

AUGER: SURFACE DETECTOR ELECTRONIC UPGRADE

VERSION: 1.12

DATE: 17/03/2015

BILL OF MATERIAL: X002-002-IE00-EVAL06



PIERRE
AUGER
OBSERVATORY

REF: /CAO-PROJETS/SPB16X/LAGORIO/AUGER/SDEU/IE00/

LPSC
53, AVENUE DES MARTYRS
38026 GRENOBLE CEDEX
+33 (0)4.76.28.41.65

ETUDE: SDEU

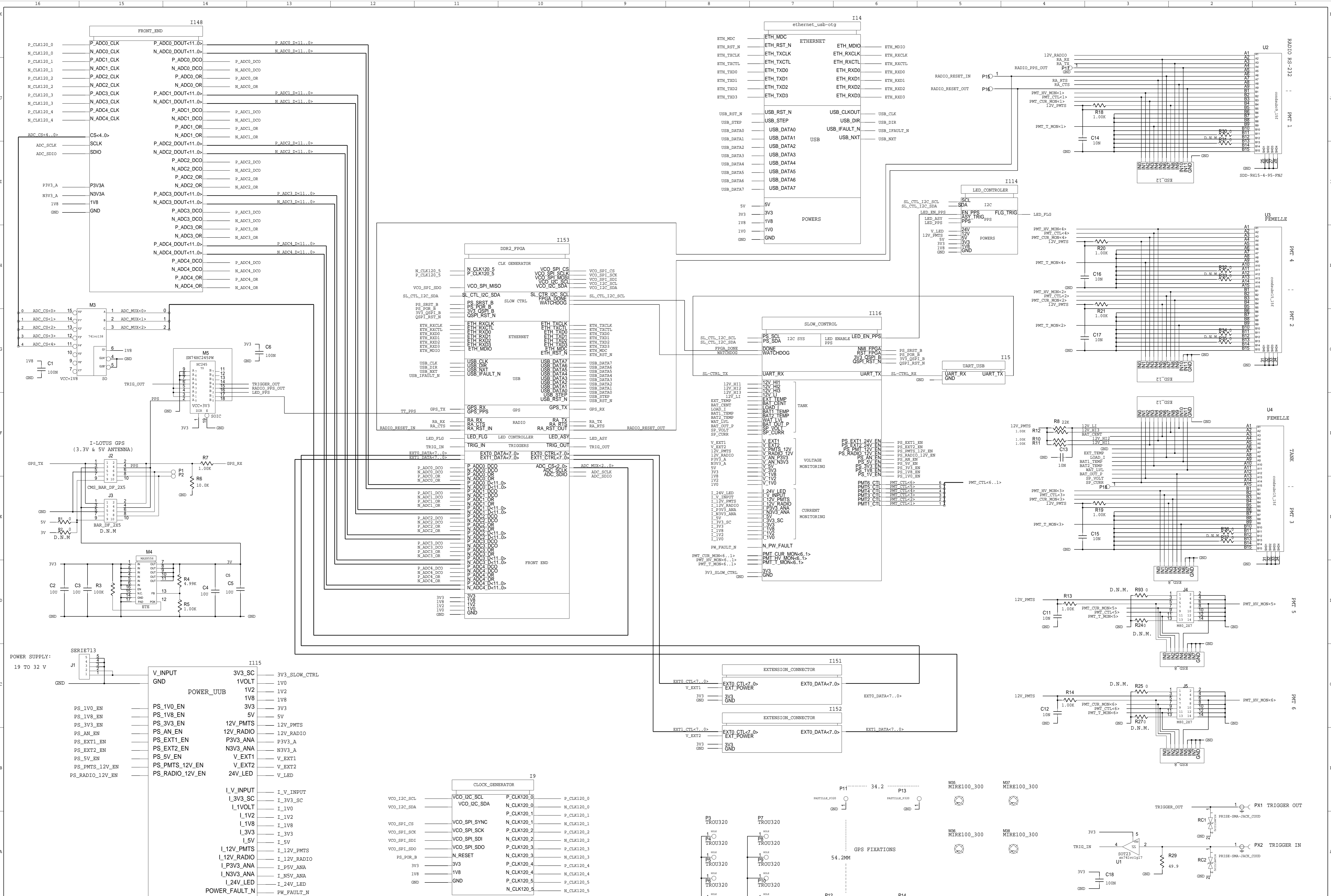
PAGE: 1/32

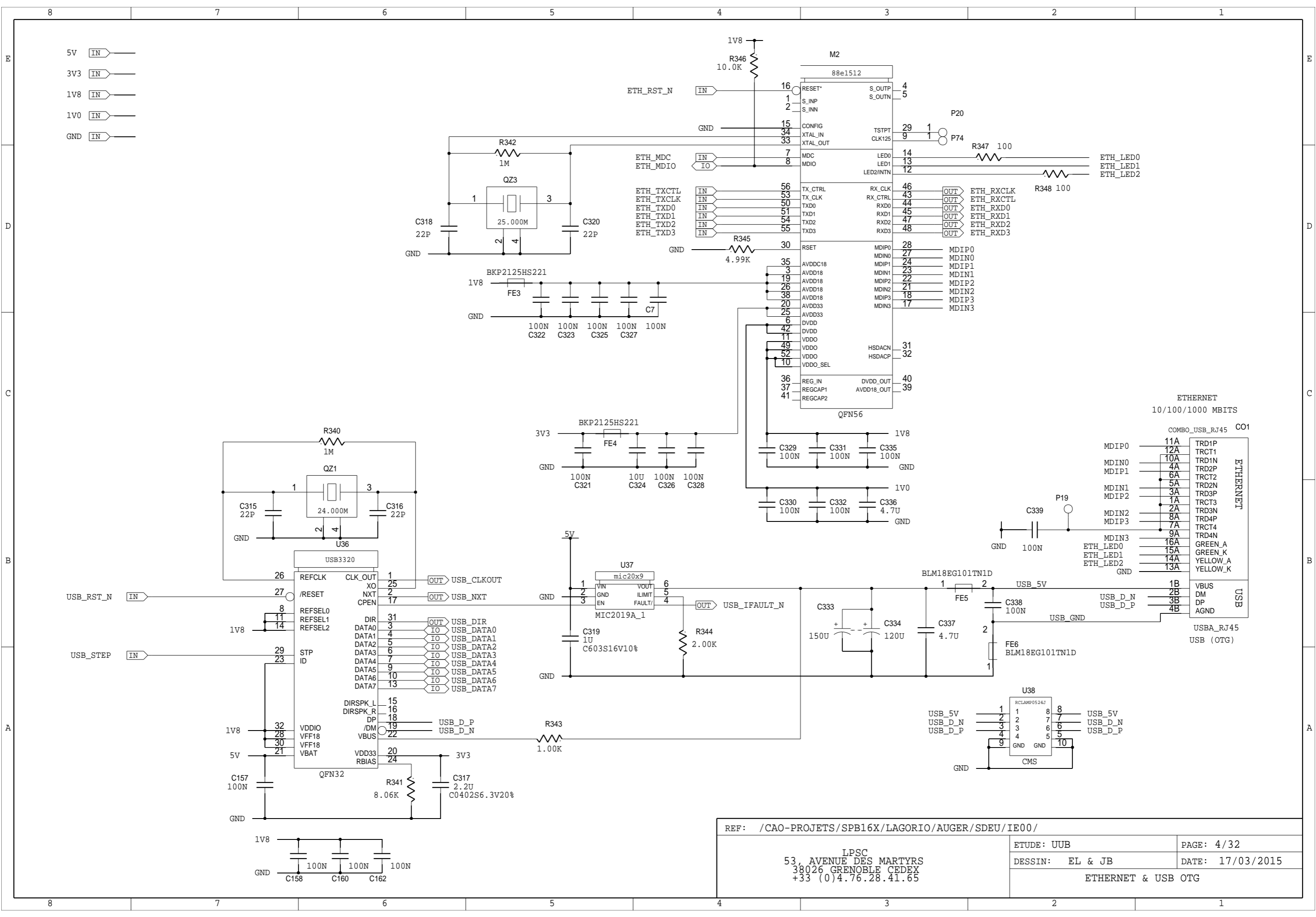
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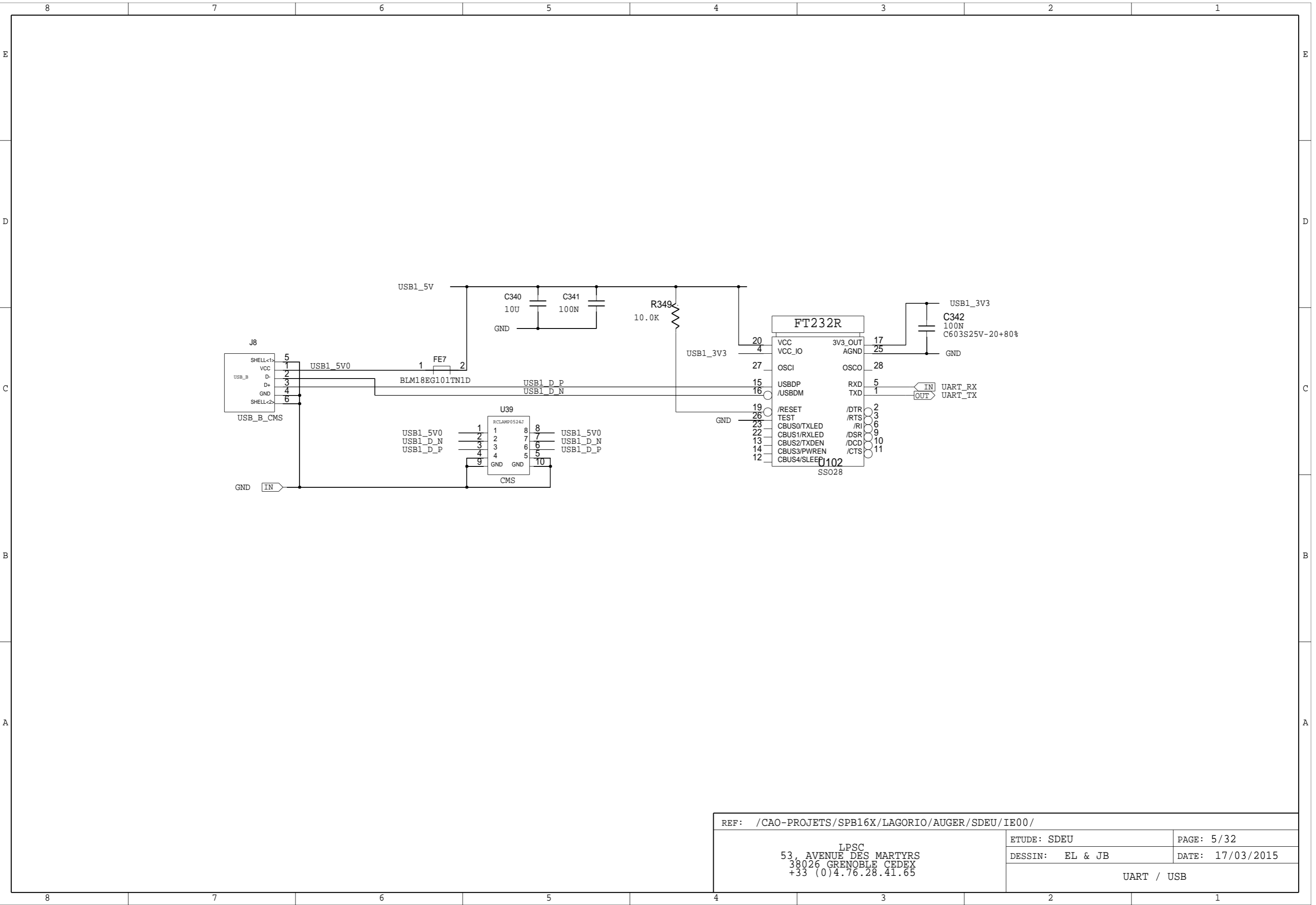
DATE: 17/03/2015

