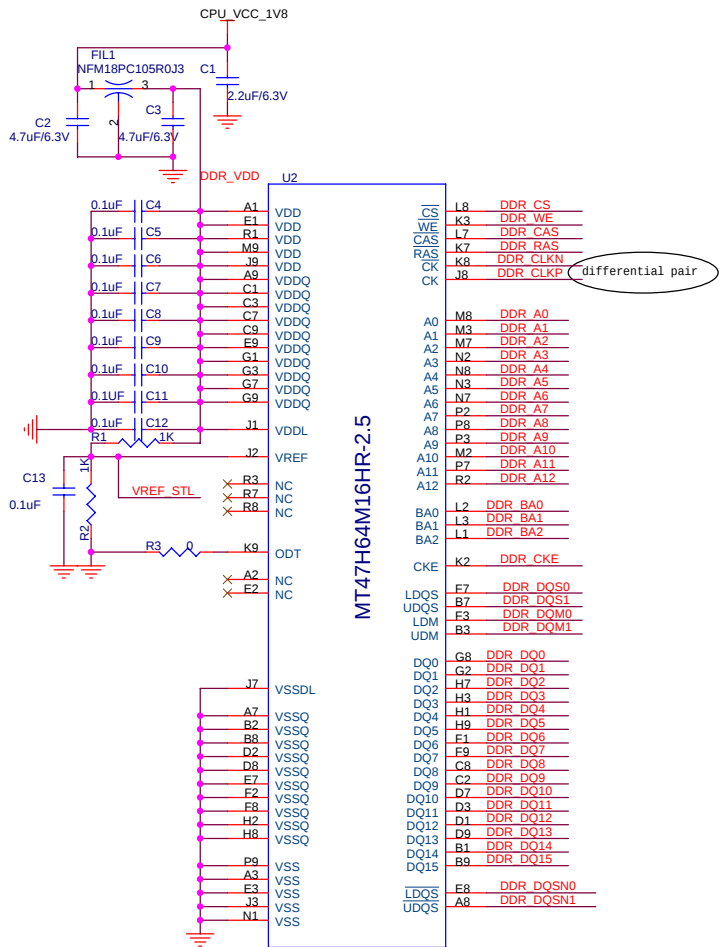


REV	DESCRIPTION	DATE	APPROVED
1.0	Initial schematic	06/01/09	
1.5	Change Resistor Array to single Resistor	10/16/10	

SCHEMATIC CONTENTS

SHEET01 - TITLE
SHEET02 - DM368 DDR2 INTERFACE
SHEET03 - DM368 EMIF/BOOT MODES/CFG MODES
SHEET04 - DM368 USB
SHEET05 - DM368 VIDEO PORT IN
SHEET06 - DM368 VIDEO PORT OUT
SHEET07 - DM368 ANALOG VIDEO OUT
SHEET08 - DM368 SD/MMC/MS IF
SHEET09 - DM368 I/O
SHEET10 - DM368 JTAG,CLKS,RESET
SHEET11 - DM368 ADC
SHEET12 - DM368 MIC/SPEAKER
SHEET13 - DM368 POWER PINS
SHEET14 - DM368 POWER CONTROL
SHEET15 - DM368 GROUND PINS
SHEET16 - DM368 DECOUPLING CAPS
SHEET17 - NAND FLASH
SHEET18 - VIDEO COMPONENT OUT
SHEET19 - AIC3104
SHEET20 - ETHERNET PHY
SHEET21 - POWER IN

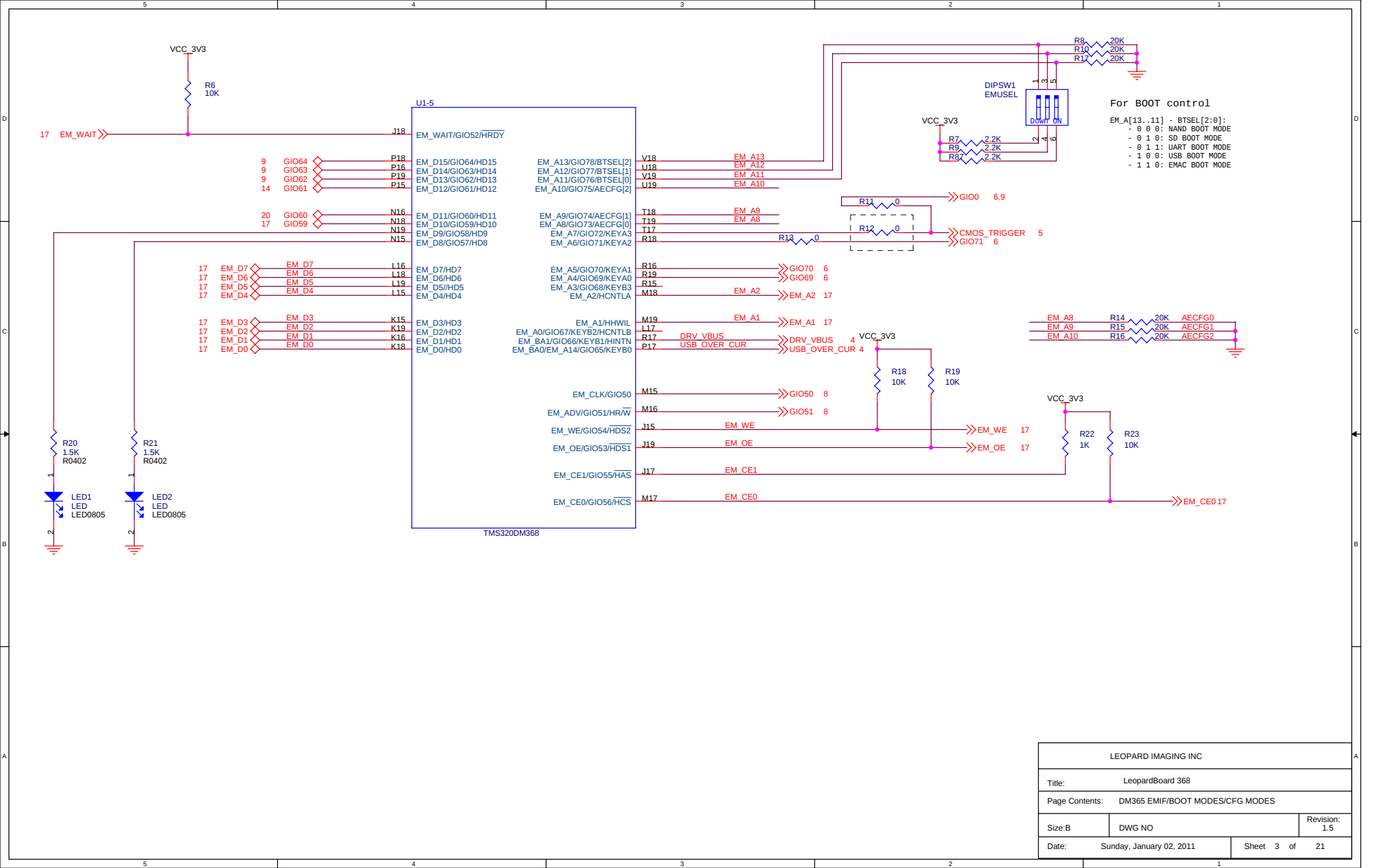
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: TITLE SHEET			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 1 of 21		



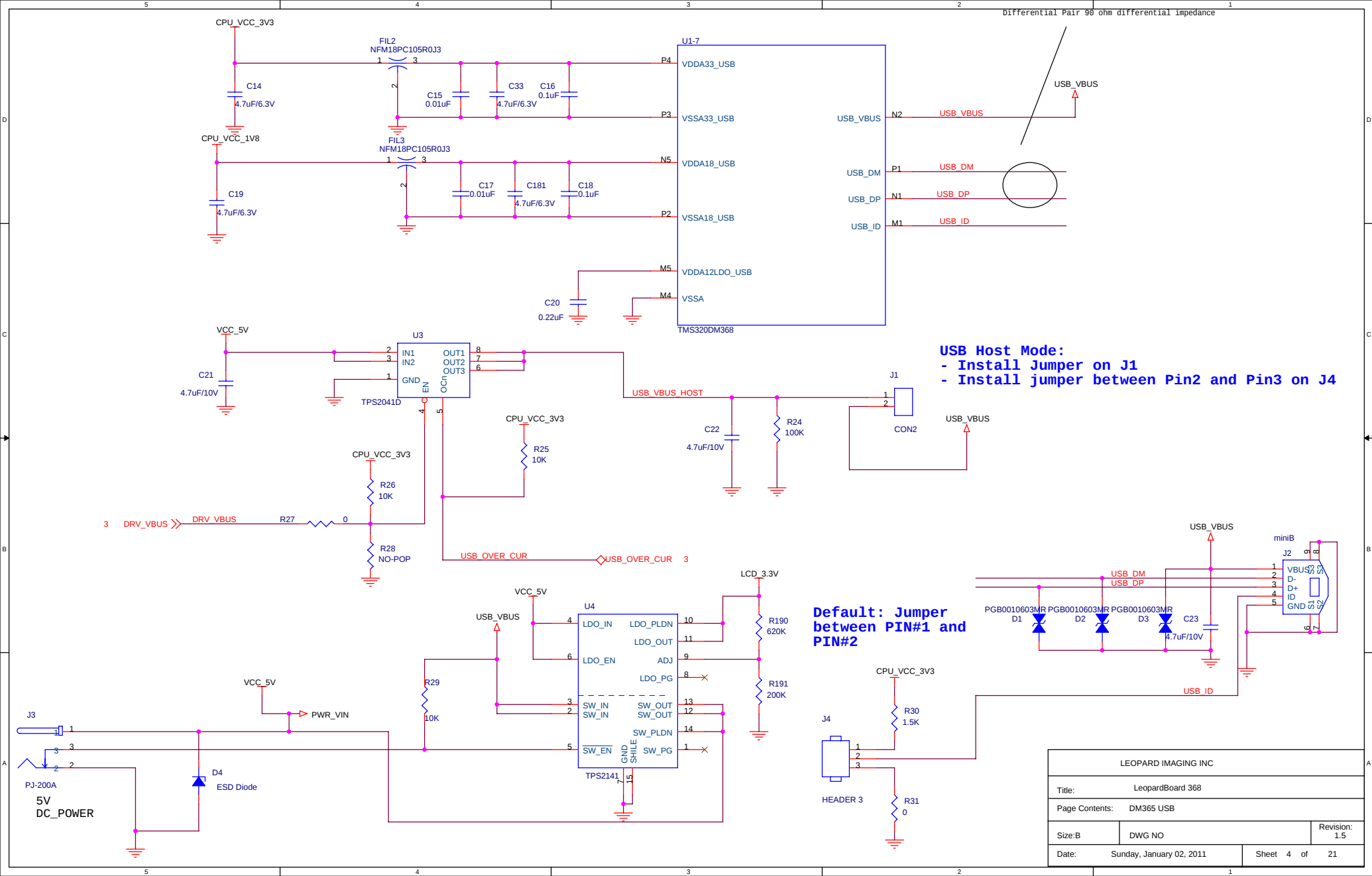
DDR_STRBEN is trace to DDR memory
for delay compensation

