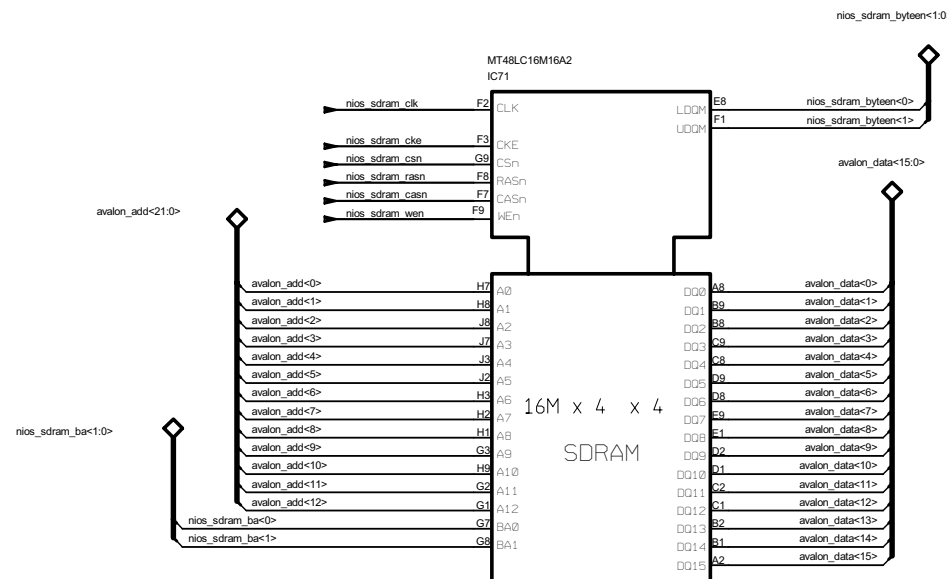
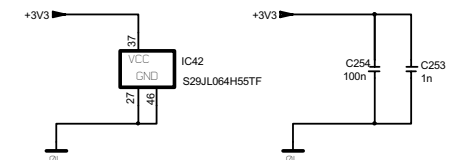
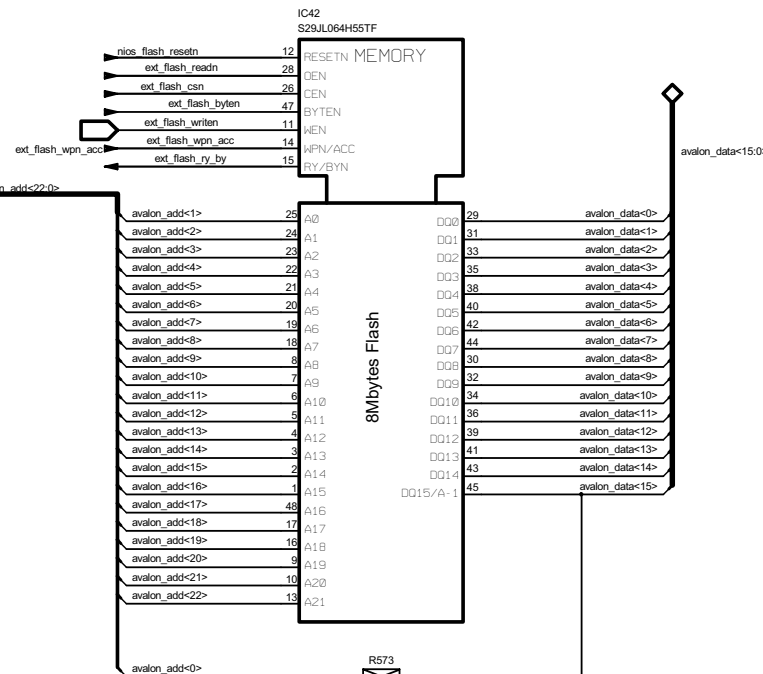
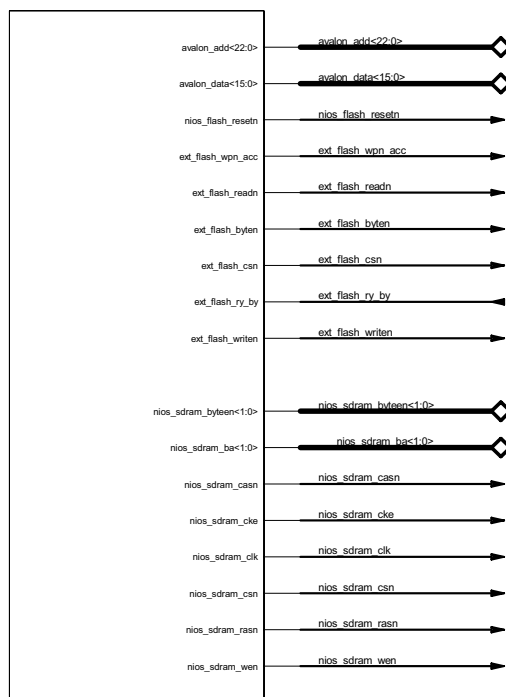


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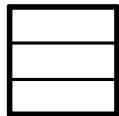
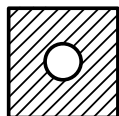
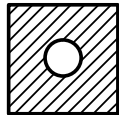
NIOS MEMORY

SPEC5303_BANK1_NIOS

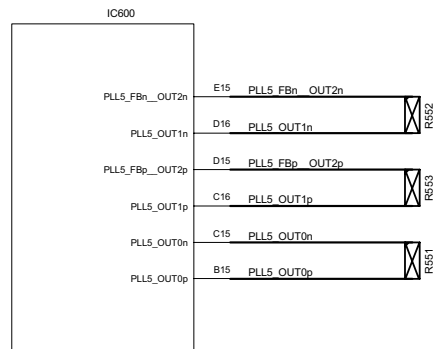


COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : NIOS	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 9
ORG. DATE : 2006-05-09	
GRASS VALLEY NEDERLAND B.V. - BREDA	

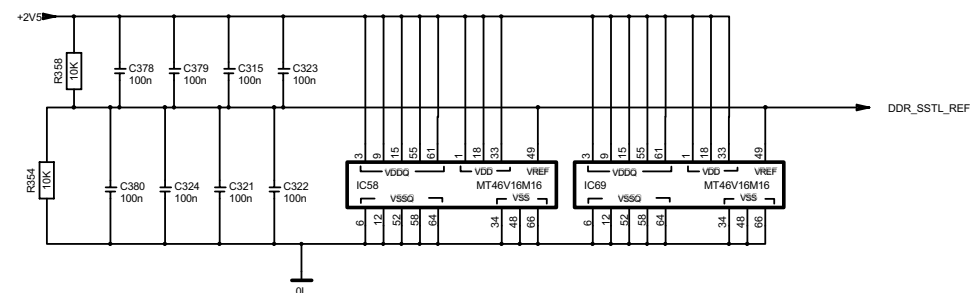
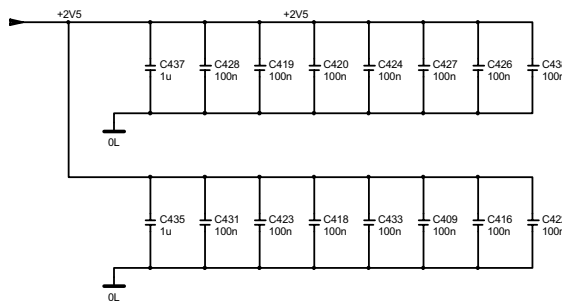
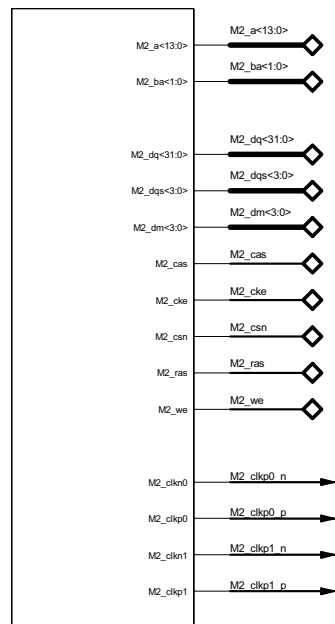
GRASS VALLEY