COVER PAGE

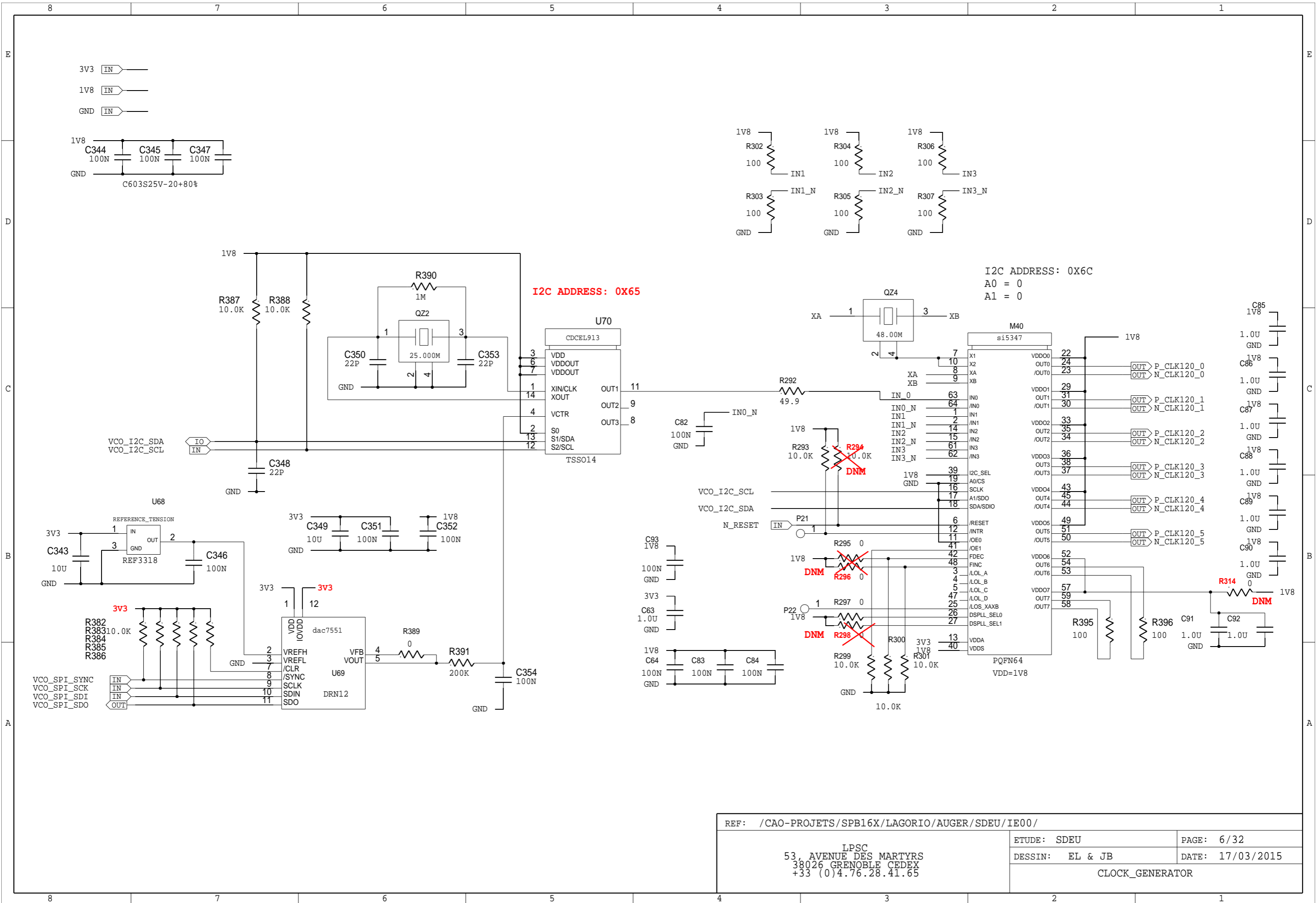
COVER PAGE	PAGE 1
HIERARCHY	PAGE 2
TOP SCHEMATIC & RADIO, TANK, TRIGGERS, PMTS, GPS,POWER CONNECTORS	PAGE 3
DDR2_FPGA : ZYNQ FPGA, LP-DDR2 MEMORY, STORAGE MEMORY & WATCHDOG	
QSPI, JTAG,RESET,CLOCK, WATCHDOG, UART USB INTERFACE, FLASH MEMORY SLOW-CONTROL I2C, SYS UART, VCO SPI, FPGA BANK 0 & 500	PAGE 23
LP-DDR2, RADIO RS232 INTERFACE, FPGA BANK 501 & 502	PAGE 24
FPGA BANK 13, 33, 34 & 35	PAGE 25
FRONT END	
3X TWIN ADCS TYPE 1, 1X TWIN ADCS TYPE 2 & 1X TWIN ADCS TYPE 3	PAGE 14
TWIN ADCS TYPE 1	PAGE 18, 19 & 20
TWIN ADCS TYPE 2	PAGE 25
TWIN ADCS TYPE 3	PAGE 24
VOLTAGE REFERENCES	PAGE 15
ETHERNET_USB-OTG	PAGE 4
CLOCK_GENERATOR	PAGE 6
SLOW_CONTROL : SLOW-CONTROL SYSTEM , PMTS, RADIO & TANK CONNECTORS	
SLOW_CONTROL, MICRO-CONTROLLER	PAGE 12
SLOW_CONTROL, ANALOG LEVELS	PAGE 13
LED_CONTROLLER	
MAIN SCHEMATIC	PAGE 7
SPARE COMPONENTS	PAGE 8
EXT_CONNECTORS	PAGE 21 & 22
UART_USB : RS232 / USB INTERFACE	PAGE 5 & 26
POWER_UUB	
PROTECTION, RADIO & PMTS 12V	PAGE 9
1.2V, 1.8V, 3.3V, +3.3V & -3.3V	PAGE 10
SLOW-CTRL 3.3V, 1V AND 5V	PAGE 11
ESD_8	PAGE 27, 28 & 29
ESD_12	PAGE 30, 31 & 32







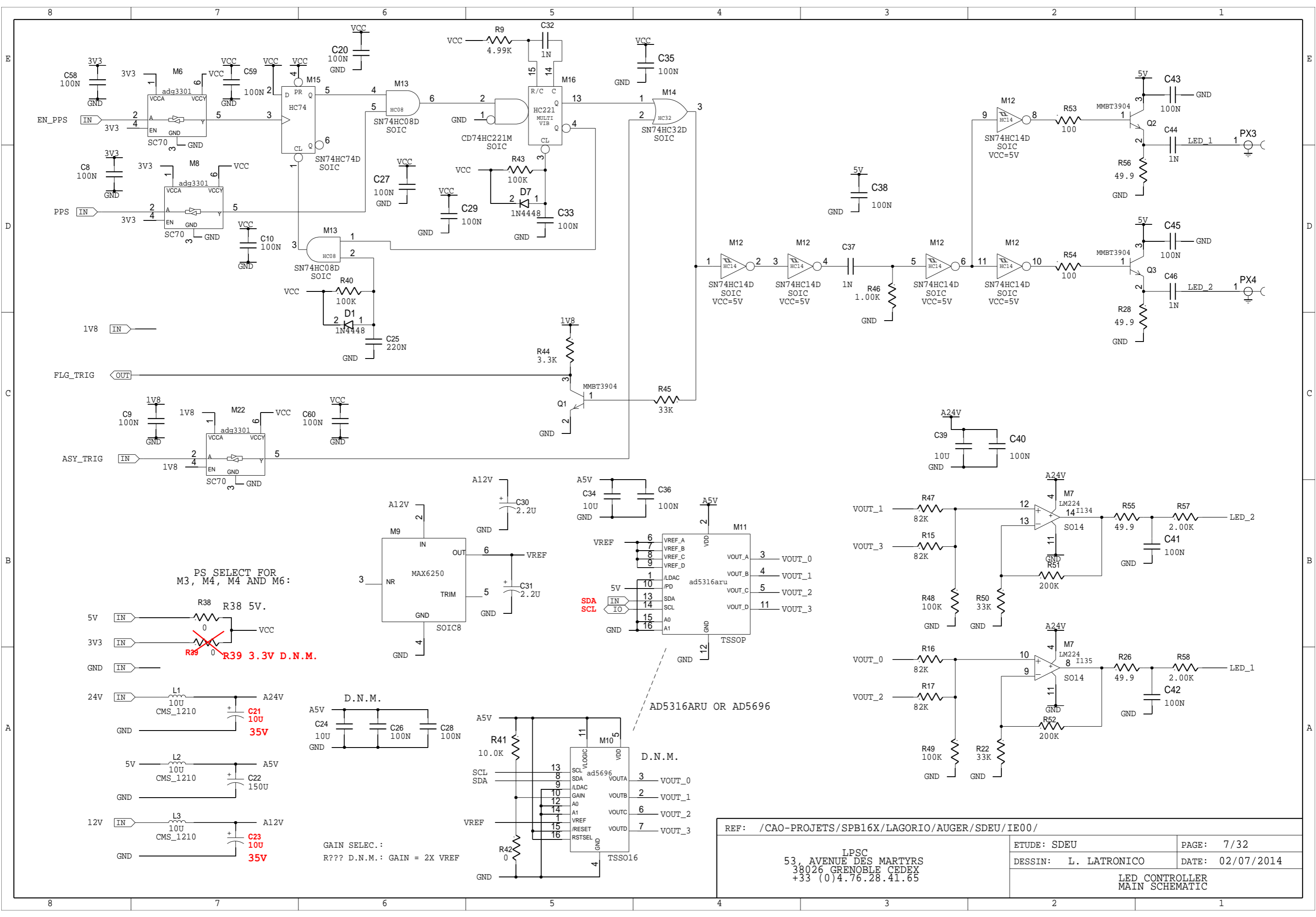
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LPSC 53, AVENUE DES MARTYRS 38026 GRENOBLE CEDEX +33 (0)4.76.28.41.65	ETUDE: SDEU
	DESSIN: EL & JB
PAGE: 5/32	
DATE: 17/03/2015	
UART / USB	



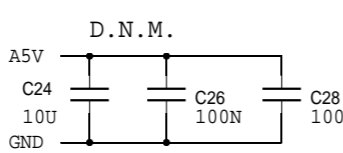
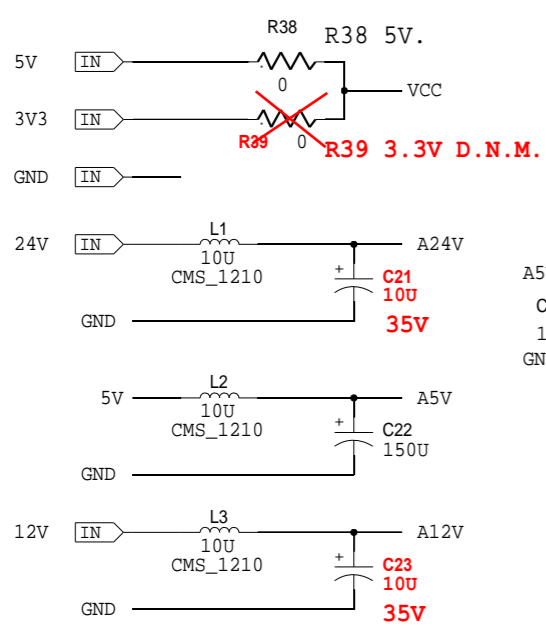
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I2C ADDRESS: 0X6C
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A1 = 0

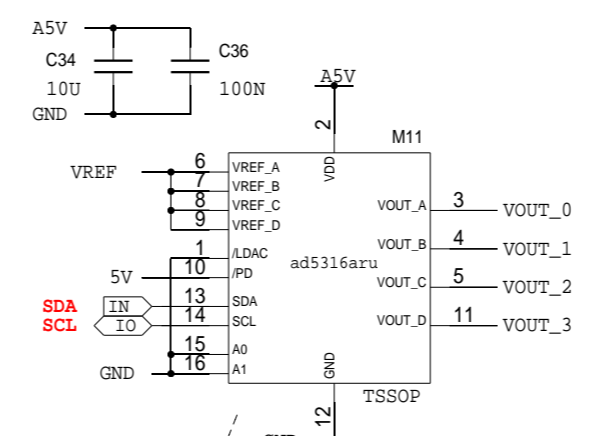
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		PAGE: 6/32 DATE: 17/03/2015
CLOCK_GENERATOR		



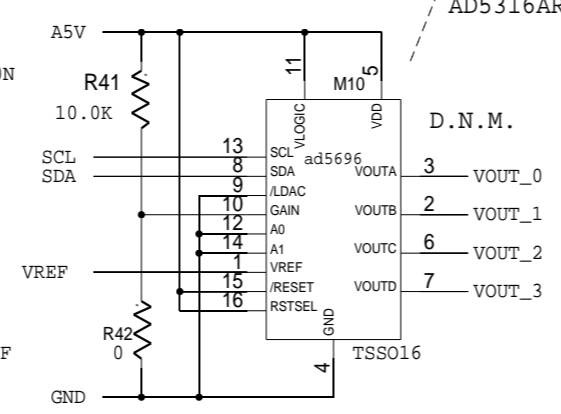
PS SELECT FOR M3, M4, M4 AND M6:



GAIN SELEC.:
R??? D.N.M.: GAIN = 2X VREF

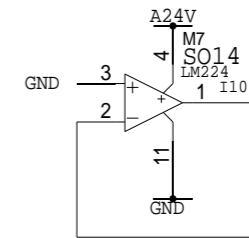
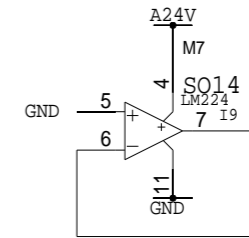
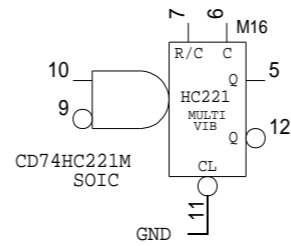
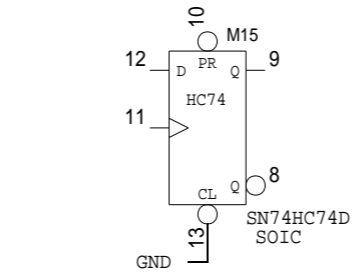
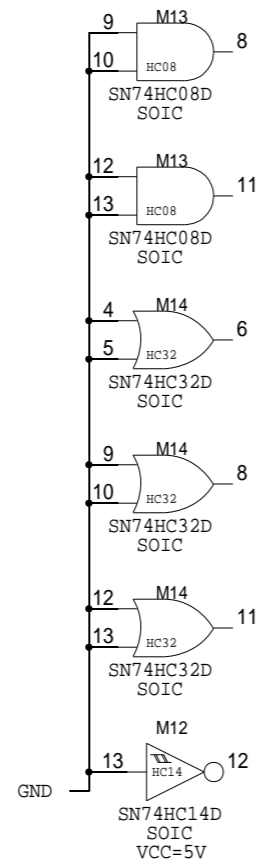