This net is equal to the DDR_CLKP (or DDR_CLKN)
plus
the length of DDR_DQXX Average Trace length

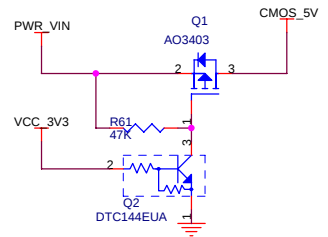
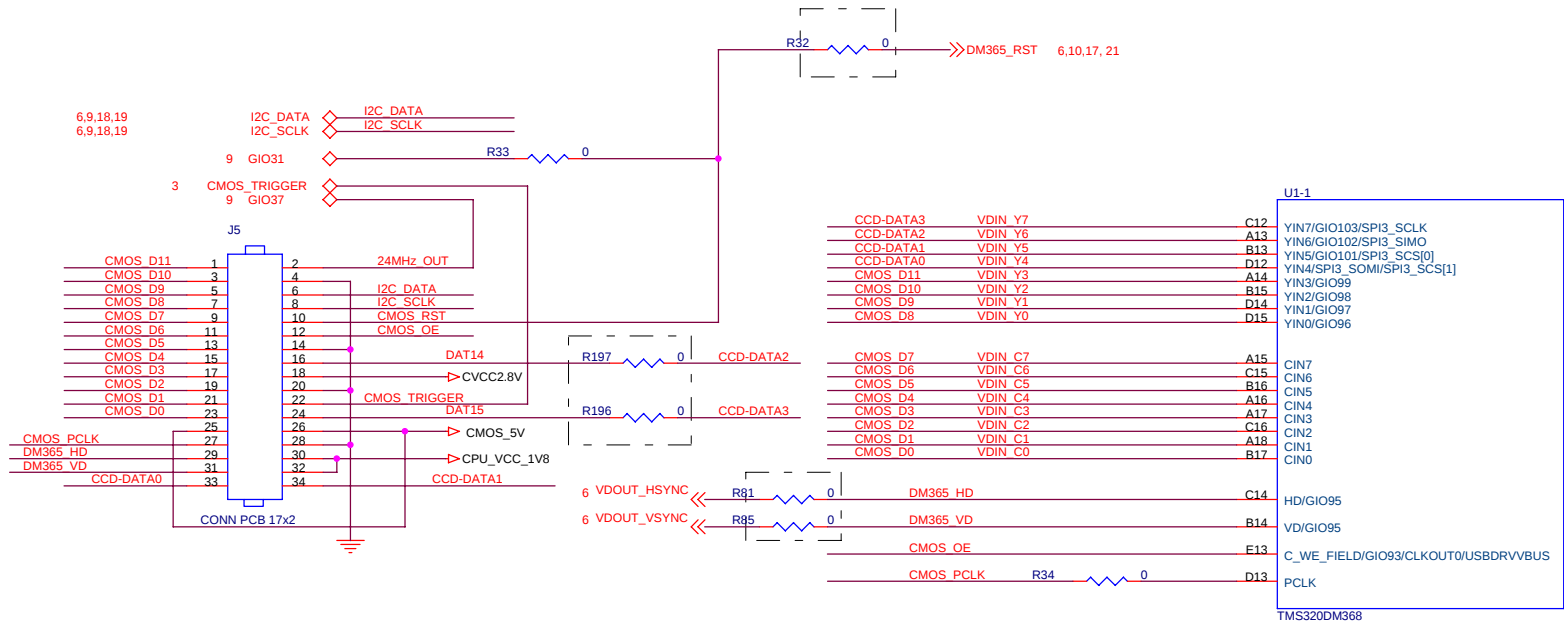
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 DDR INTERFACE			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 2 of 21		



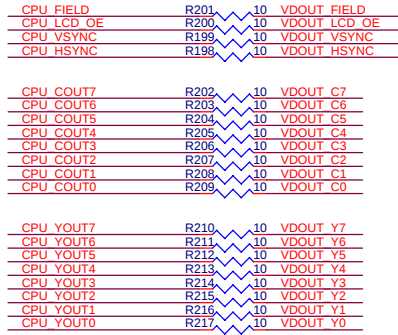
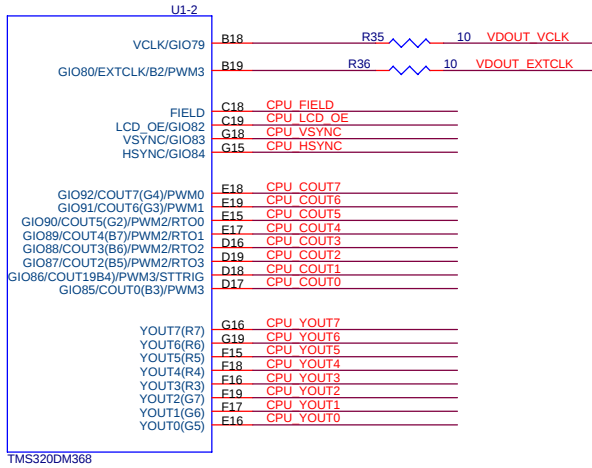
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 EMIF/BOOT MODES/CFG MODES			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 3 of 21		



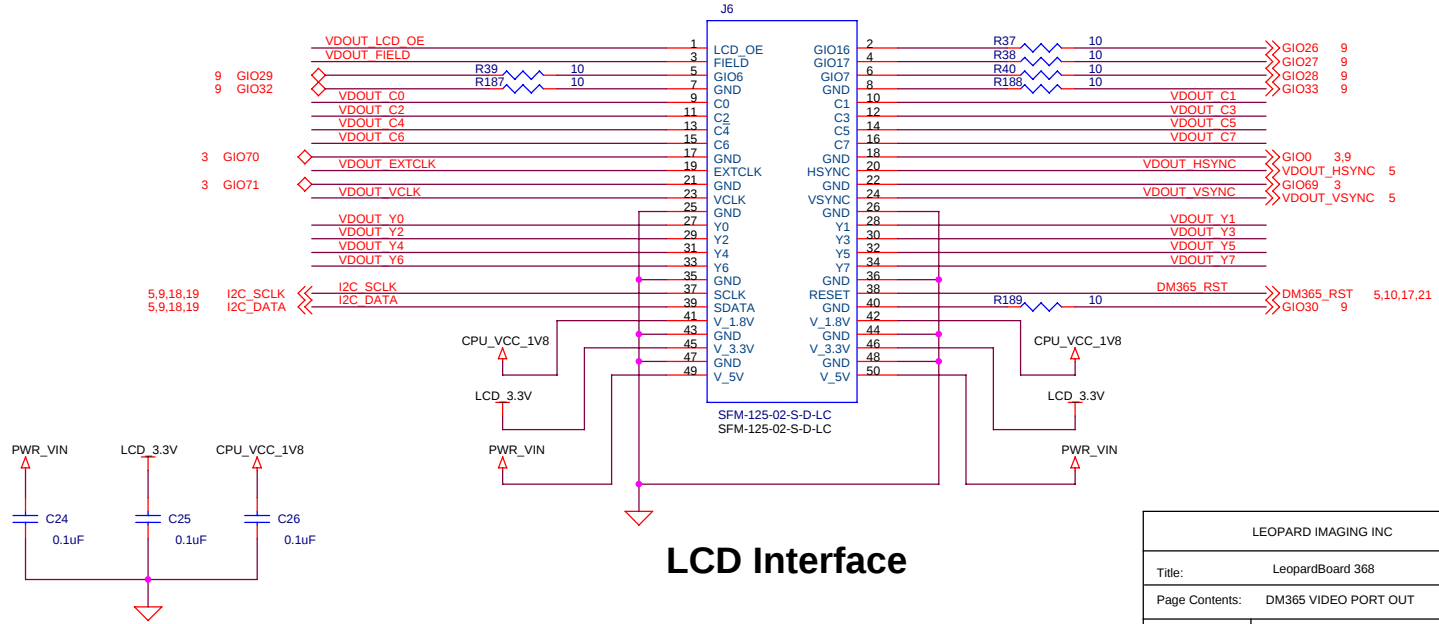
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 USB			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 4 of 21		