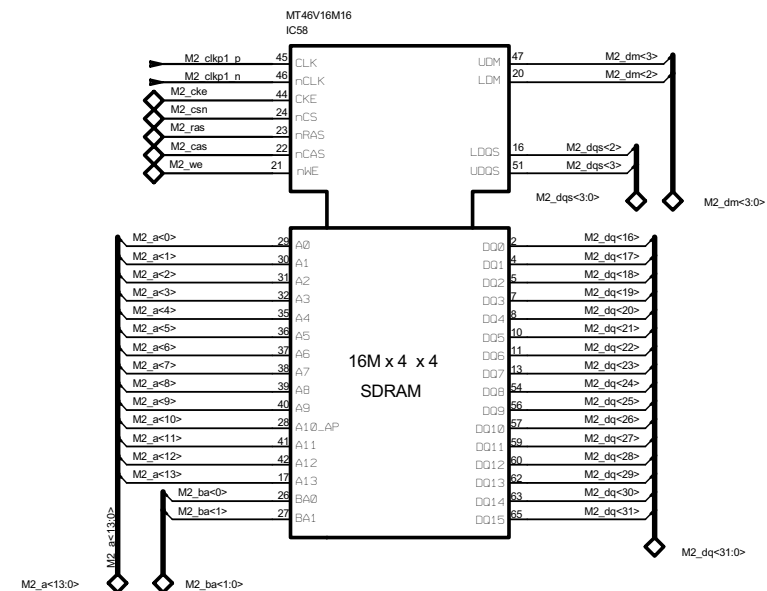
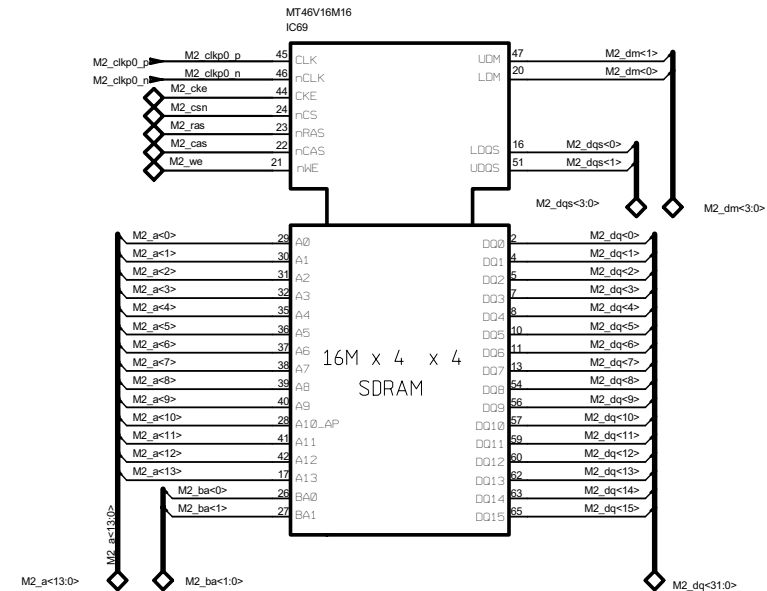
SPEC5303_BANK9_PLL5_DDR_pcb



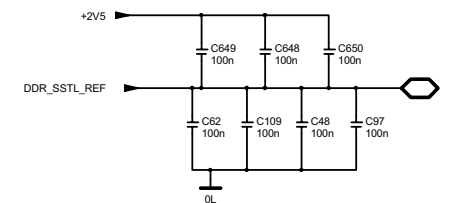
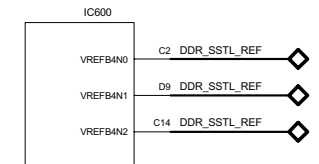
SPEC5303_BANK4_DDR



DDR MEMORY
2 x 32MB
a13 not used

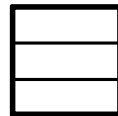
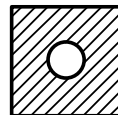


SPEC5303_BANK4_VREF_DDR_pcb

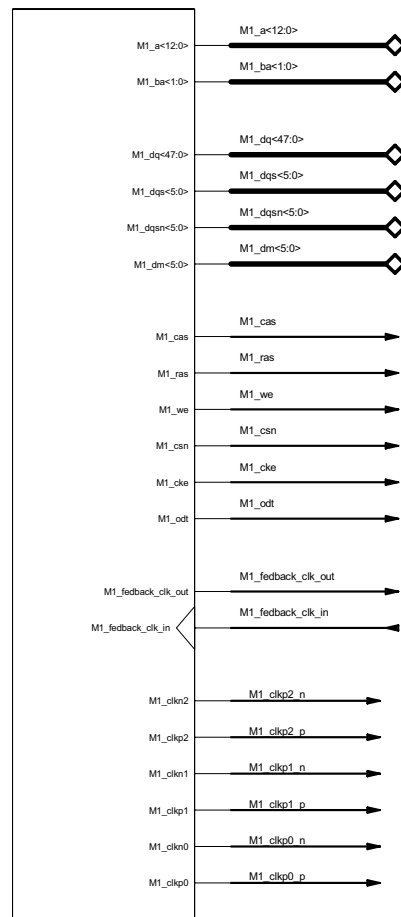


COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : DDR MEMORY	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 10
GRASS VALLEY NEDERLAND B.V. - BREDA	