AD5316ARU OR AD5696

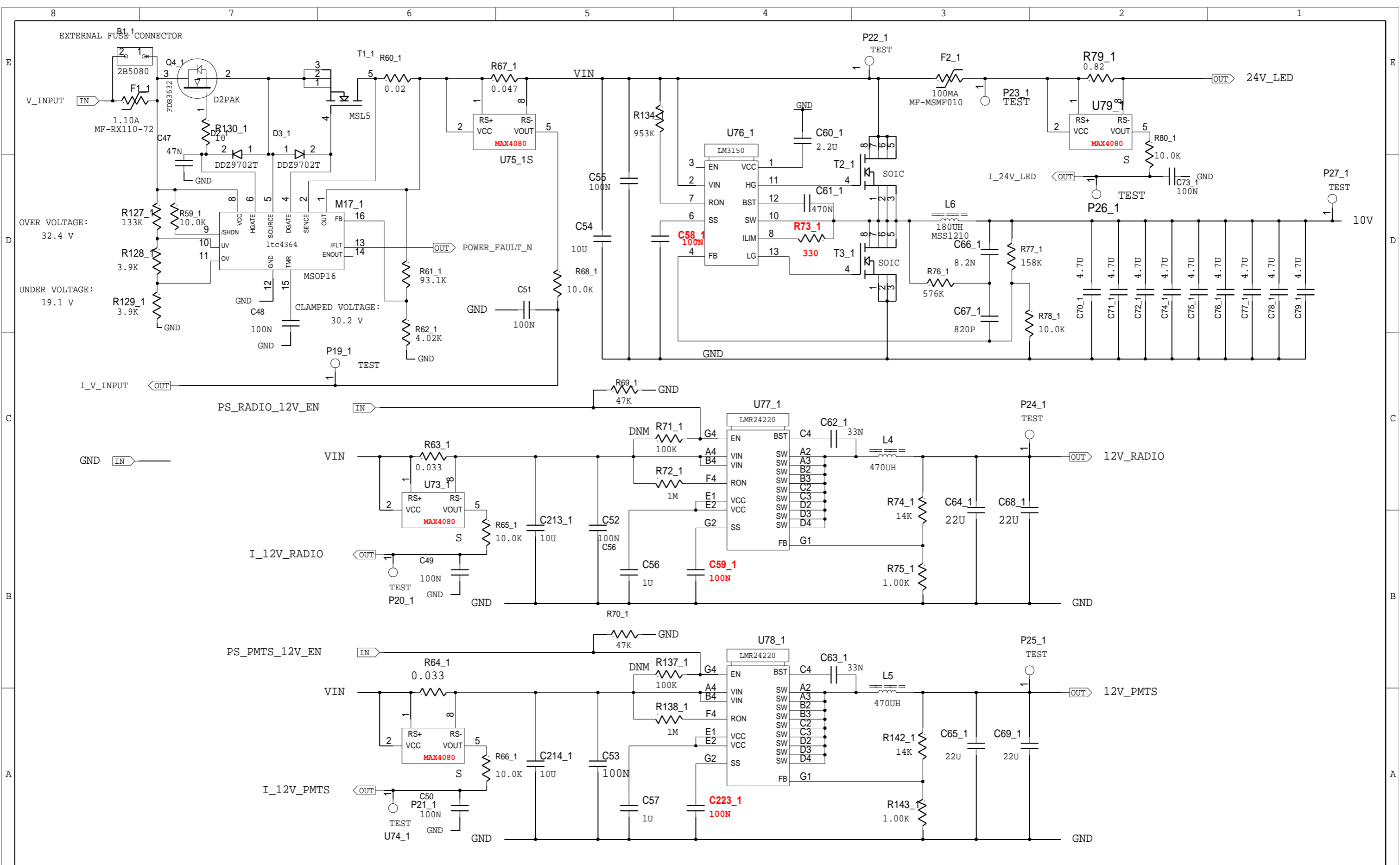


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ETUDE: SDEU	PAGE: 7/32
DESSIN: L. LATRONICO	DATE: 02/07/2014
LED CONTROLLER MAIN SCHEMATIC	

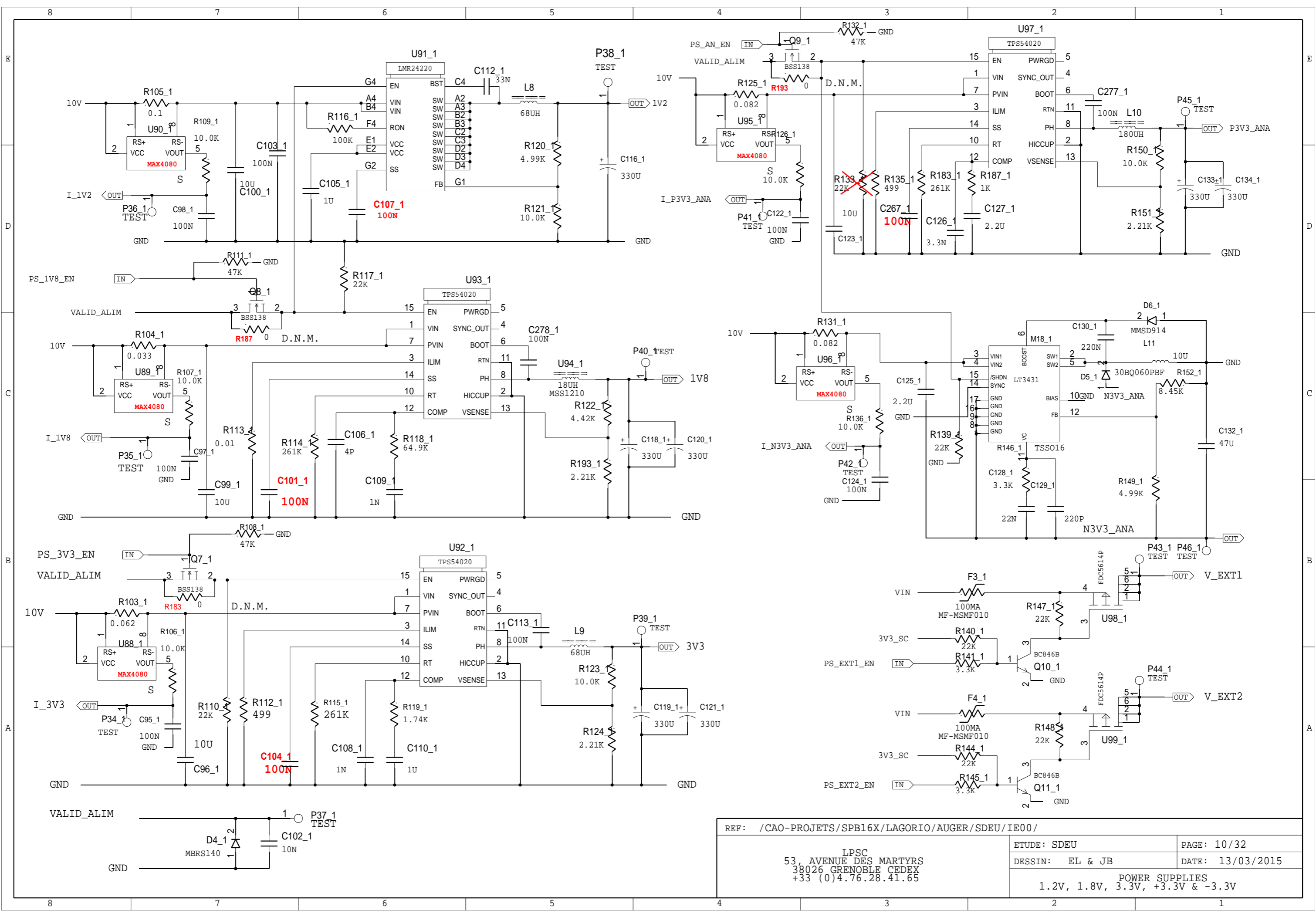
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LPSC 53, AVENUE DES MARTYRS 38026 GRENOBLE CEDEX +33 (0)4.76.28.41.65	ETUDE: SDEU
	DESSIN: L. LATRONICO
PAGE: 8/32 DATE: 02/07/2014	
LED CONTROLLER SPARE COMPONENTS	



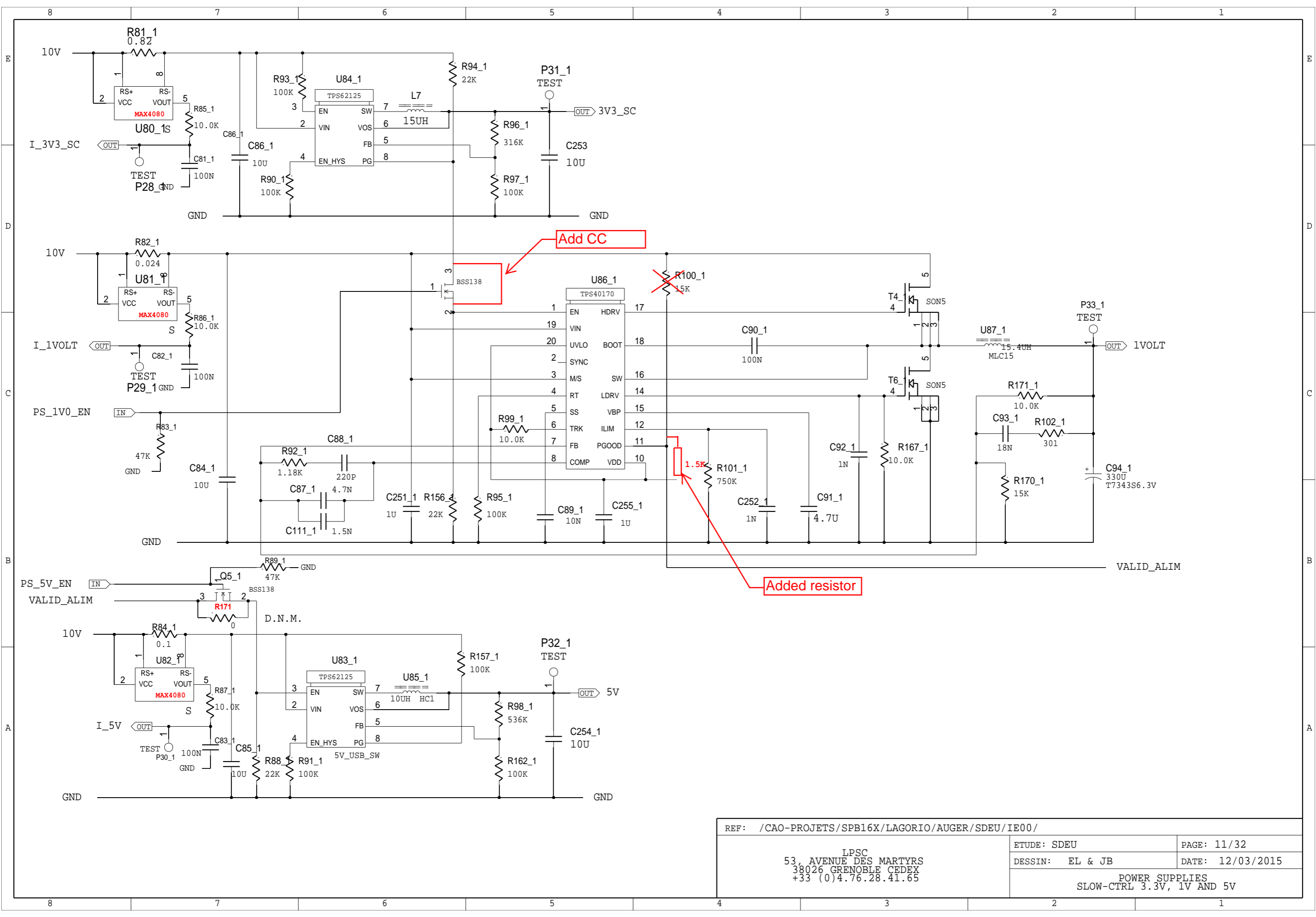
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DESSIN: EL & JB	DATE: 12/03/2015
LPSC 53, AVENUE DES MARTYRS 38026 GRENOBLE CEDEX +33 (0)4.76.28.41.65	
POWER SUPPLIES PROTECTION, RADIO & PMTS 12V	



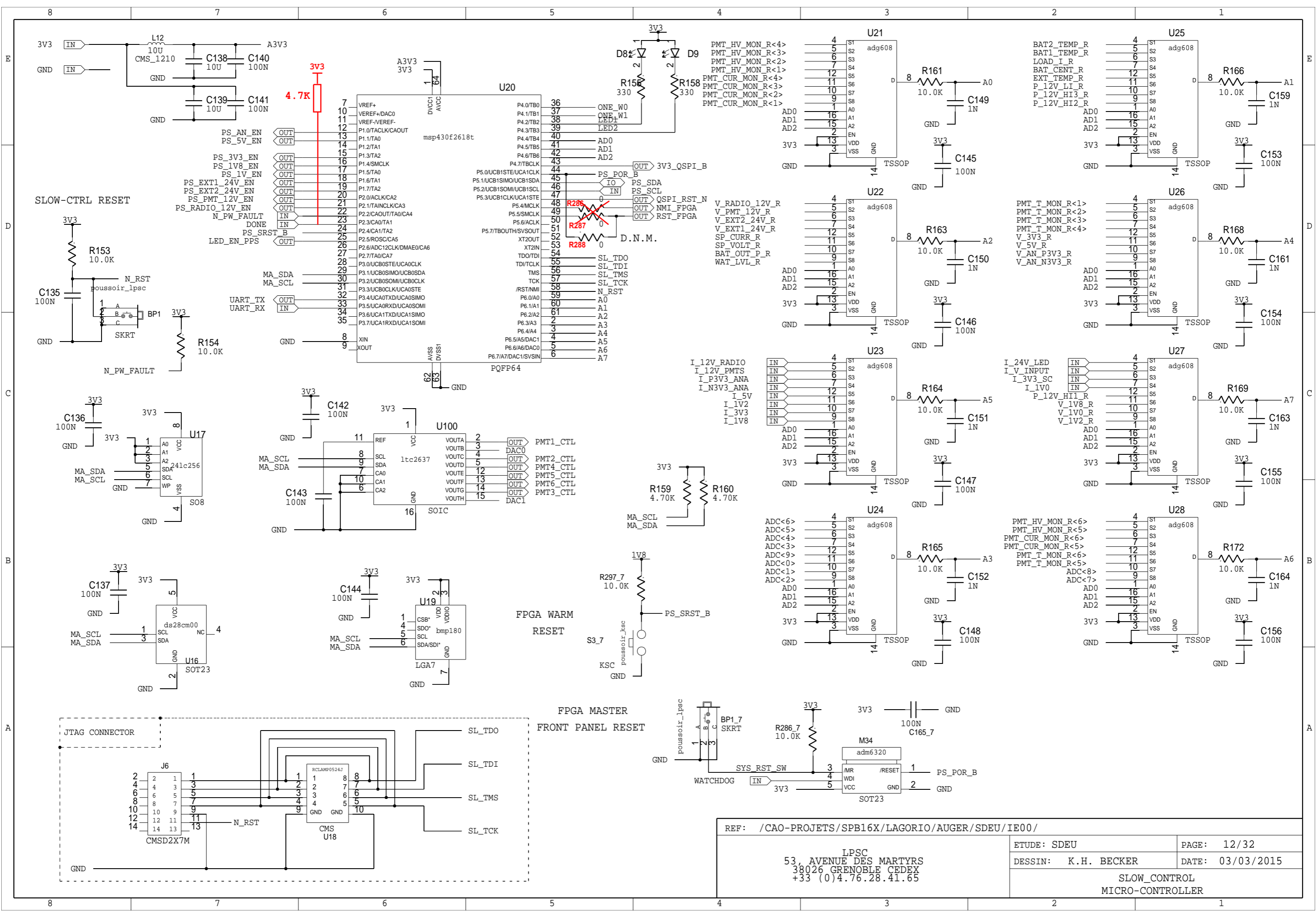
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ETUDE: SDEU	PAGE: 10/32
DESSIN: EL & JB	DATE: 13/03/2015
POWER SUPPLIES	
1.2V, 1.8V, 3.3V, +3.3V & -3.3V	