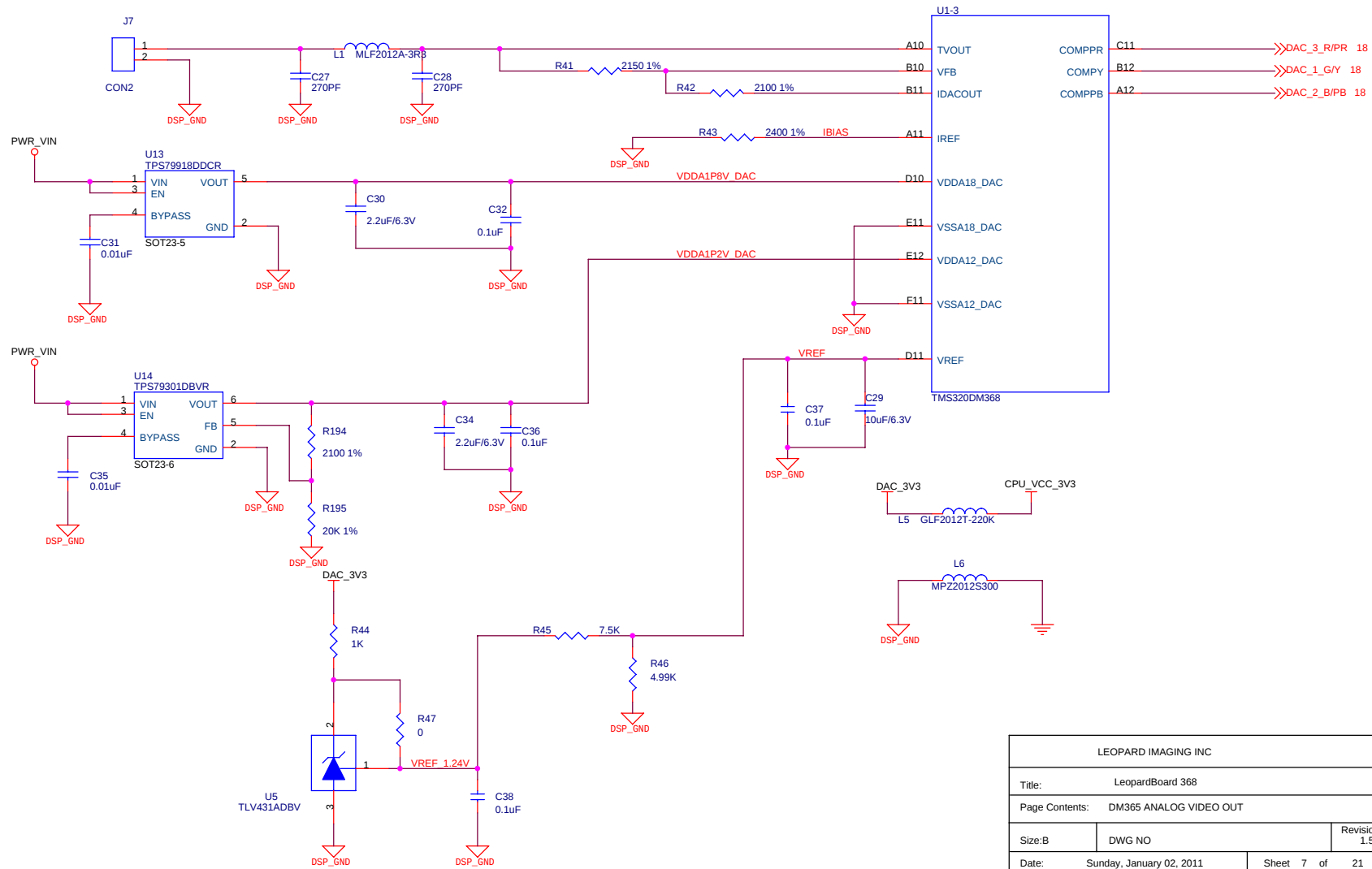
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 VIDEO IN			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 5 of 21		

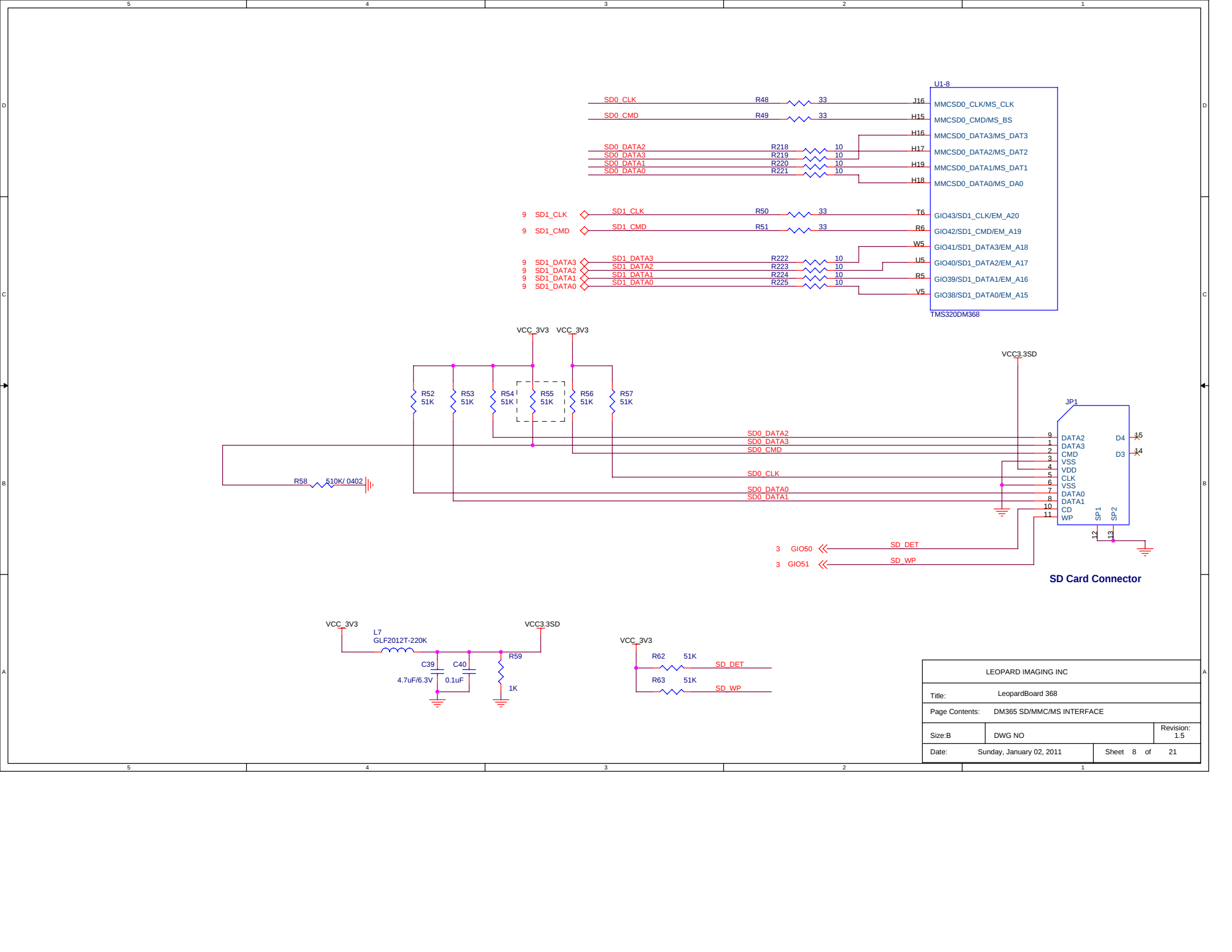


- R0 - GIO32
- R1 - GIO33
- R2 - VDOUT_FIELD
- R3 - YOUT3
- R4 - YOUT4
- R5 - YOUT5
- R6 - YOUT6
- R7 - YOUT7
- B0 - GIO27
- B1 - GIO28
- B2 - VDOUT_EXTCLK
- B3 - COUT0
- B4 - COUT1
- B5 - COUT2
- B6 - COUT3
- B7 - COUT4
- G0 - GIO29
- G1 - GIO30
- G2 - COUT5
- G3 - COUT6
- G4 - COUT7
- G5 - YOUT0
- G6 - YOUT1
- G7 - YOUT2



LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 VIDEO PORT OUT			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 6 of 21		