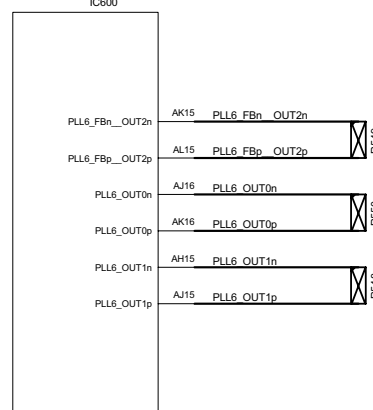
GRASS VALLEY



SPEC5303_BANK7_8_DDR2_1V8

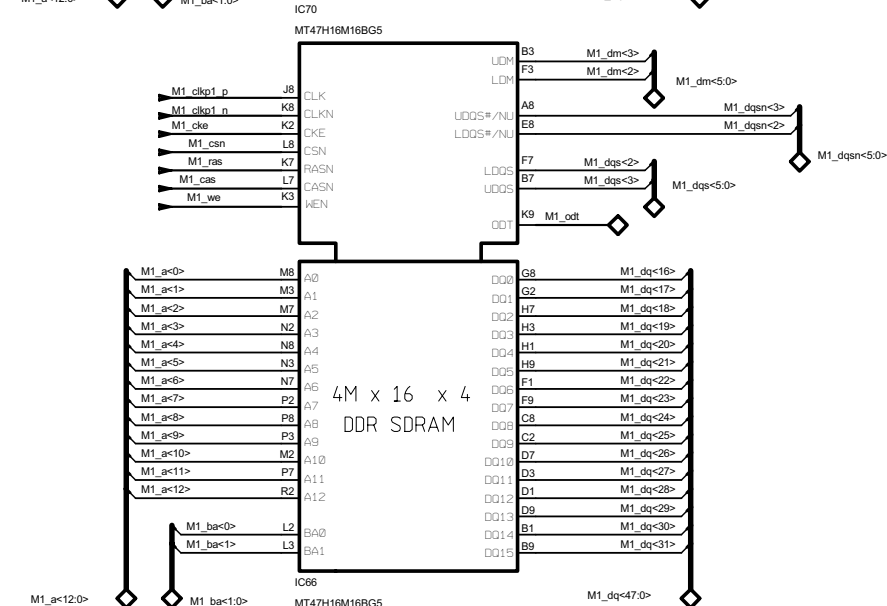
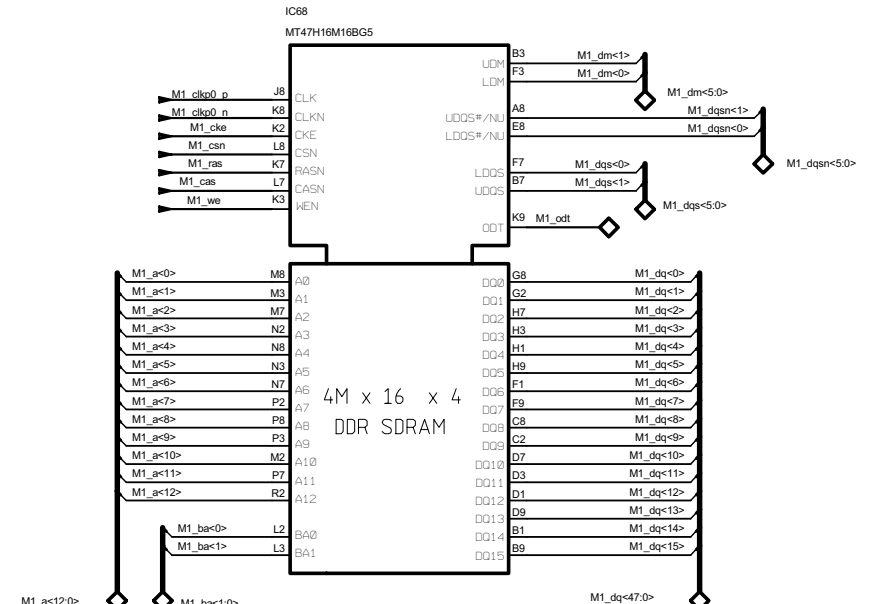


SPEC5303_BANK10_PLL6_DDR2_pcb

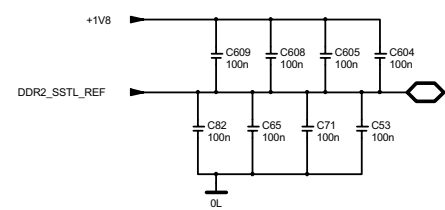
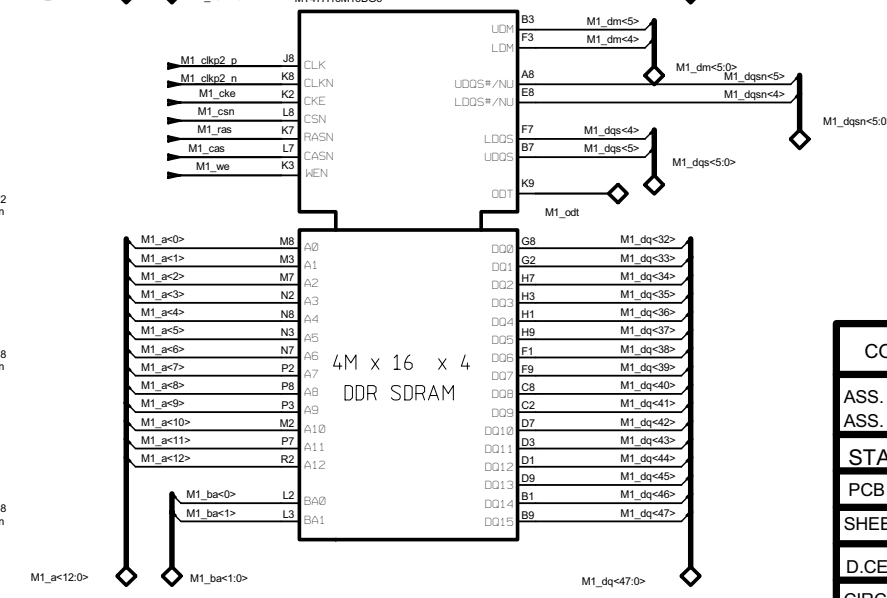
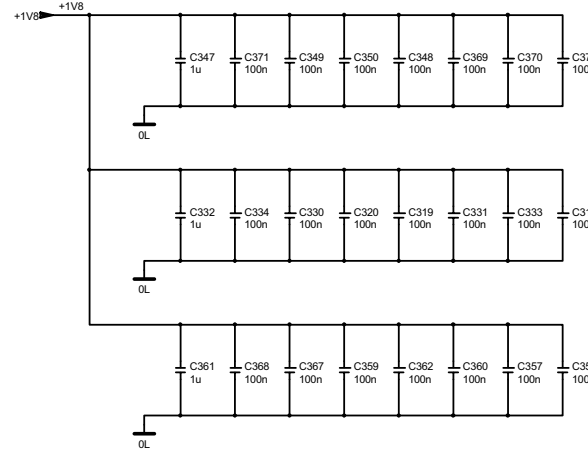
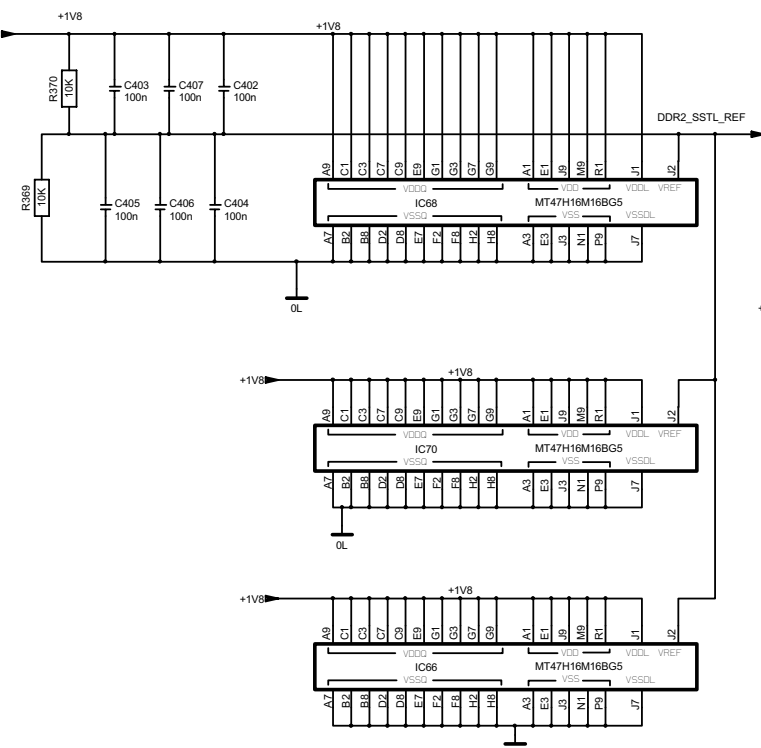
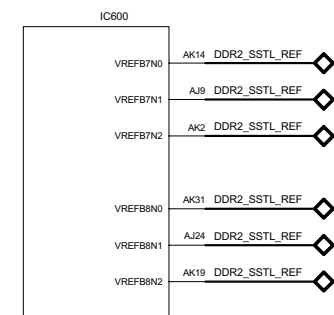