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ETUDE: SDEU		PAGE: 11/32
DESSIN: EL & JB		DATE: 12/03/2015
LPSC 53, AVENUE DES MARTYRS 38026 GRENOBLE CEDEX +33 (0)4.76.28.41.65		
POWER SUPPLIES SLOW-CTRL 3.3V, 1V AND 5V		

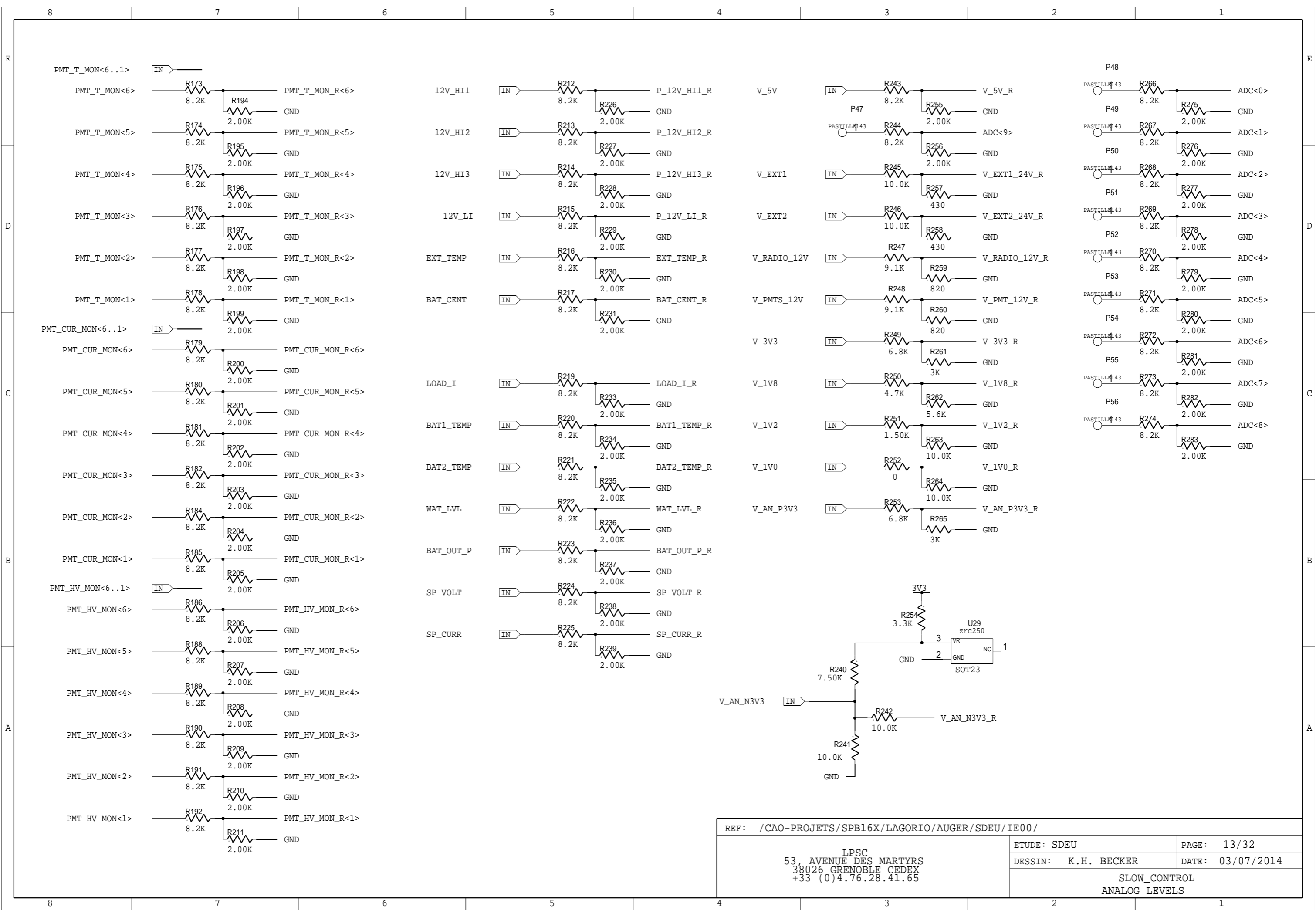


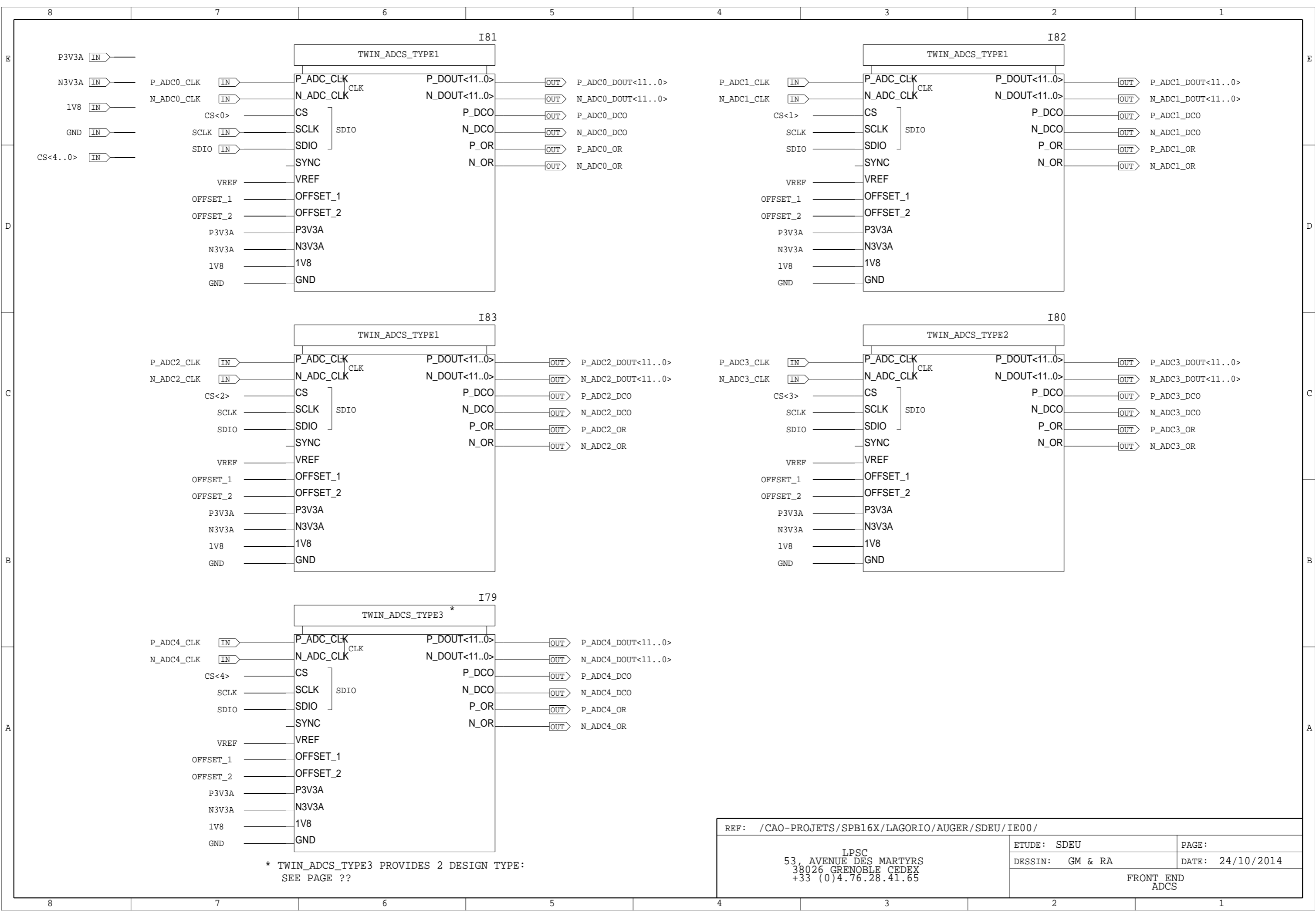
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ETUDE: SDEU	PAGE: 12/32
DESSIN: K.H. BECKER	DATE: 03/03/2015

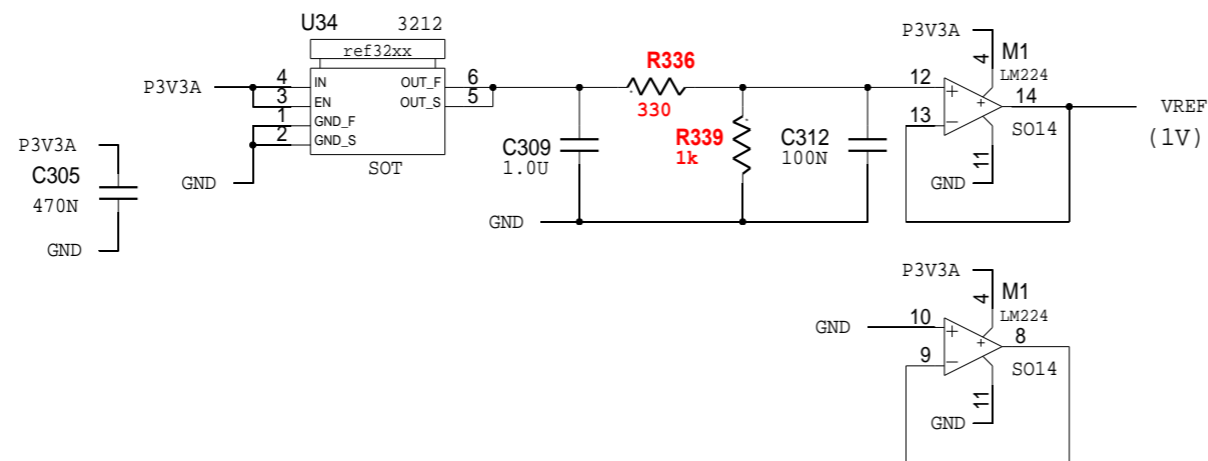
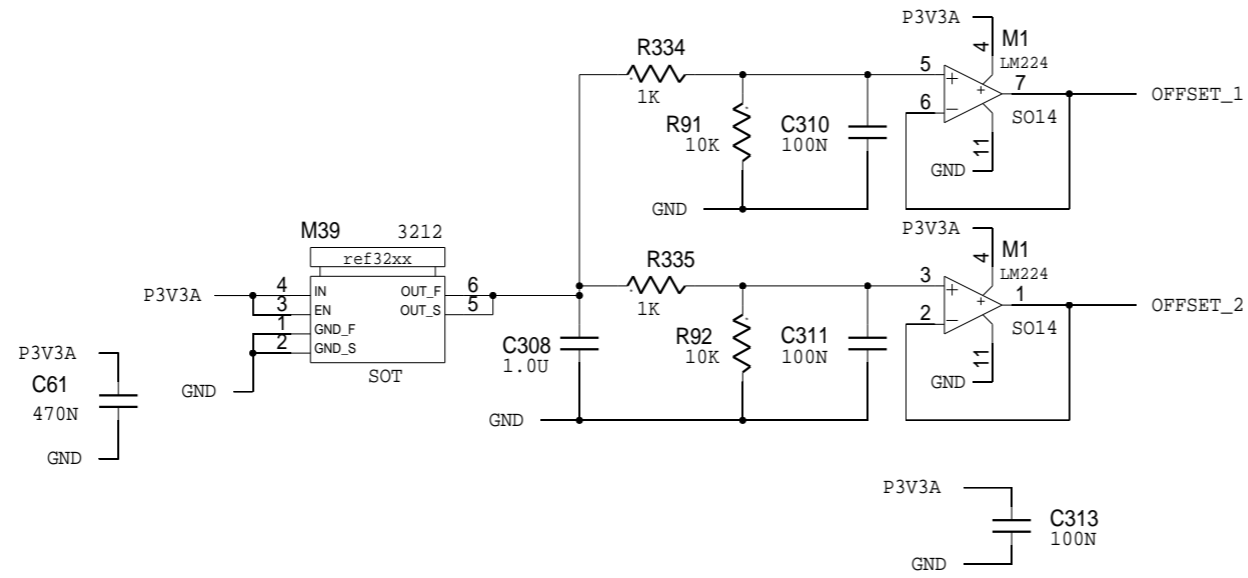
SLOW CONTROL
 MICRO-CONTROLLER





* TWIN_ADCS_TYPE3 PROVIDES 2 DESIGN TYPE:
SEE PAGE ??