U1-8

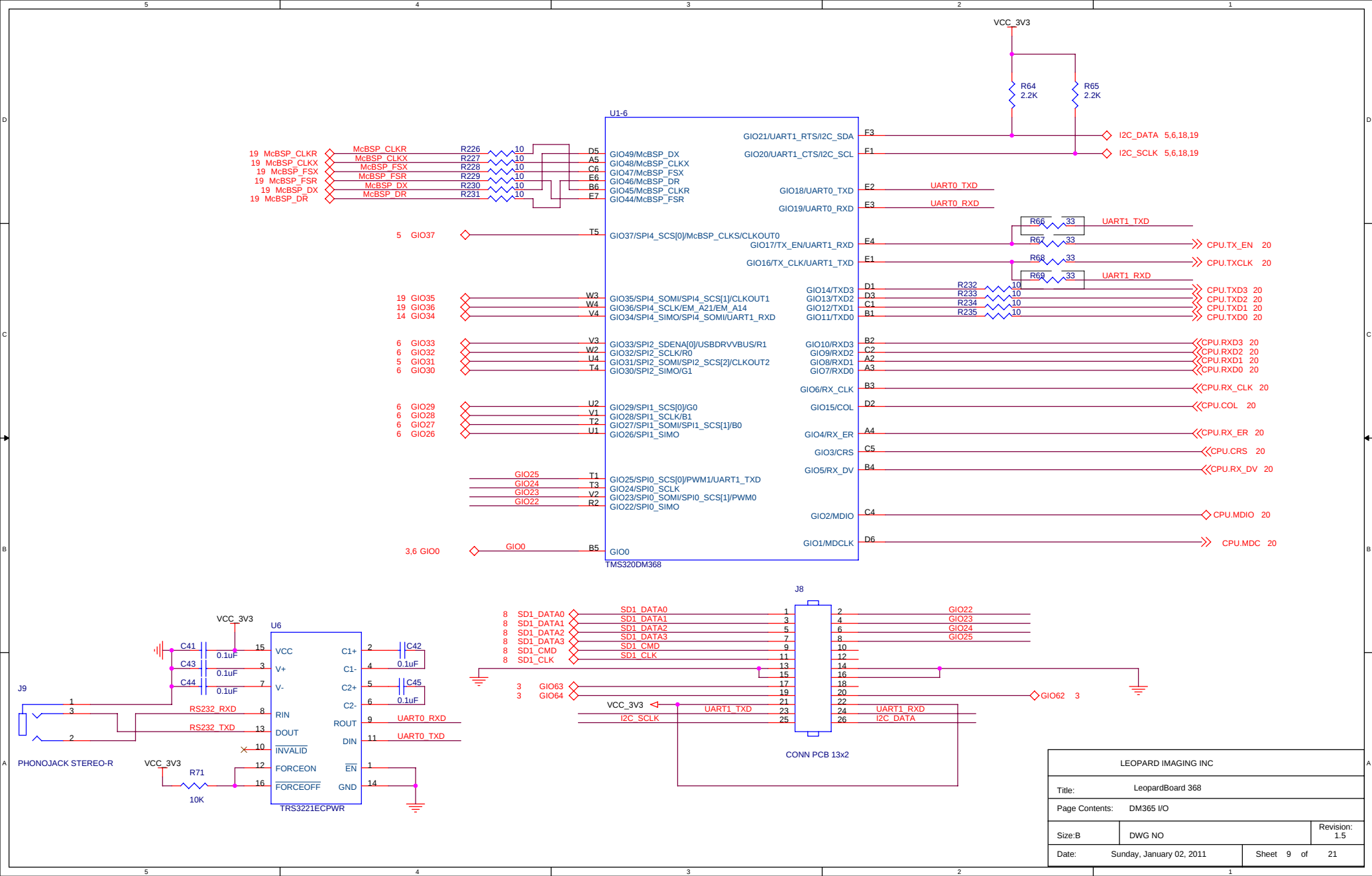
MMCSDB0_CLK/MS_CLK	J16
MMCSDB0_CMD/MS_BS	H15
MMCSDB0_DATA3/MS_DAT3	H16
MMCSDB0_DATA2/MS_DAT2	H17
MMCSDB0_DATA1/MS_DAT1	H19
MMCSDB0_DATA0/MS_DA0	H18

TMS320DM368

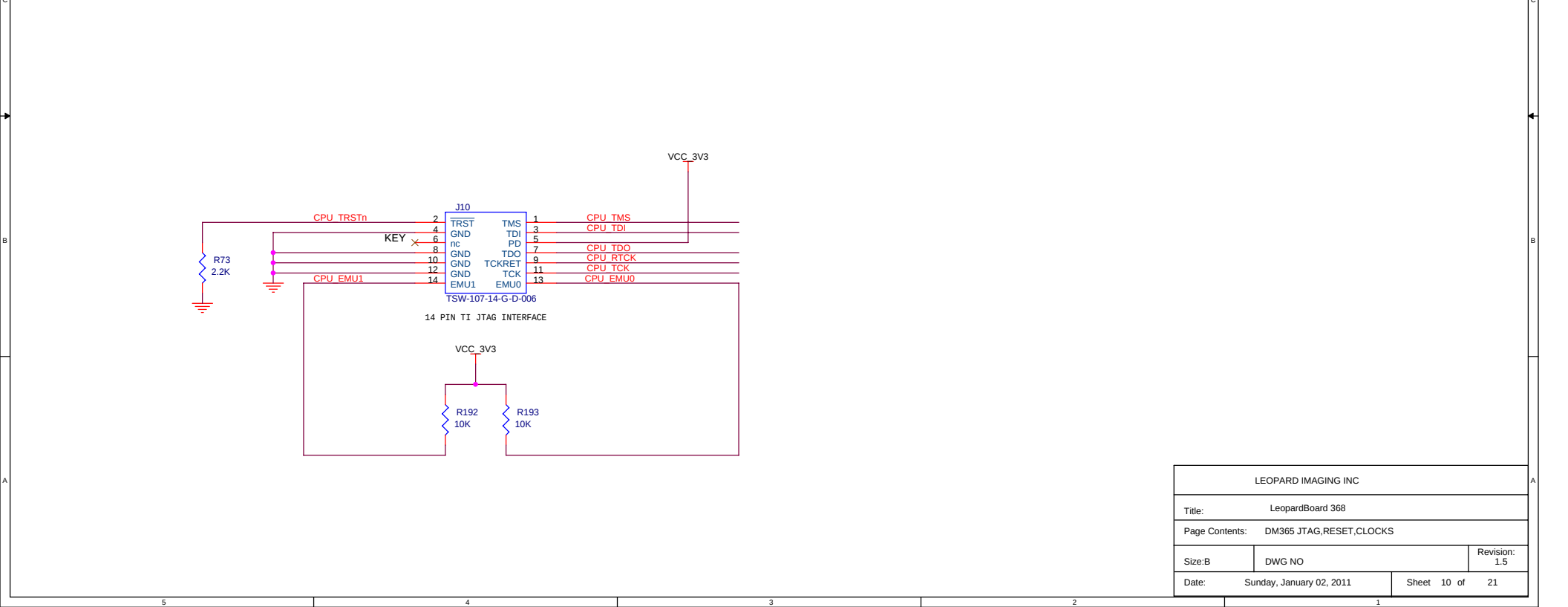
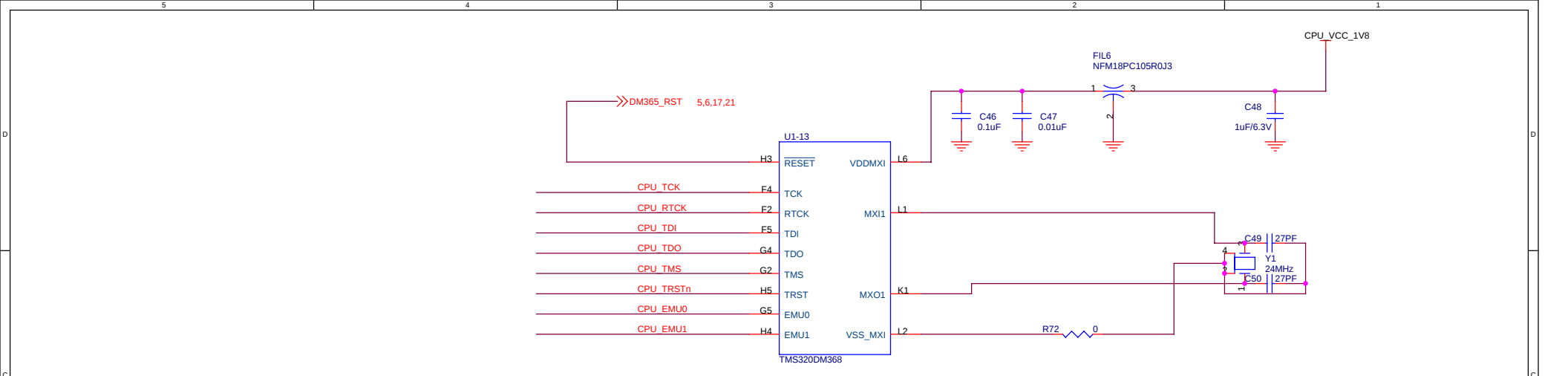
JP1