3 x 32 MB DDR2 SDRAM

DDR2 MEMORY

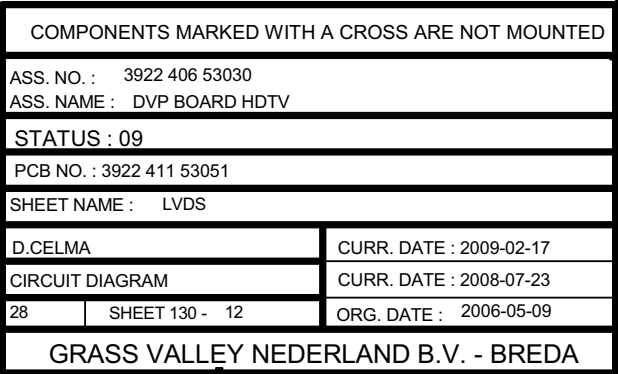


SPEC5303_BANK7_8_VREF_DDR2_pcb



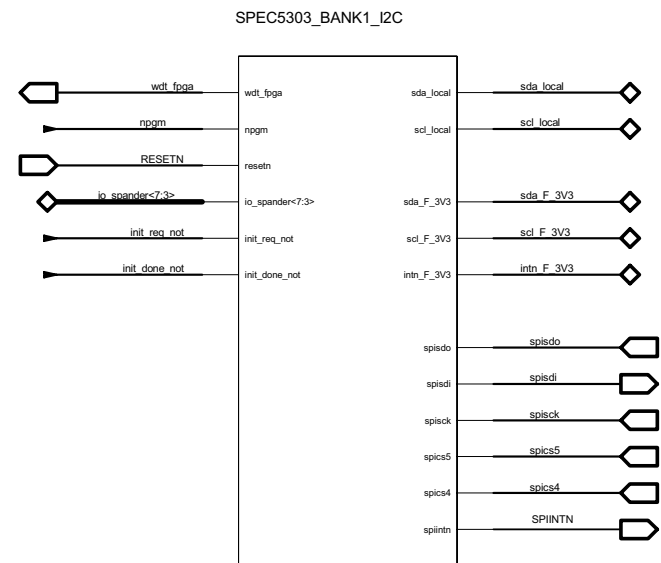
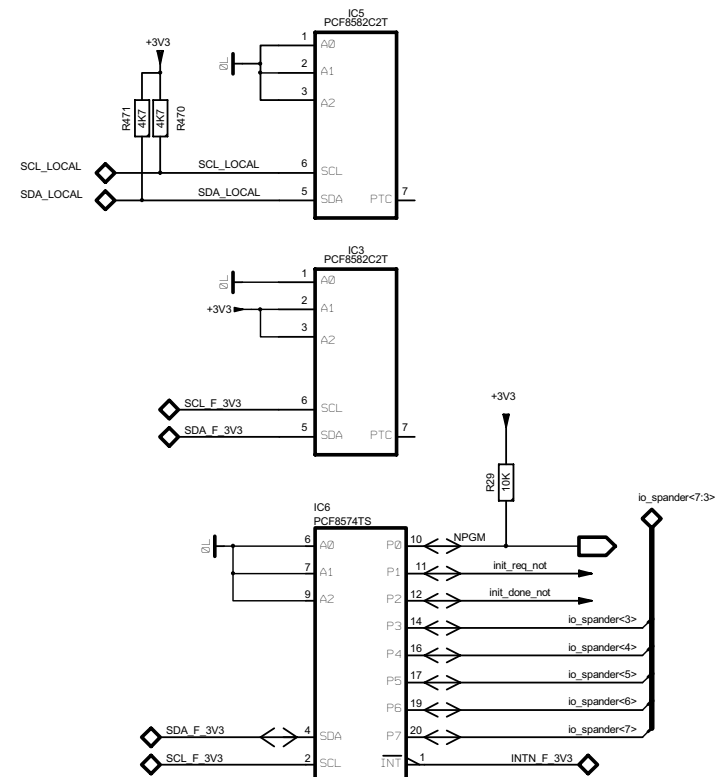
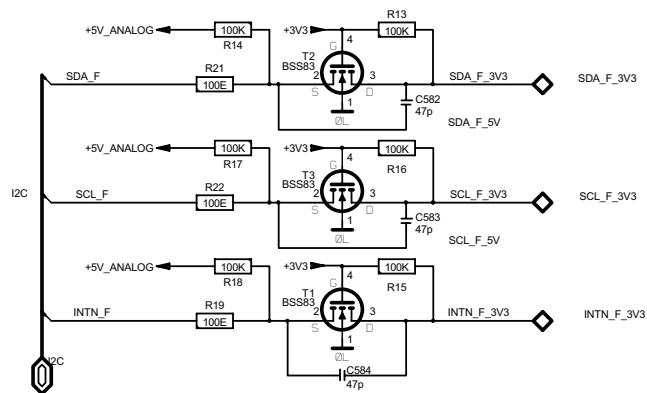
COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : DDR2 MEMORY	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
SHEET 130 -	SHEET 130 - 11
ORG. DATE : 2006-05-09	
GRASS VALLEY NEDERLAND B.V. - BREDA	