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LPSC 53, AVENUE DES MARTYRS 38026 GRENOBLE CEDEX +33 (0)4.76.28.41.65		DESSIN: GM & RA	DATE: 24/10/2014
		FRONT END ADCS	



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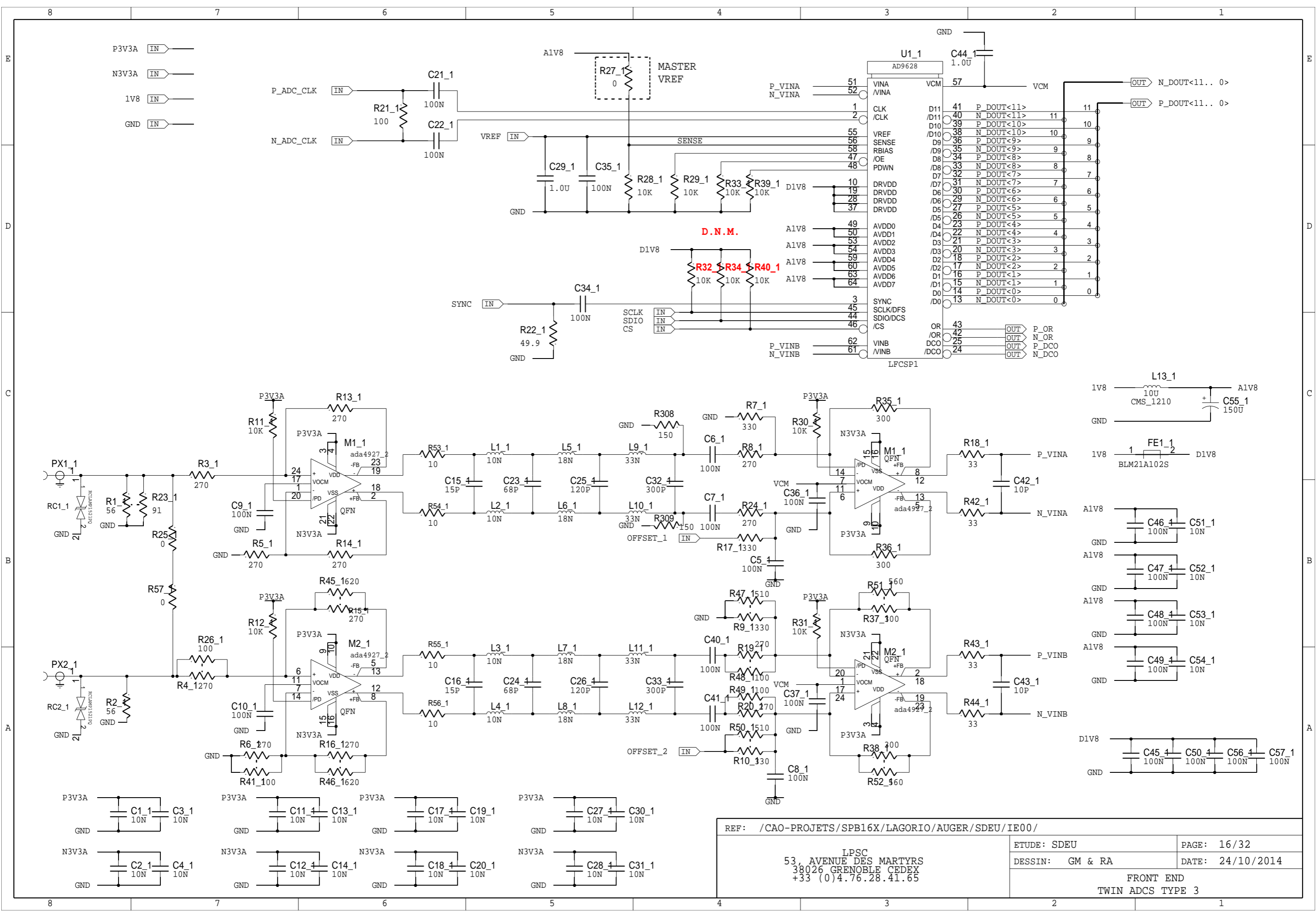
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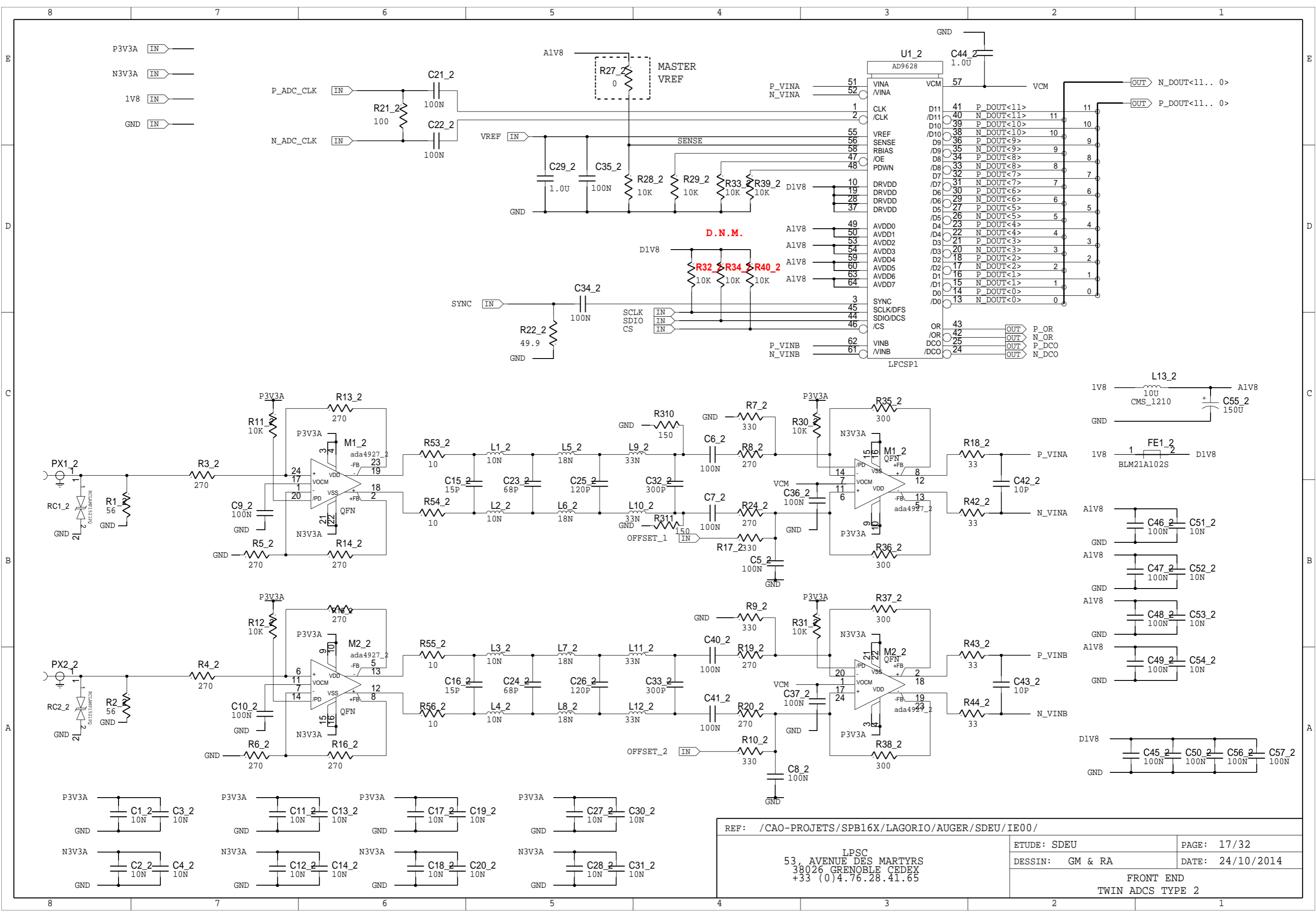
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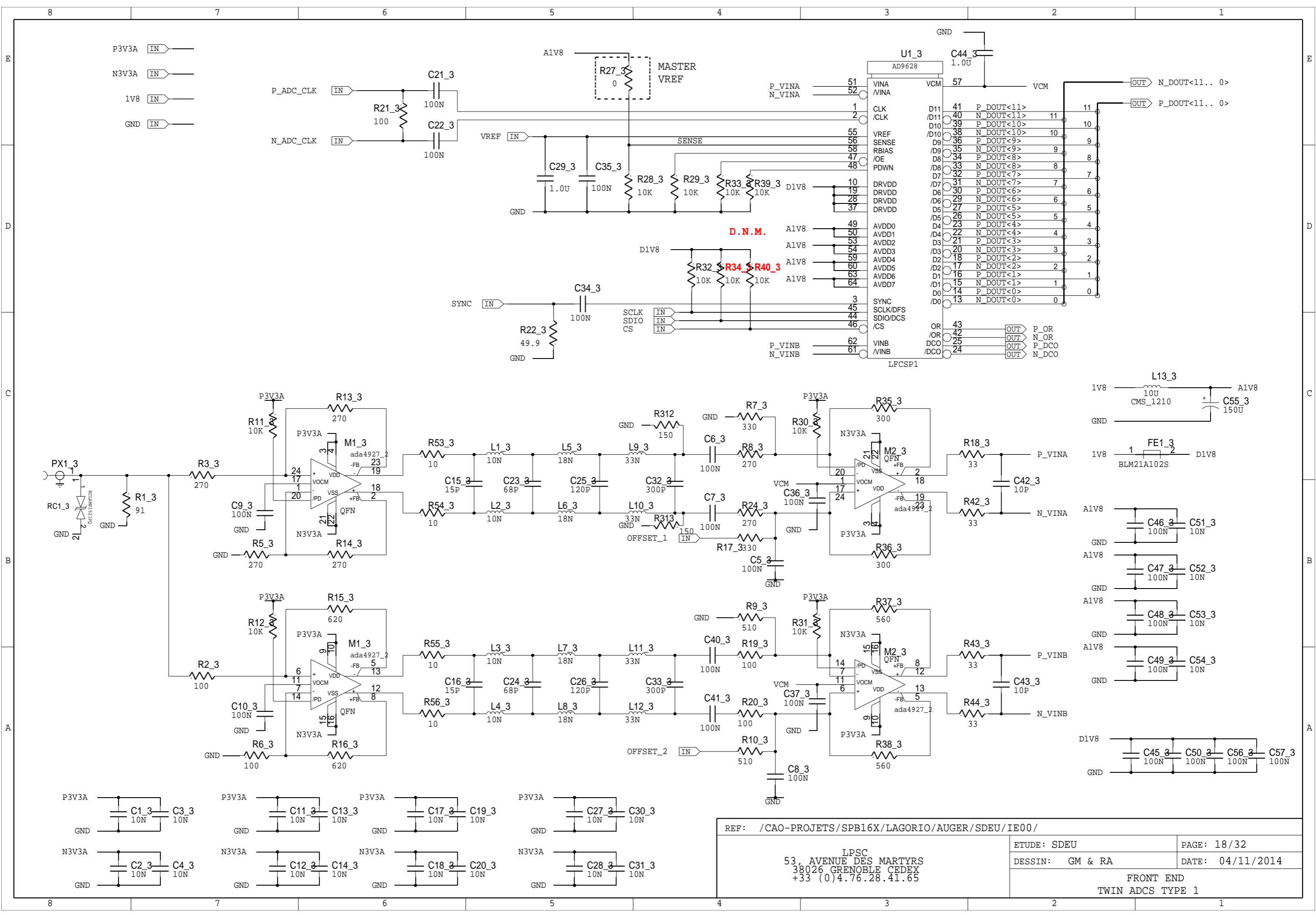
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FRONT END TWIN ADCS TYPE 3	



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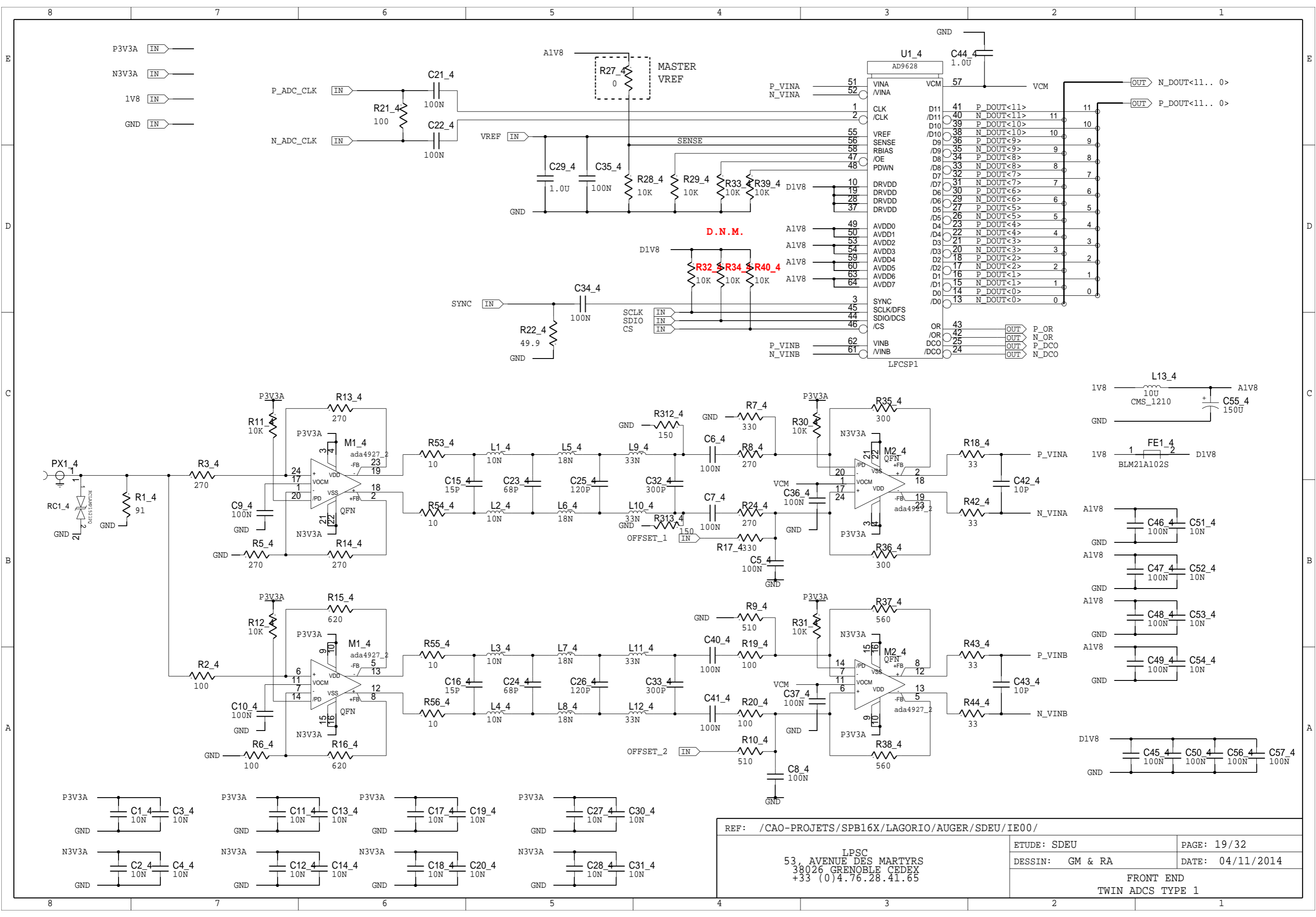
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FRONT END TWIN ADCS TYPE 2	