9	DATA2	D4
1	DATA3	
2	CMD	D3
3	VSS	
4	VDD	
5	CLK	
6	VSS	
7	DATA0	
8	DATA1	
10	CD	
11	WP	
12	SP1	
13	SP2	

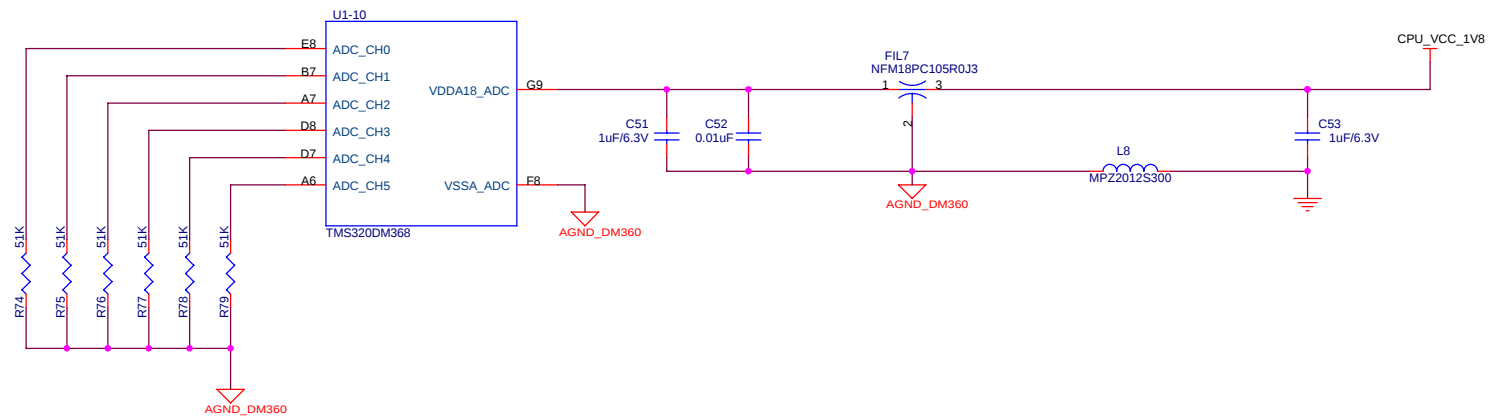
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 SD/MMC/MS INTERFACE			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 8 of 21		



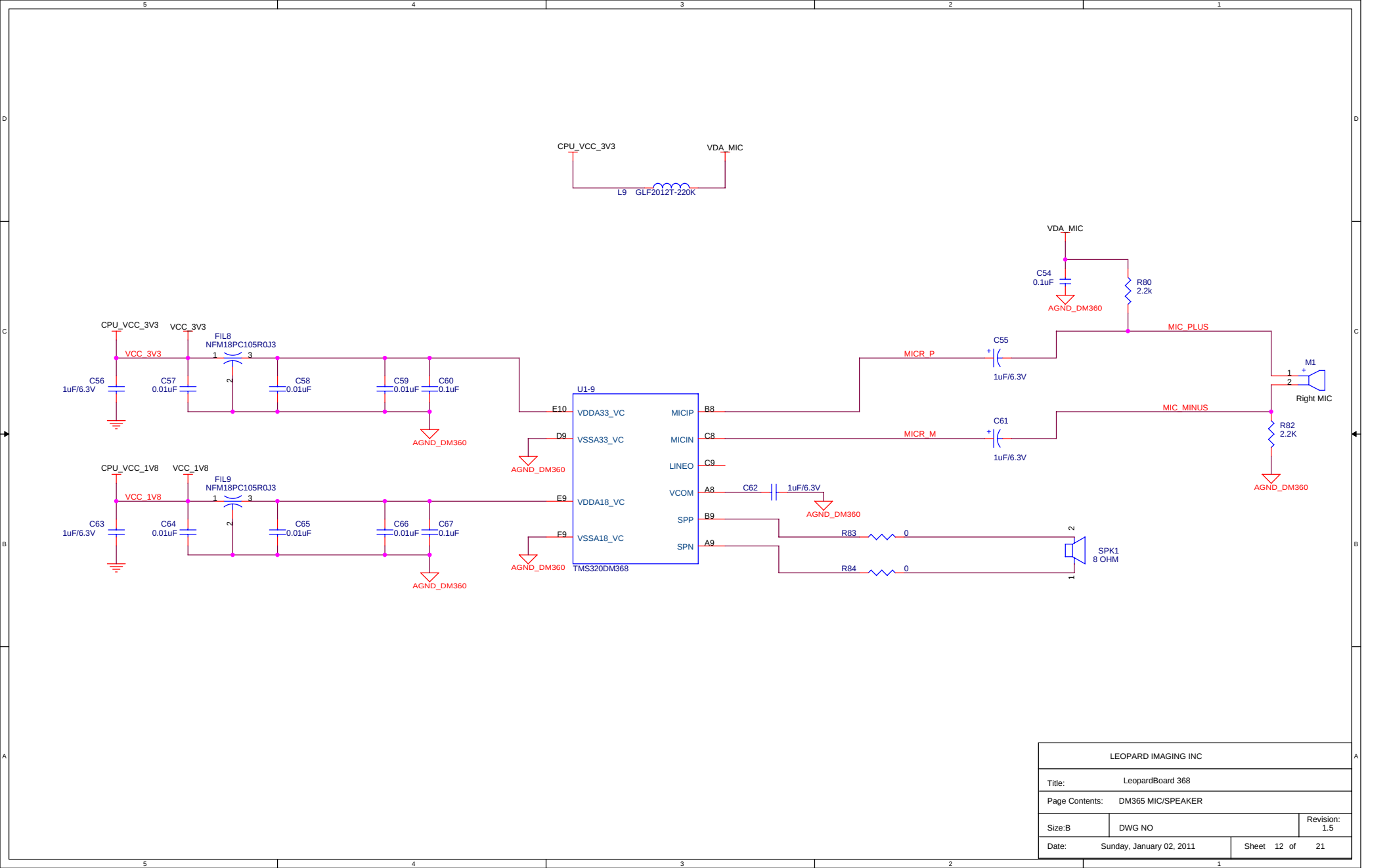
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 I/O			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 9 of 21		