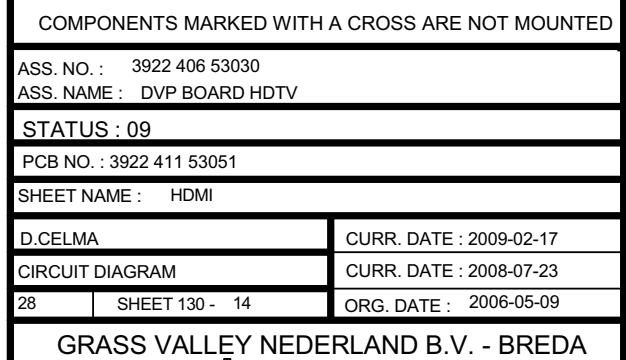


GRASS VALLEY

COMMUNICATION I2C & SPI

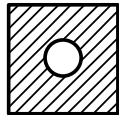


COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : I2C & SPI	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 13
ORG. DATE : 2006-05-09	
GRASS VALLEY NEDERLAND B.V. - BREDA	

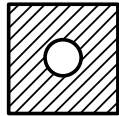


HDMI

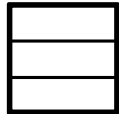
GRASS VALLEY



Check this box
if the component is not mounted on the board
due to a manufacturing error.

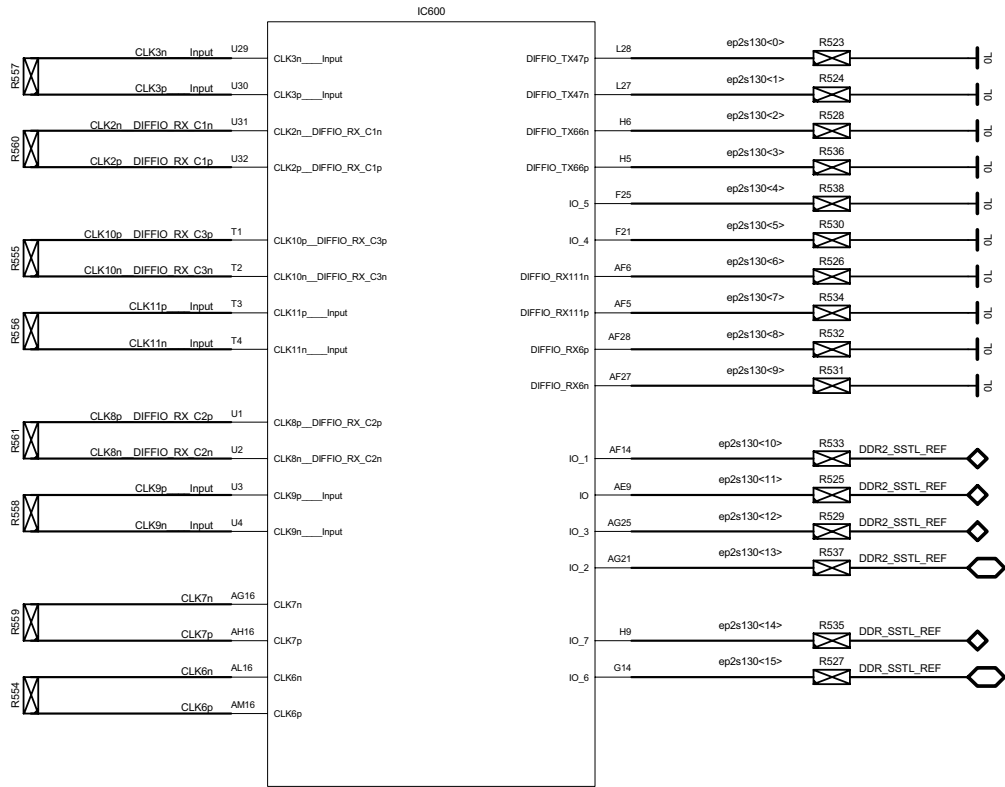


Check this box
if the component is not mounted on the board
due to a manufacturing error.



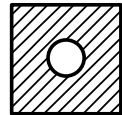
EP2S90 TO EP2S130 MIGRATION

SPEC5303_EP2S130_MIGRATION_pcb

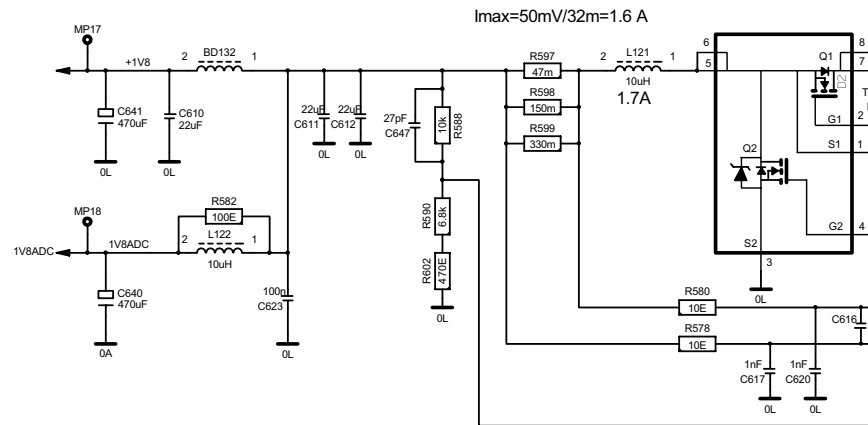
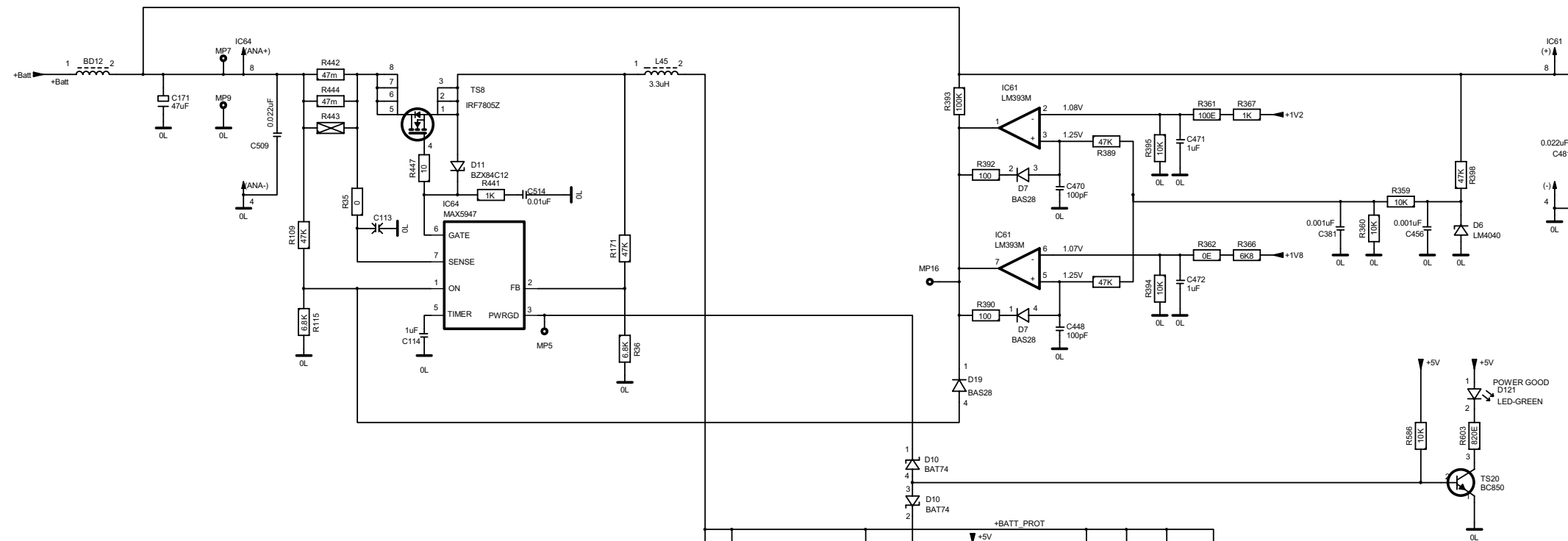
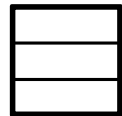
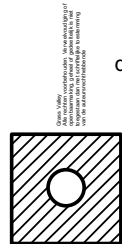


COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED		
ASS. NO. : 3922 406 53030		
ASS. NAME : DVP BOARD HDTV		
STATUS : 09		
PCB NO. : 3922 411 53051		
SHEET NAME : EP2S90 TO EP2S130 MIGRATION		
D.CELMA		CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM		CURR. DATE : 2008-07-23
28	SHEET 130 - 15	ORG. DATE : 2006-05-09
GRASS VALLEY NEDERLAND B.V. - BREDA		

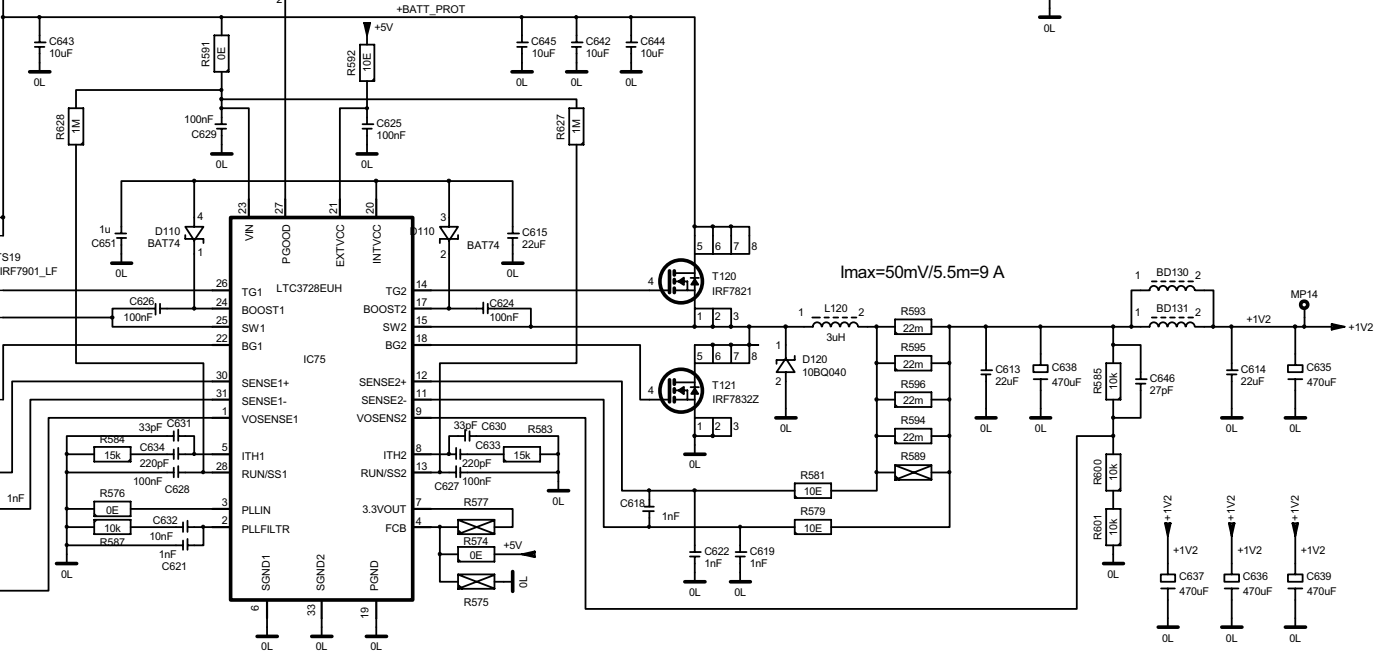
GRASS VALLEY



GRASS VALLEY

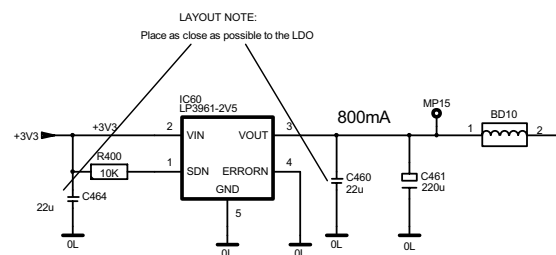


+1V8 1.6A DC-DC CONVERTER

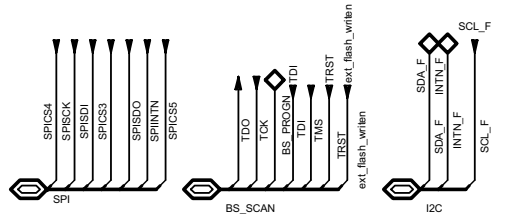


+1V2 9A DC-DC CONVERTER

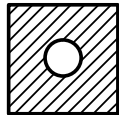
+2V5 GENERATION VOLTAGE



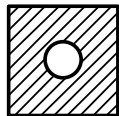
COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : POWER	
D.CELMA	CURR. DATE : 2008-07-23
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 23
ORG. DATE : 2006-05-09	
GRASS VALLEY NEDERLAND B.V. - BREDA	