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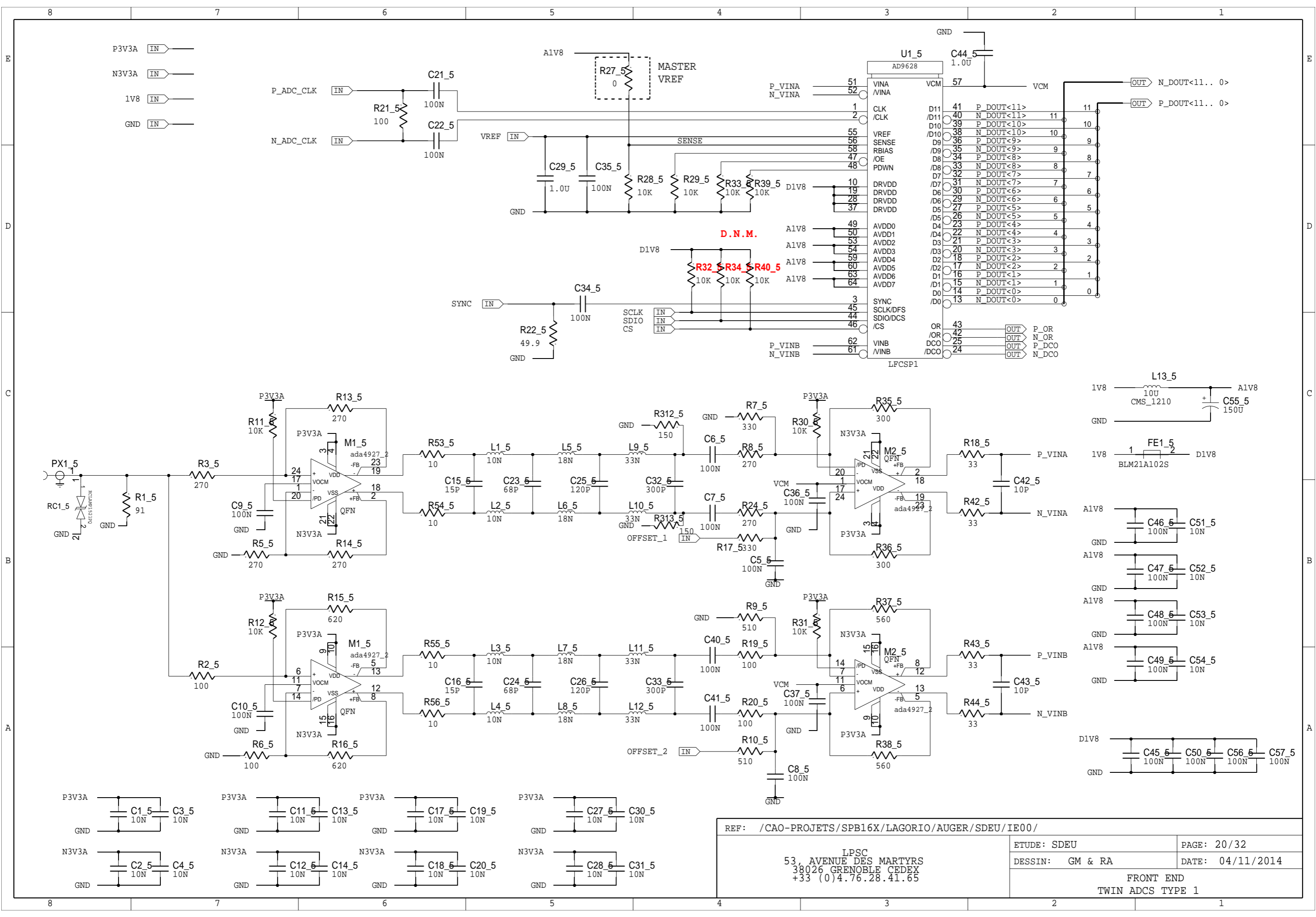
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FRONT END TWIN ADCS TYPE 1	