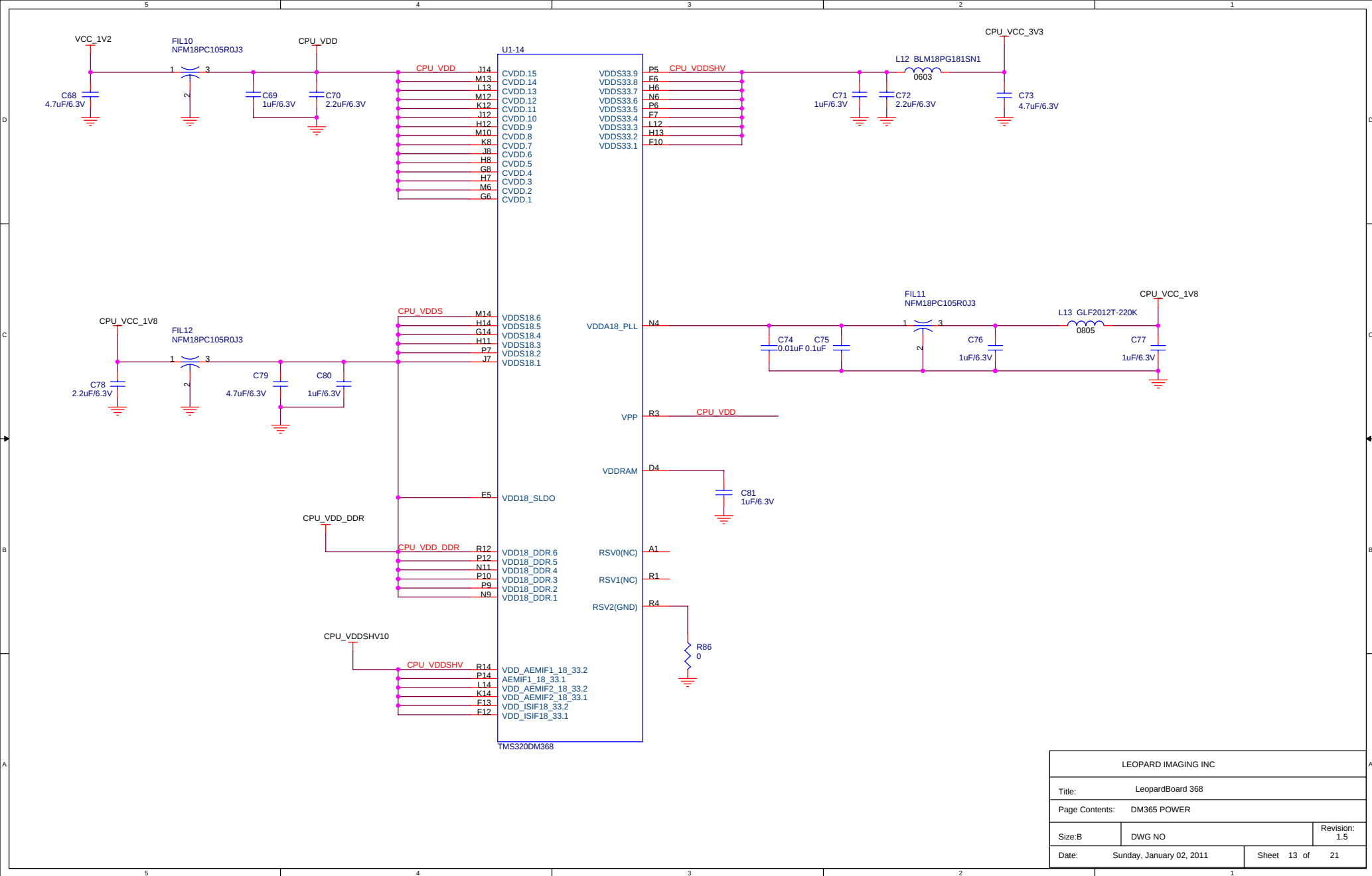


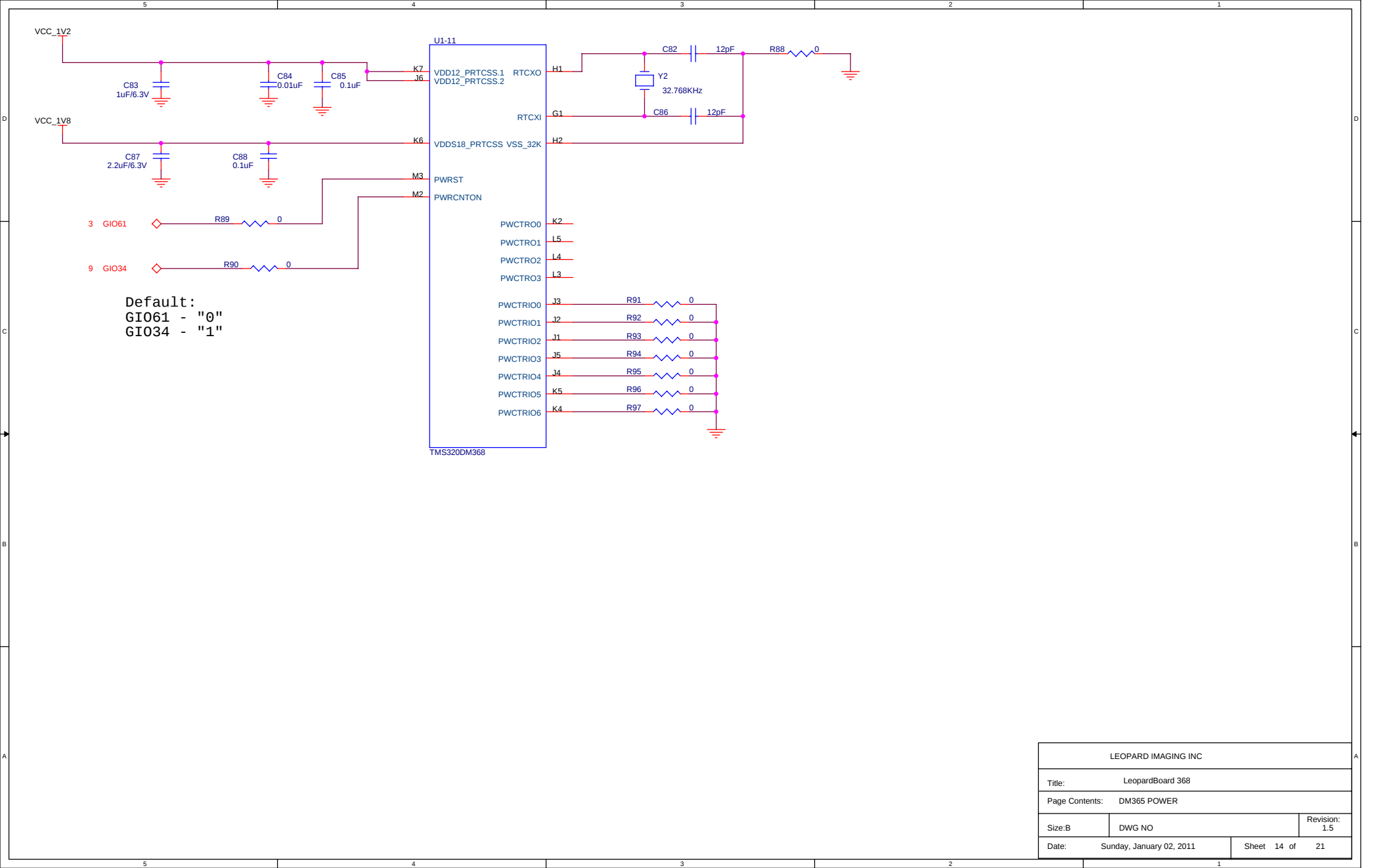
100



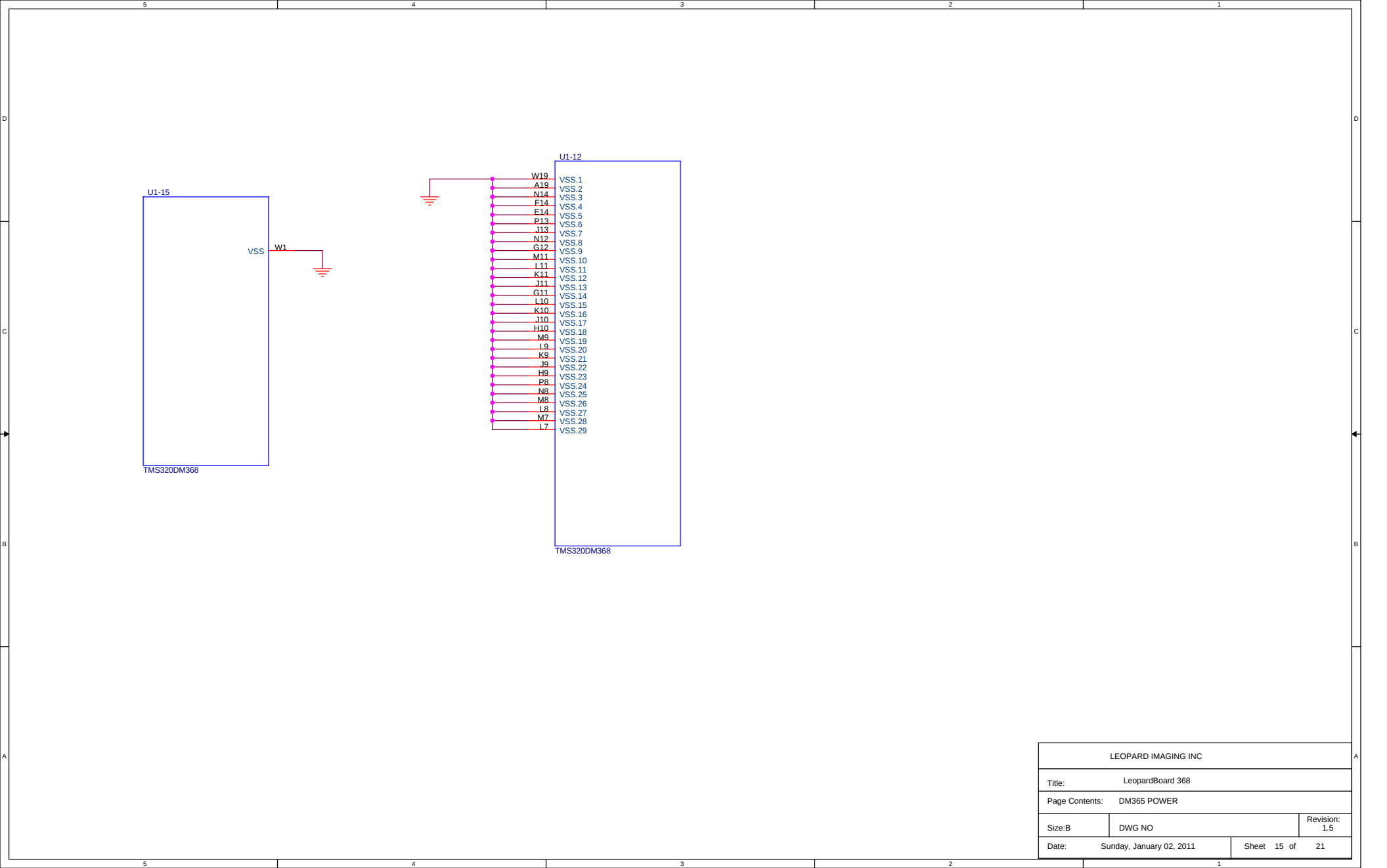
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 ADC			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 11 of	21	

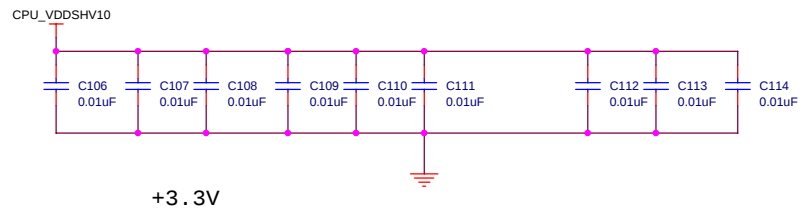
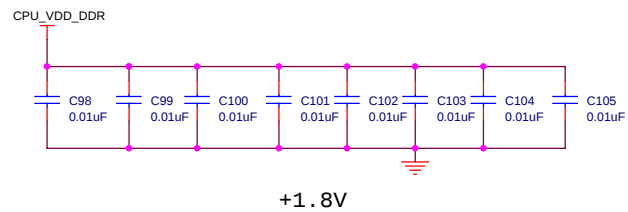
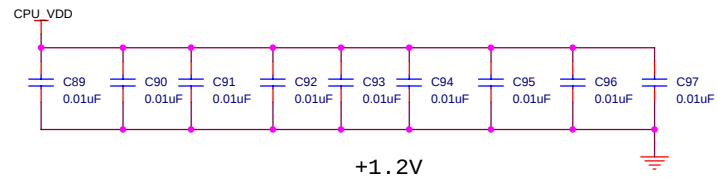