GRASS VALLEY

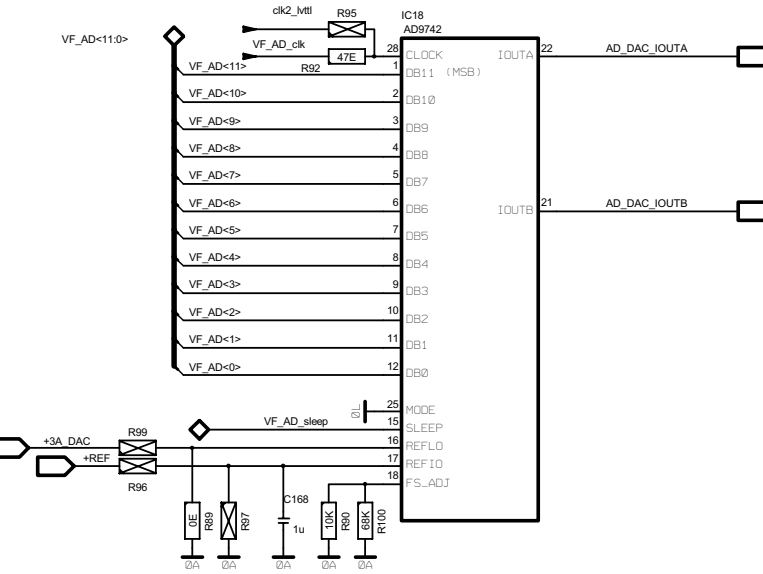
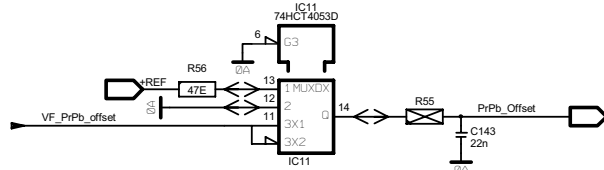
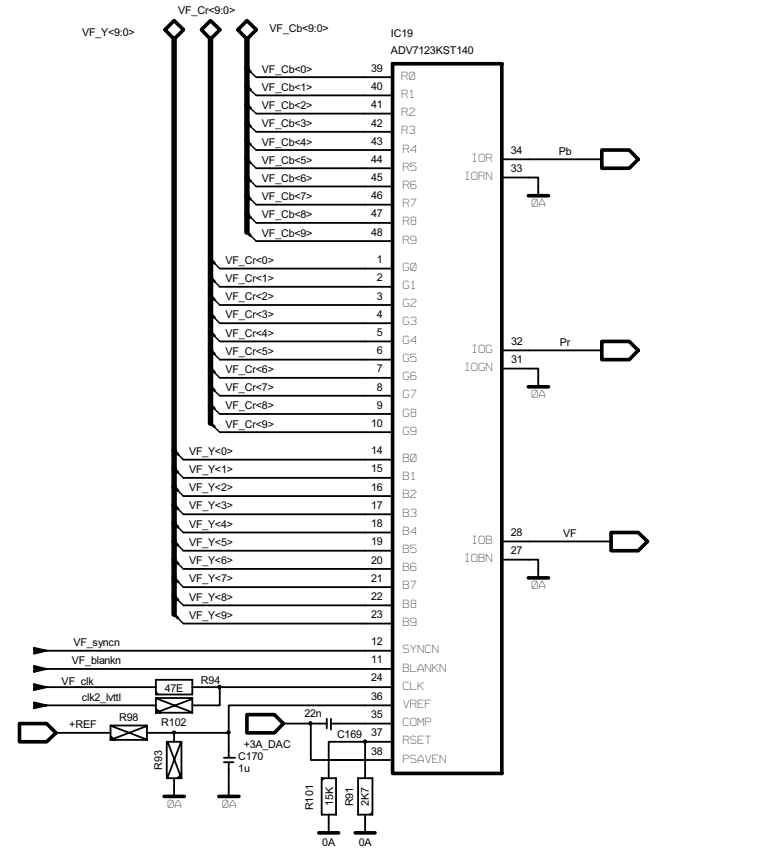
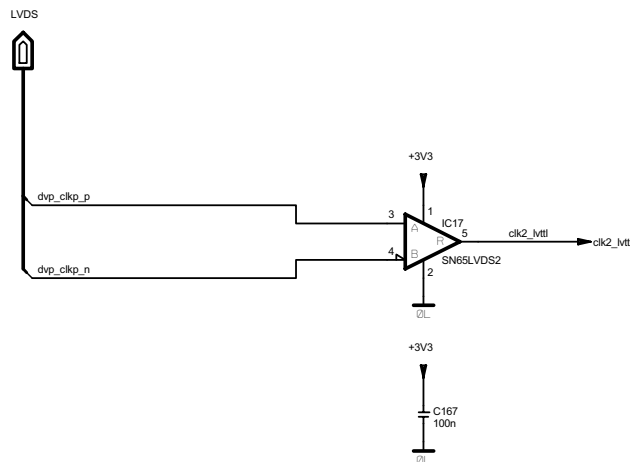
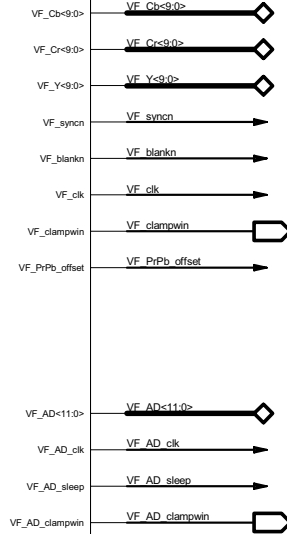


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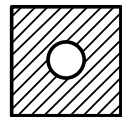
SPEC5303_BANK5_DAC_3V3



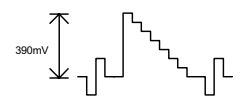
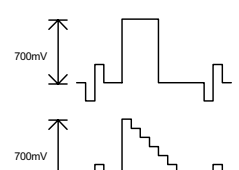
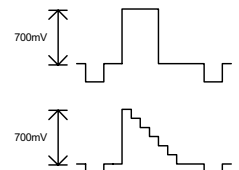
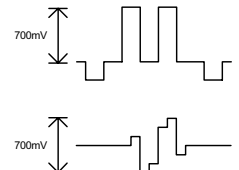
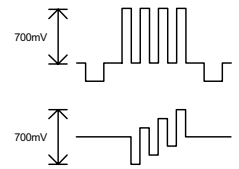
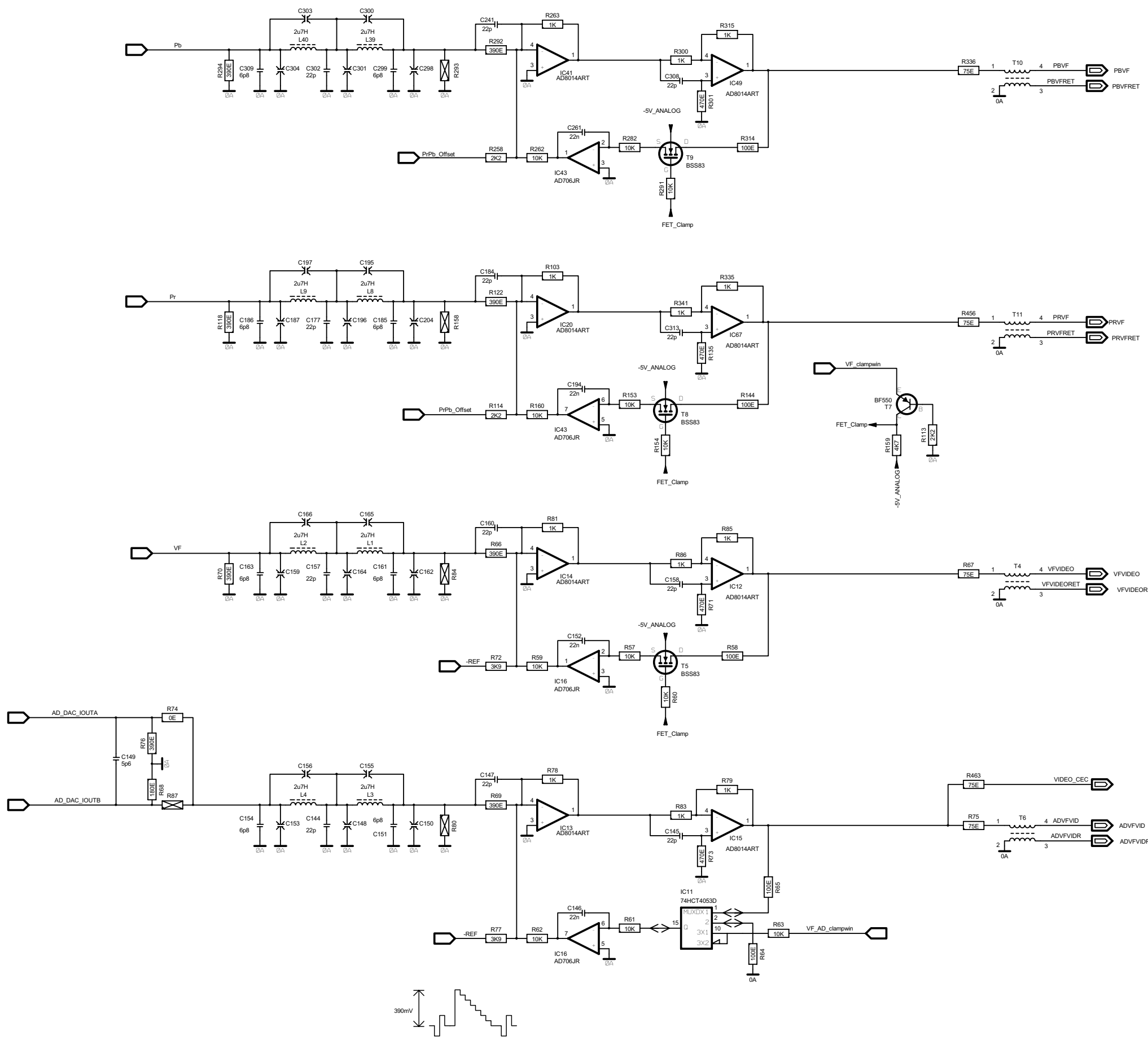
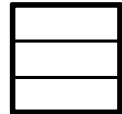
DAC'S

COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED	
ASS. NO. : 3922 406 53030	
ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : DAC	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 25
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GRASS VALLEY



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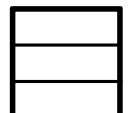
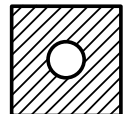
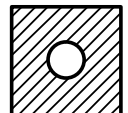


DAC'S

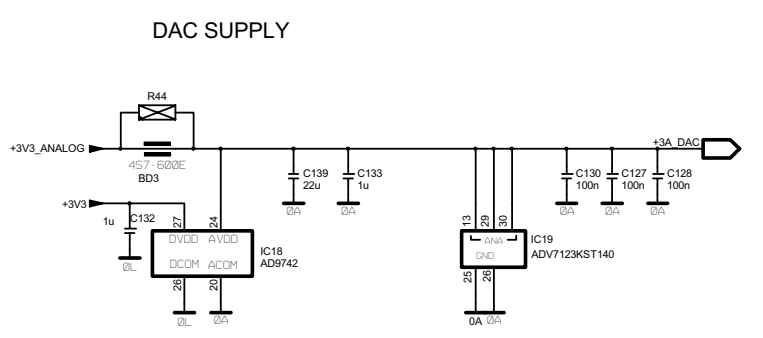
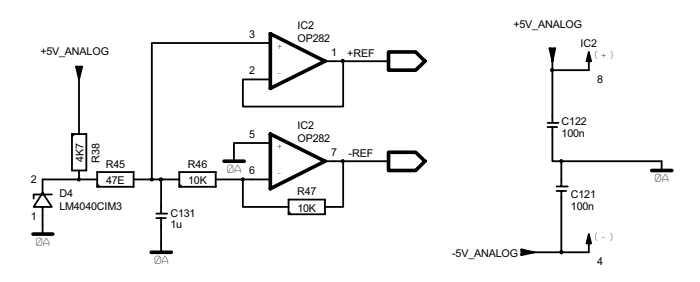
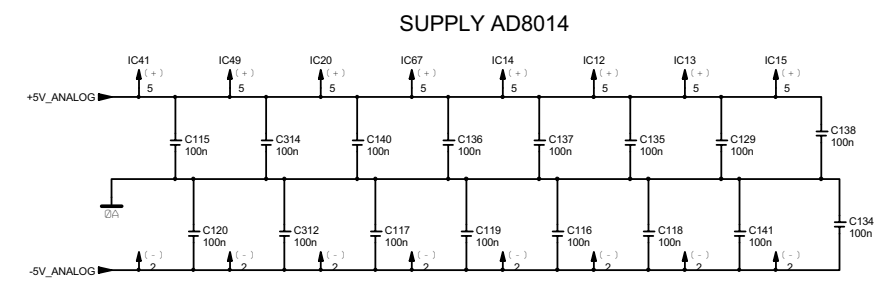
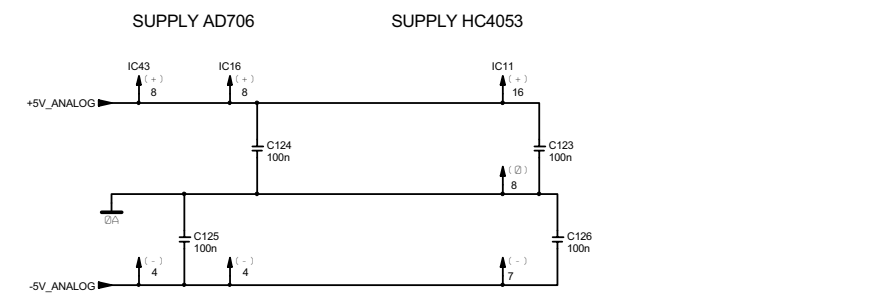
D/A CONVERSION #800 #900

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ASS. NAME : DVP BOARD HDTV	
STATUS : 09	
PCB NO. : 3922 411 53051	
SHEET NAME : DAC	
D.CELMA	CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM	CURR. DATE : 2008-07-23
28	SHEET 130 - 26
ORG. DATE : 2006-05-09	
GRASS VALLEY NEDERLAND B.V. - BREDA	

GRASS VALLEY



POWER SUPPLY DAC'S



COMPONENTS MARKED WITH A CROSS ARE NOT MOUNTED		
ASS. NO. : 3922 406 53030		
ASS. NAME : DVP BOARD HDTV		
STATUS : 09		
PCB NO. : 3922 411 53051		
SHEET NAME : DAC		
D.CELMA		CURR. DATE : 2009-02-17
CIRCUIT DIAGRAM		CURR. DATE : 2008-07-23
28	SHEET 130 - 27	ORG. DATE : 2006-05-09
GRASS VALLEY NEDERLAND B.V. - BREDA		