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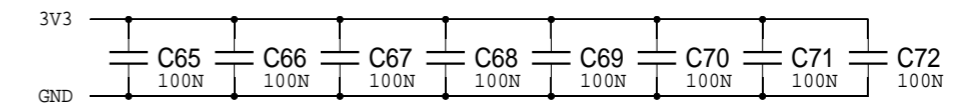
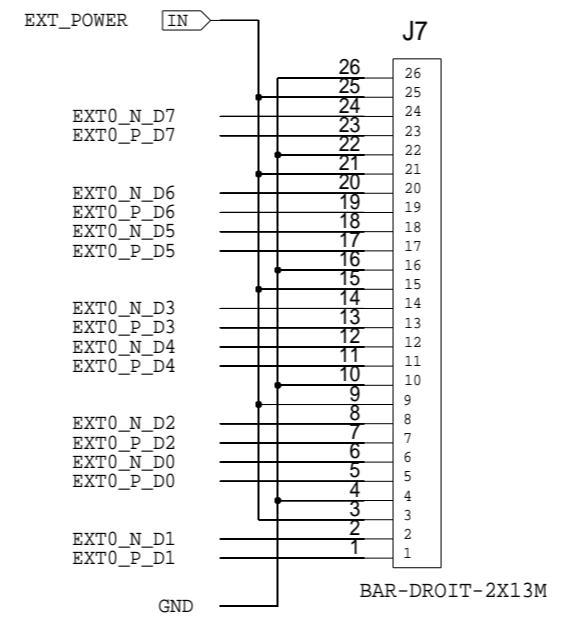
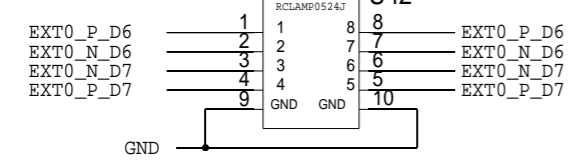
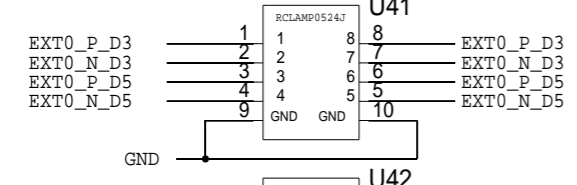
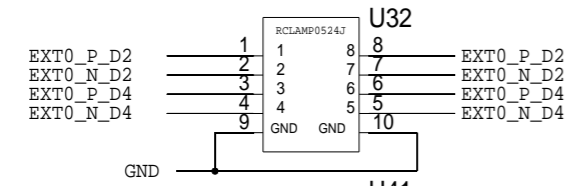
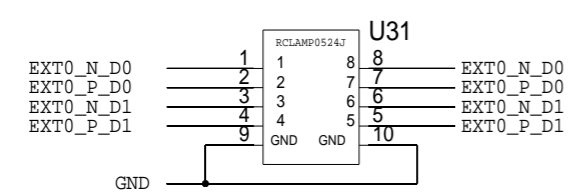
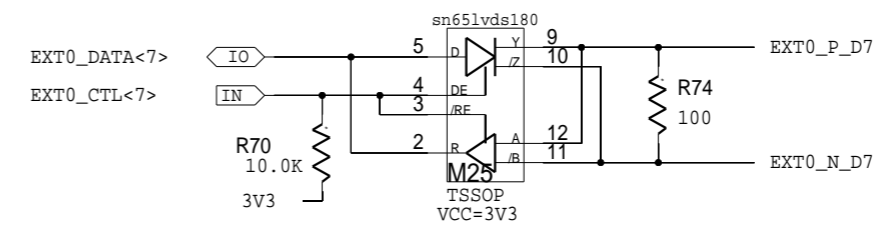
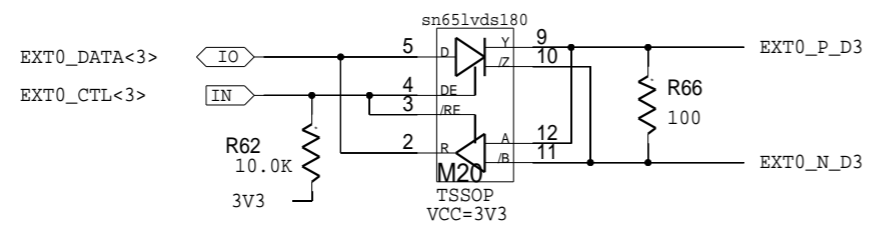
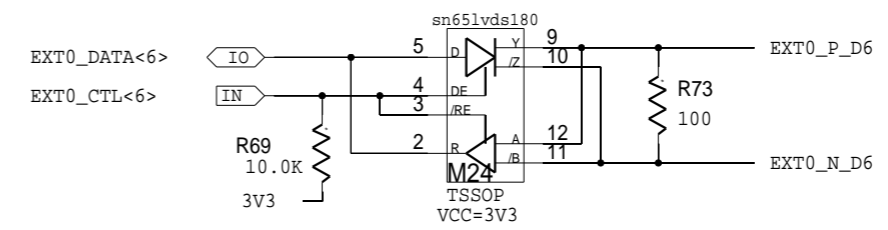
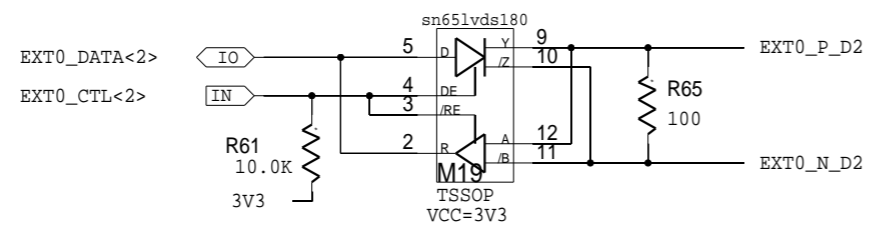
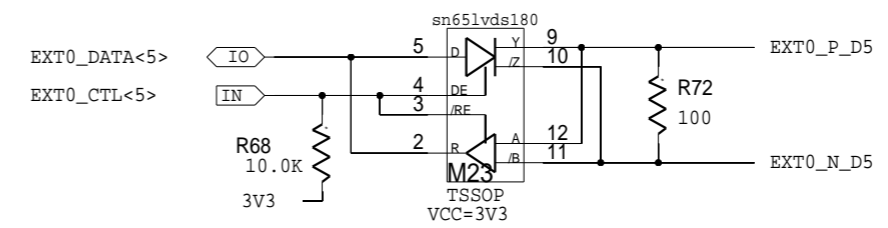
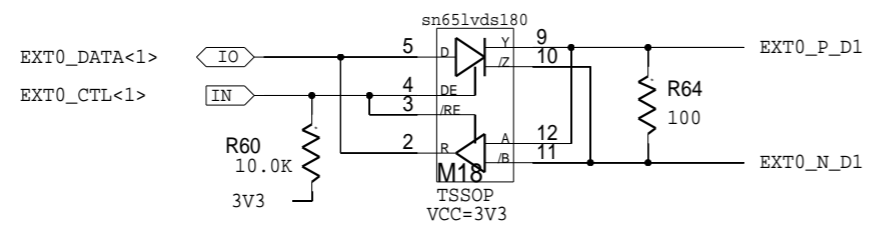
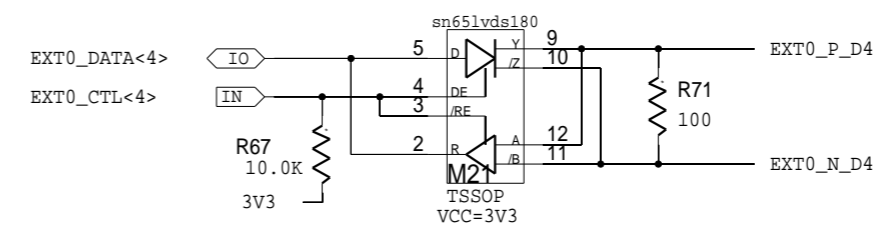
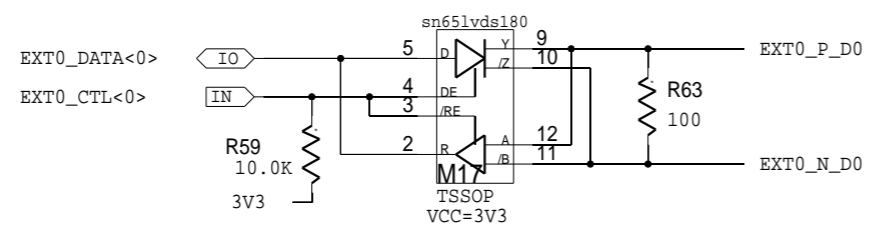
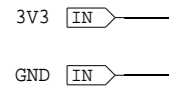
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DESSIN: GM & RA	DATE: 04/11/2014
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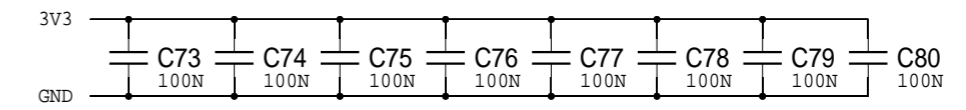
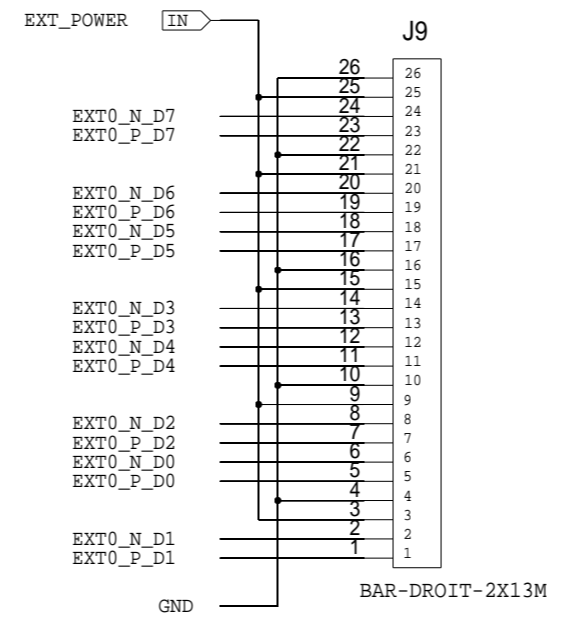
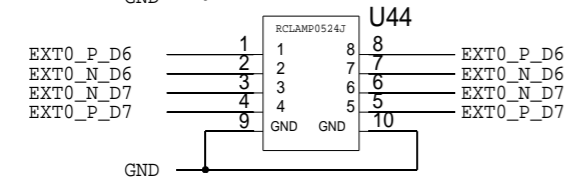
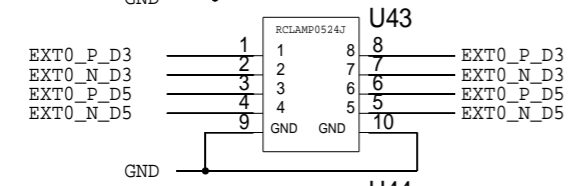
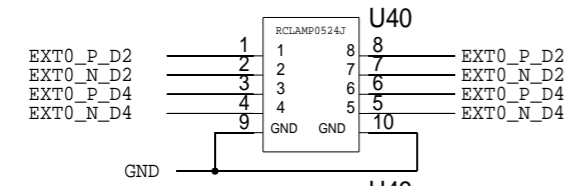
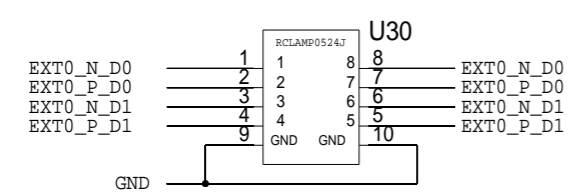
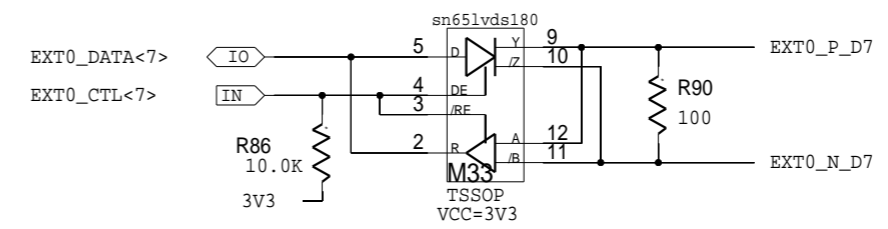
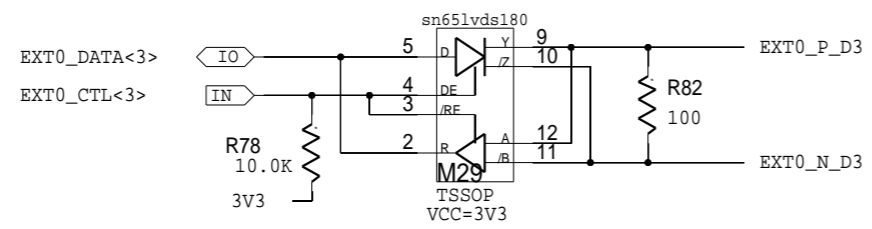
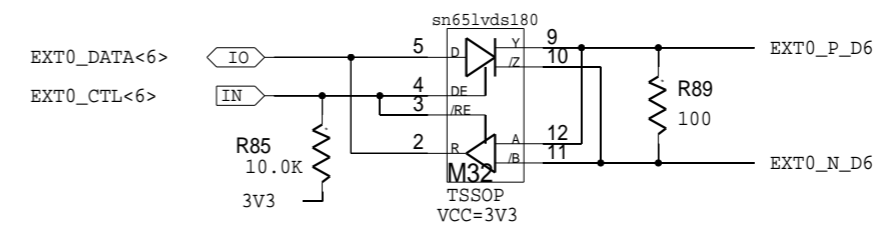
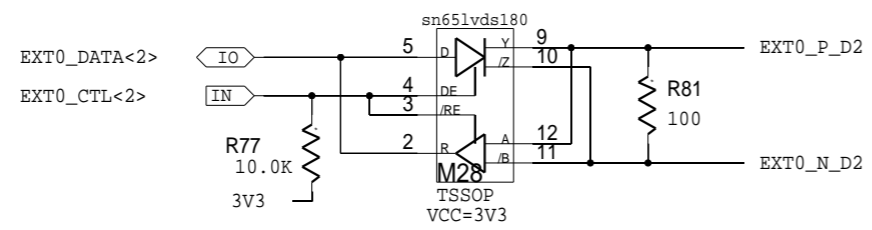
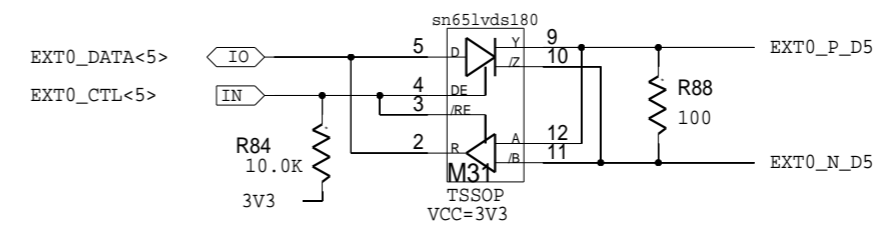
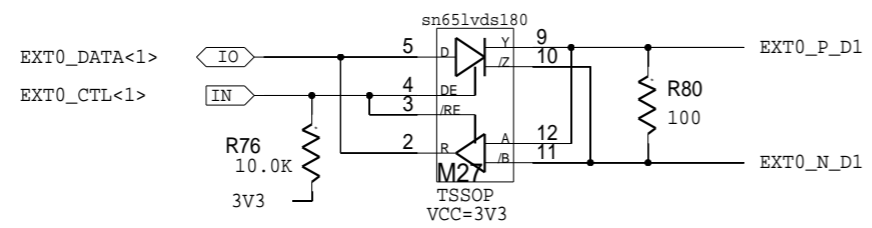
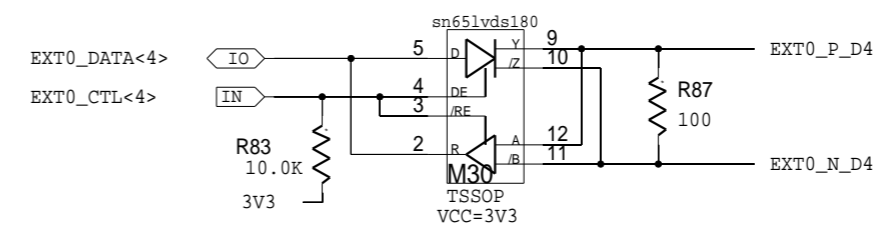
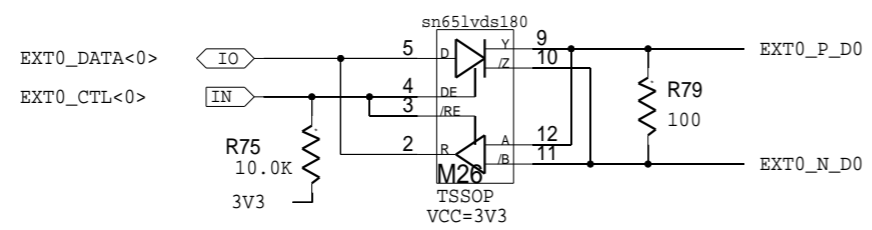
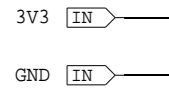