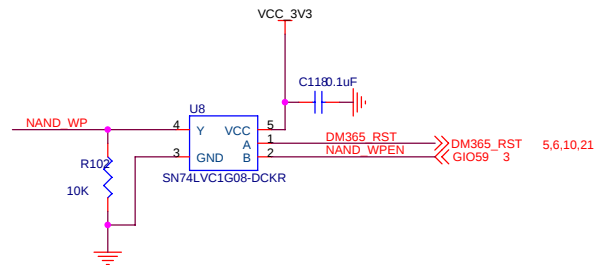
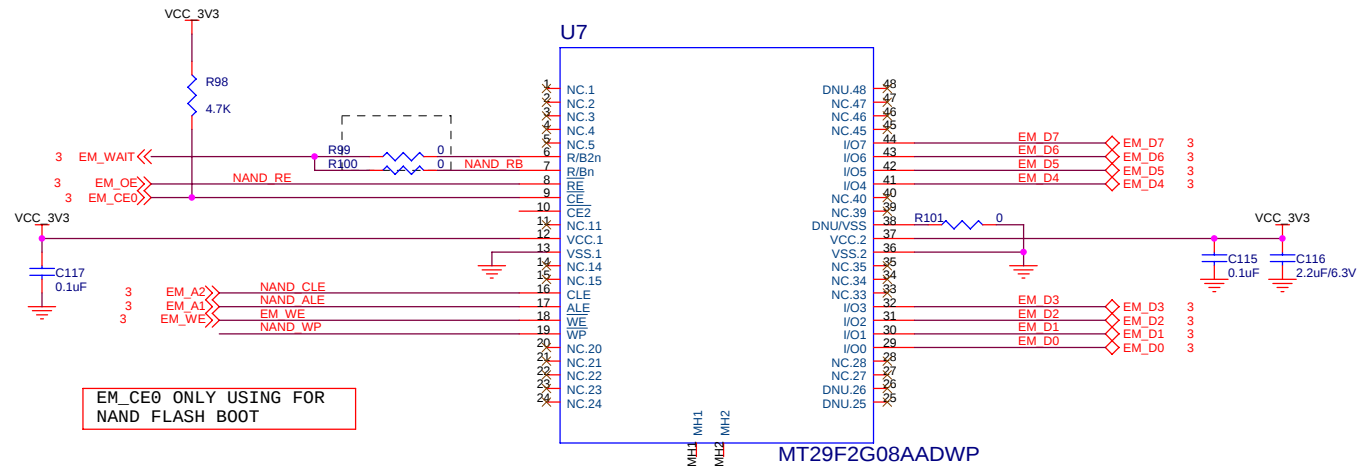


LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: DM365 POWER			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 14 of	21	

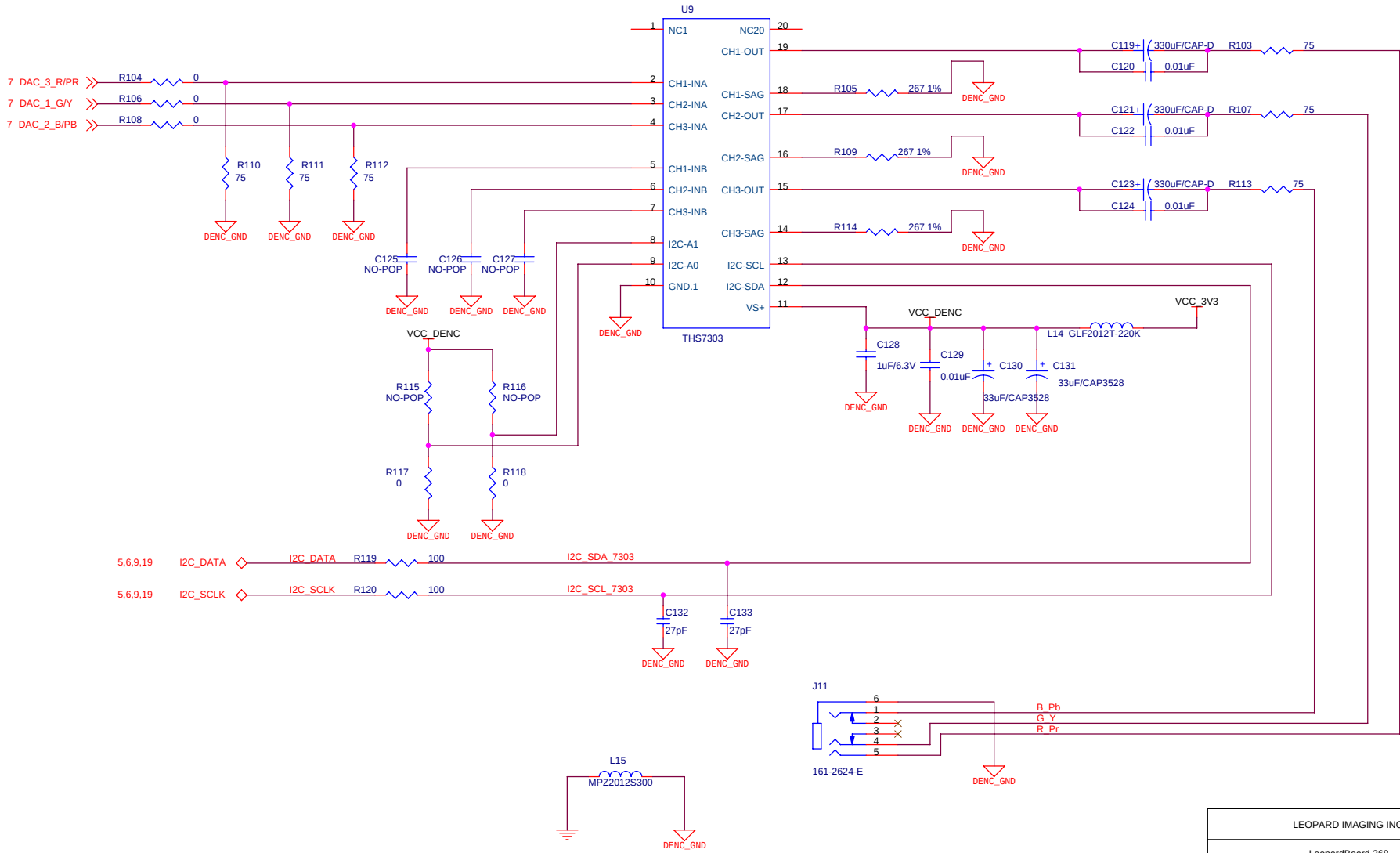




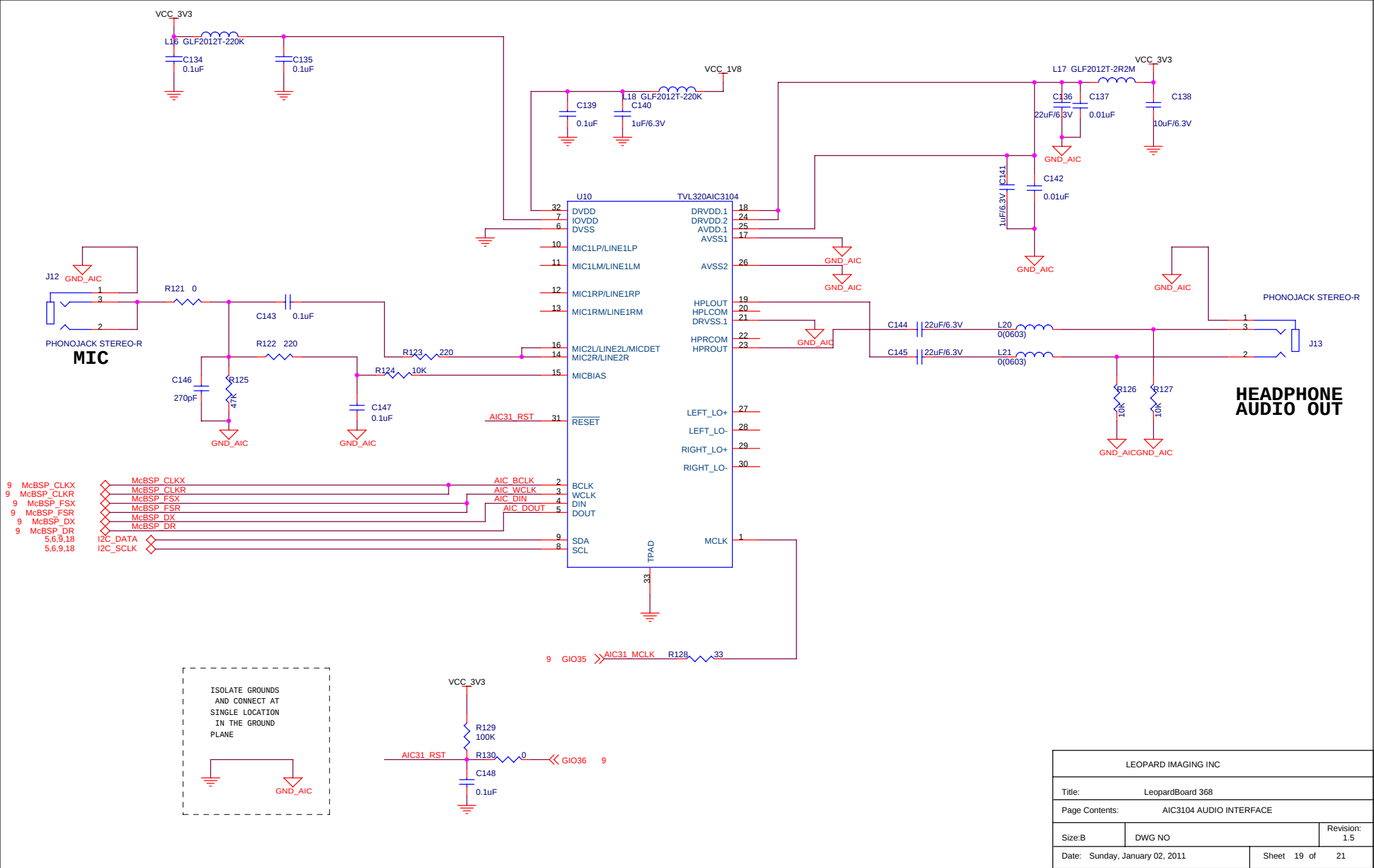
LEOPARD IMAGING INC			
Title:		LeopardBoard 368	
Page Contents:		DM365 DECOUPLING CAPACITORS	
Size: B	DWG NO		Revision: 1.5
Date:	Sunday, January 02, 2011	Sheet 16 of	21