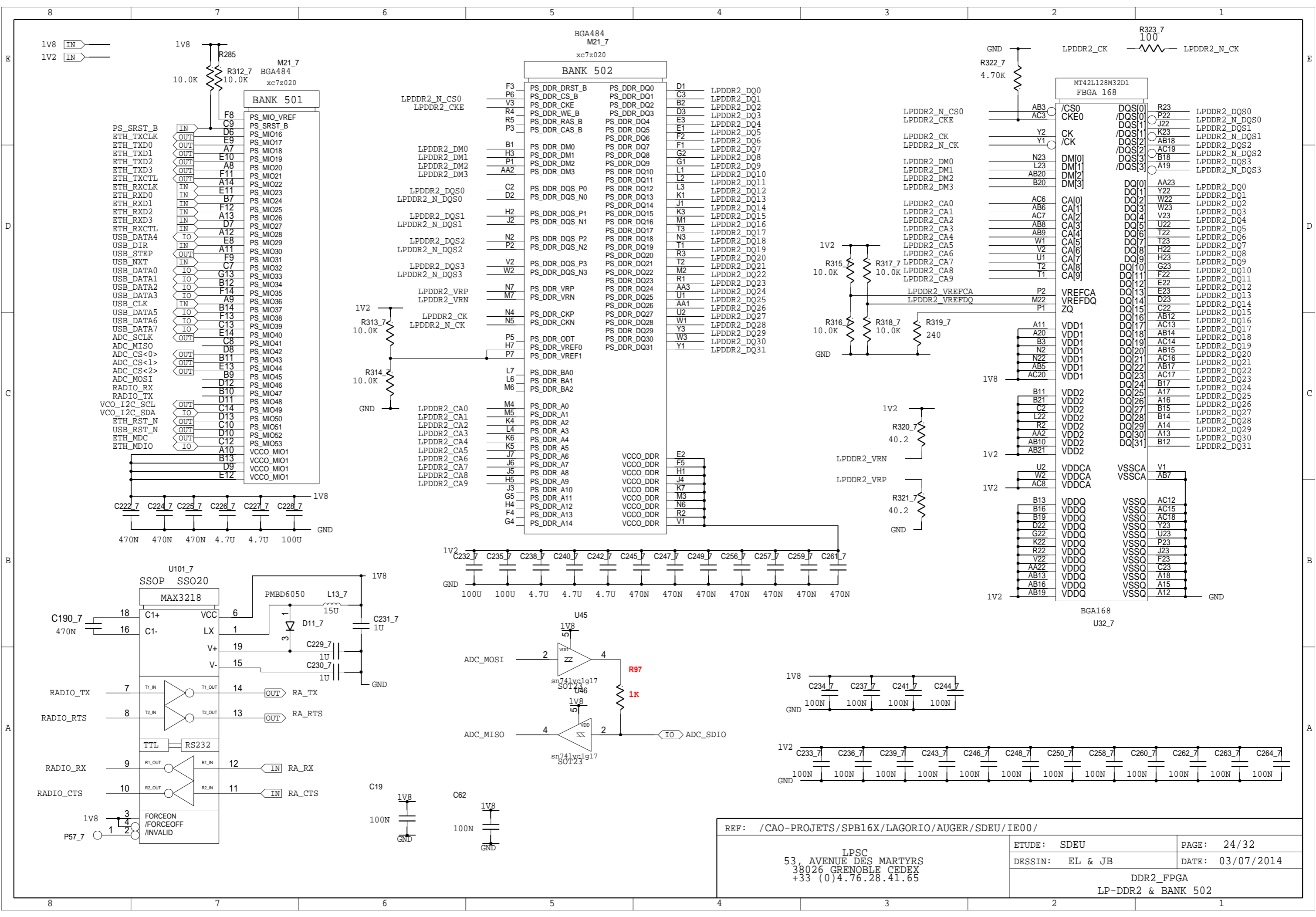
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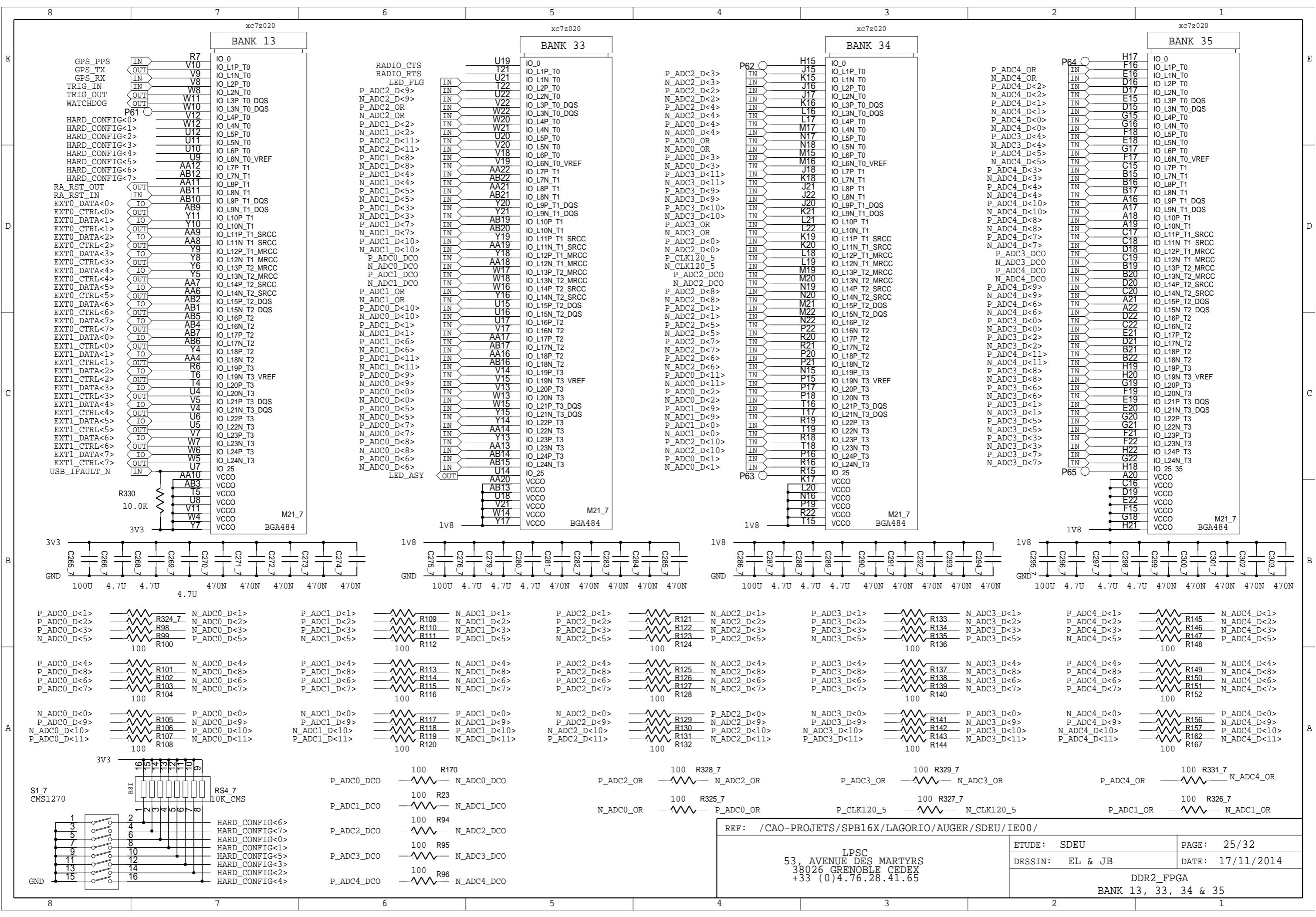
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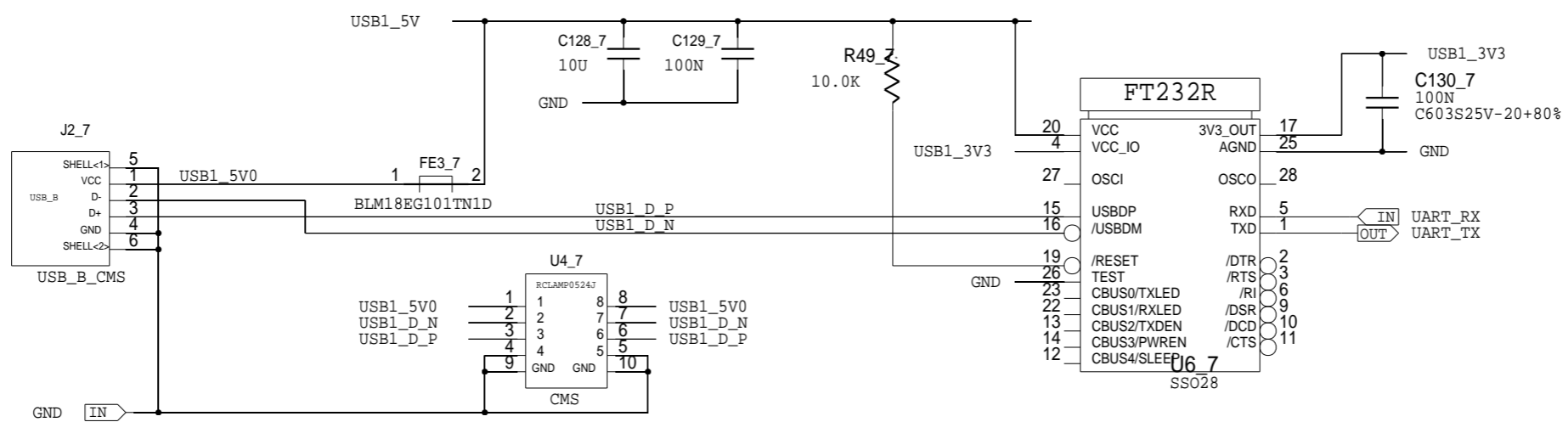
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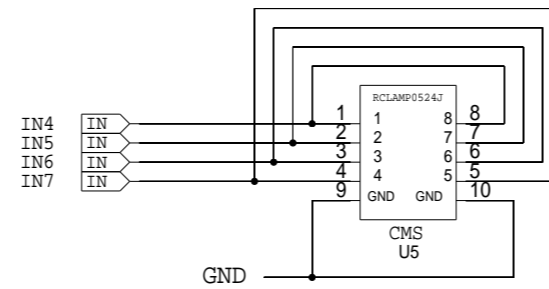
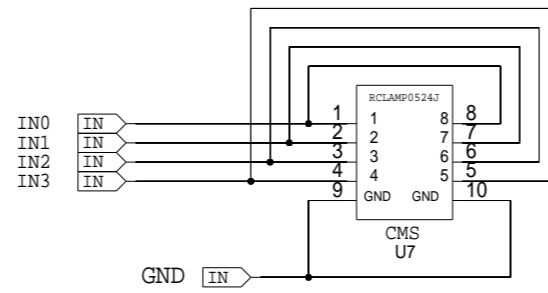




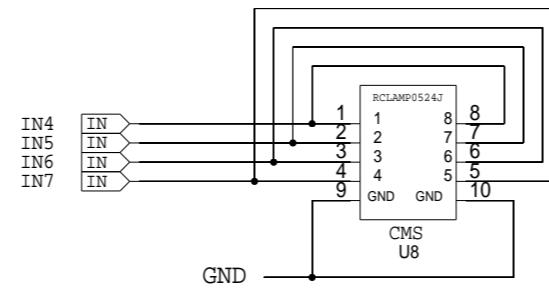
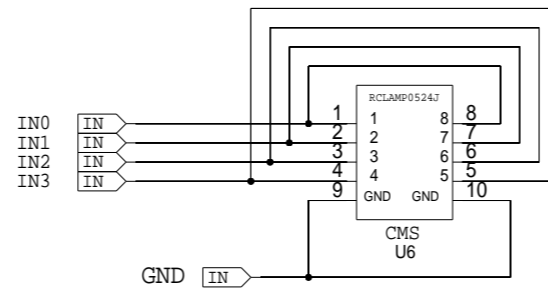




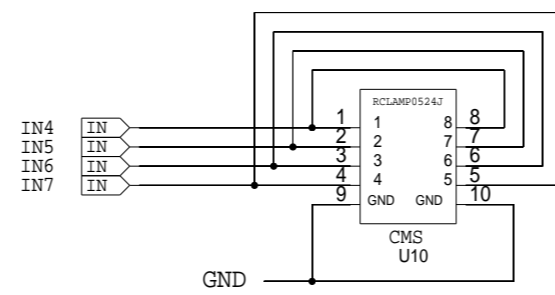
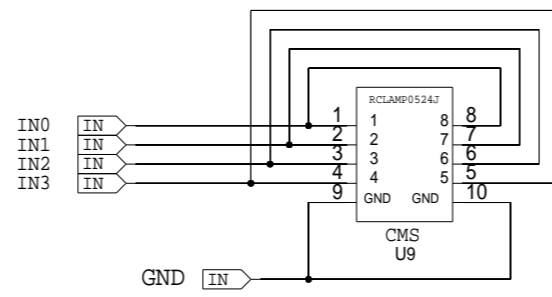
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	DESSIN: EL & JB	DATE: 17/03/2015
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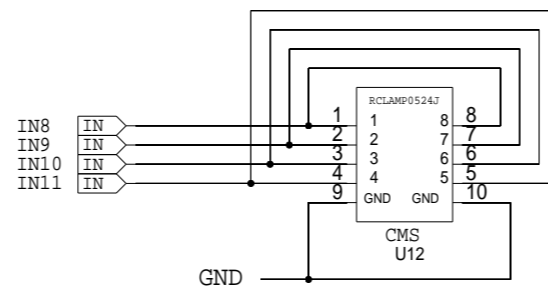
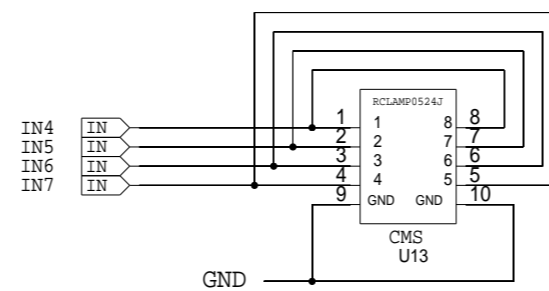
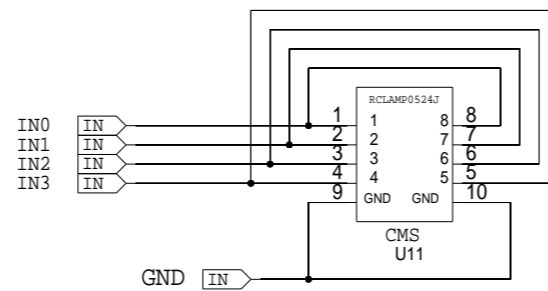
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ESD 8 PINS PROTECTION DB15 CONNECTORS		



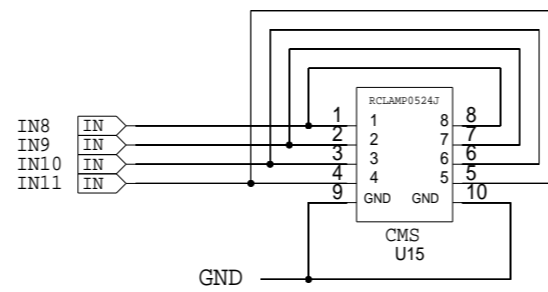
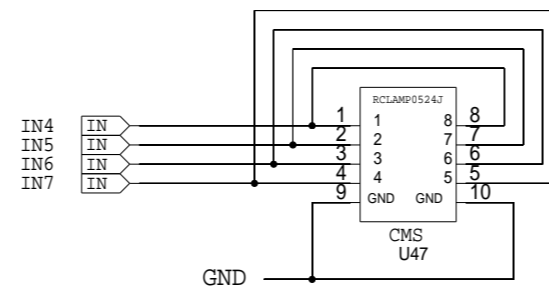
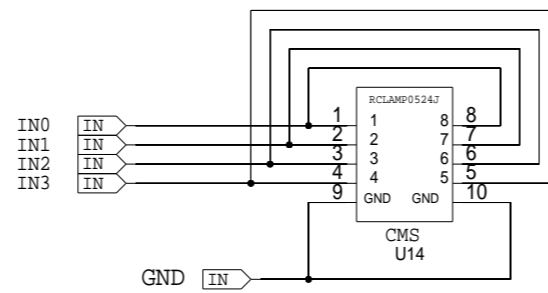
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	DESSIN: EL & JB	DATE: 30/01/2015
ESD 8 PINS PROTECTION DB15 CONNECTORS		



REF: /CAO-PROJETS/SPB16X/LAGORIO/AUGER/SDEU/IE00/		ETUDE: SDEU	PAGE: 30/32
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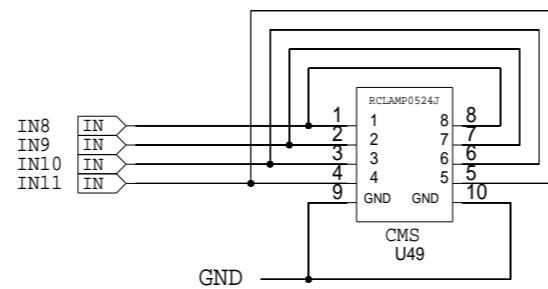
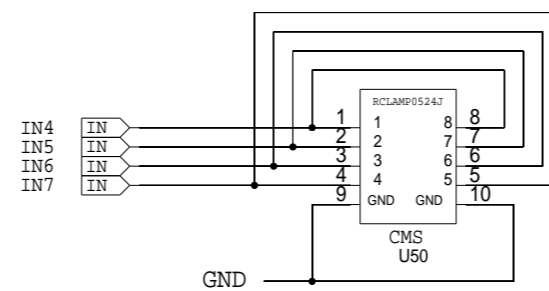
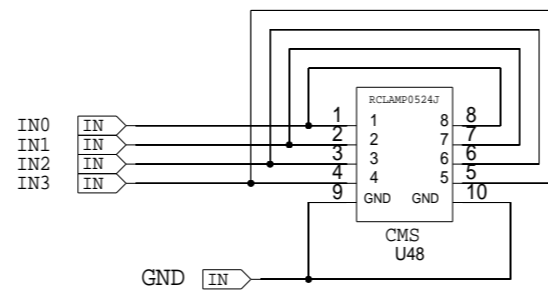
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PAGE: 31/32

DESSIN: EL & JB

DATE: 02/07/2014

ESD 12 PINS PROTECTION
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ETUDE: SDEU

PAGE: 32/32

DESSIN: EL & JB

DATE: 02/07/2014

ESD 12 PINS PROTECTION
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