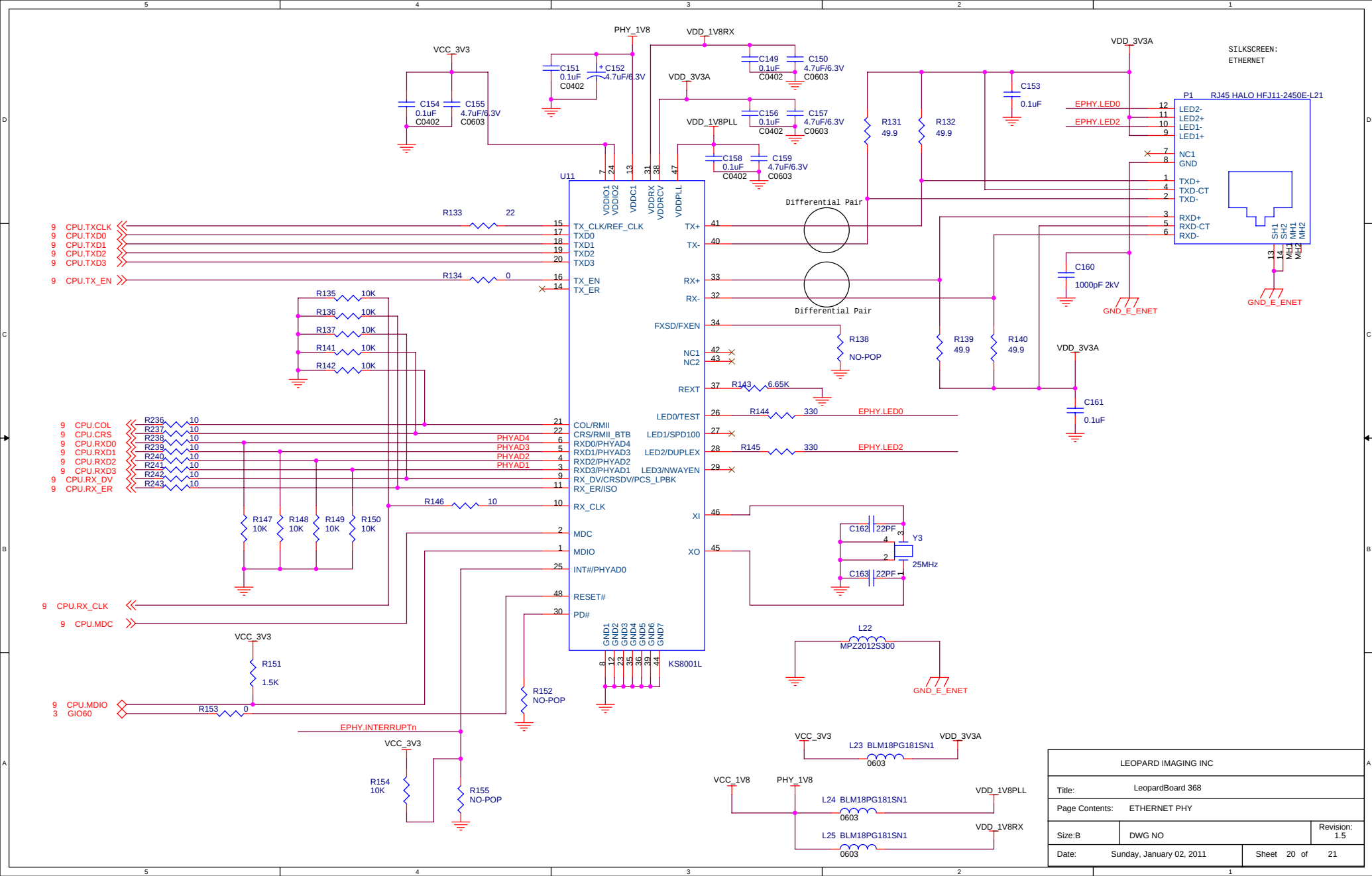


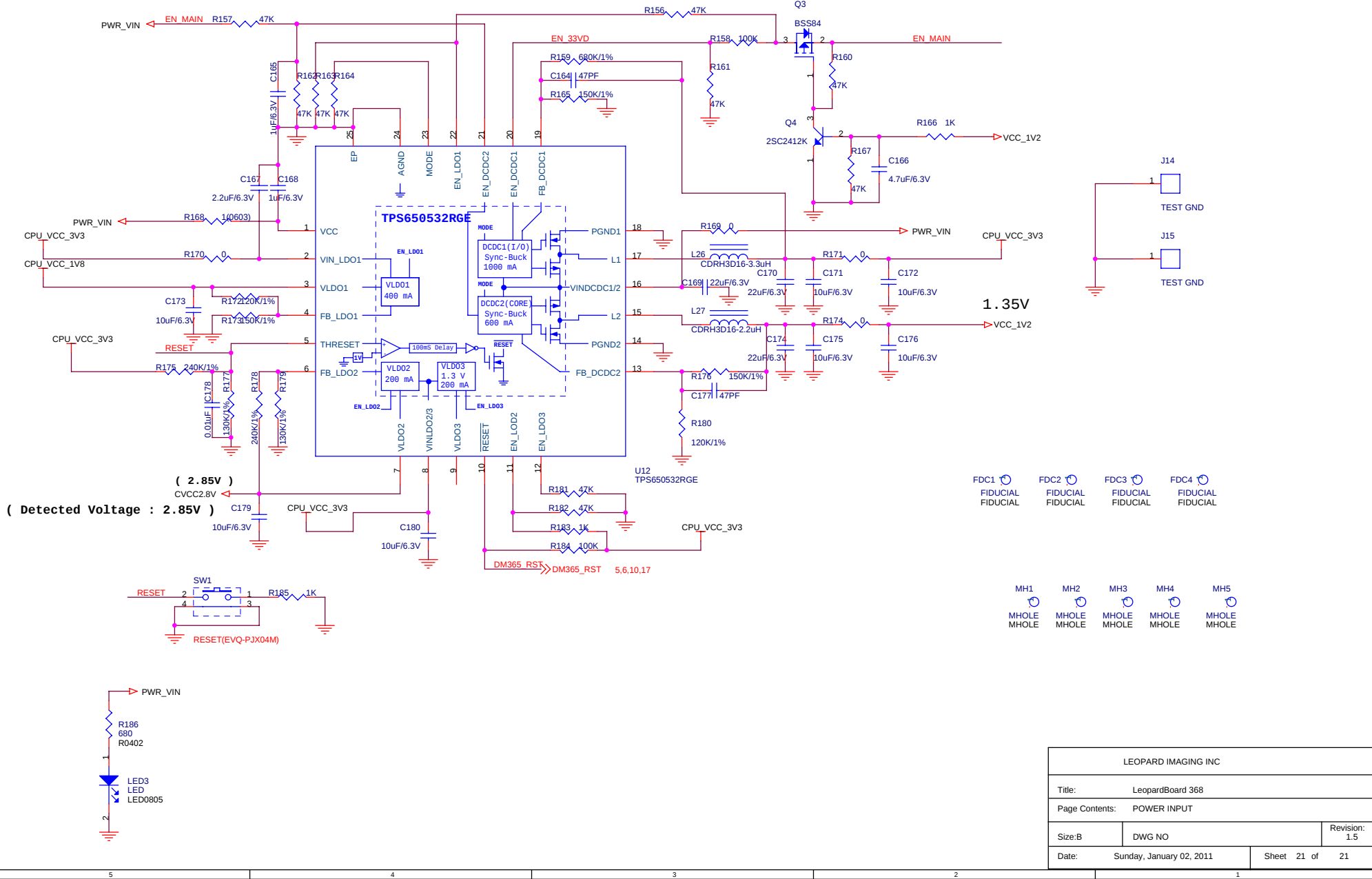
LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: NAND FLASH			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 17 of 21		



LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: COMPONENT VIDEO OUTPUT			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 18 of 21		







FDC1 FIDUCIAL FIDUCIAL FIDUCIAL FIDUCIAL

MH1 MHOLE MHOLE MH2 MHOLE MHOLE MH3 MHOLE MHOLE MH4 MHOLE MHOLE MH5 MHOLE MHOLE

LEOPARD IMAGING INC			
Title: LeopardBoard 368			
Page Contents: POWER INPUT			
Size: B	DWG NO		Revision: 1.5
Date: Sunday, January 02, 2011	Sheet 21 of		21

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Leopard Imaging:](#)

[LI-TB02](#)