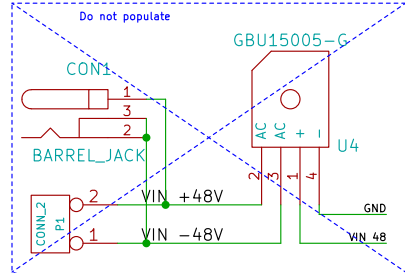
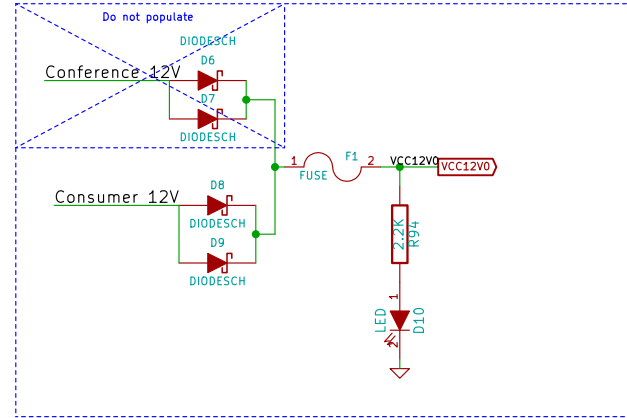
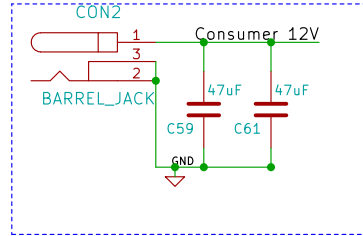


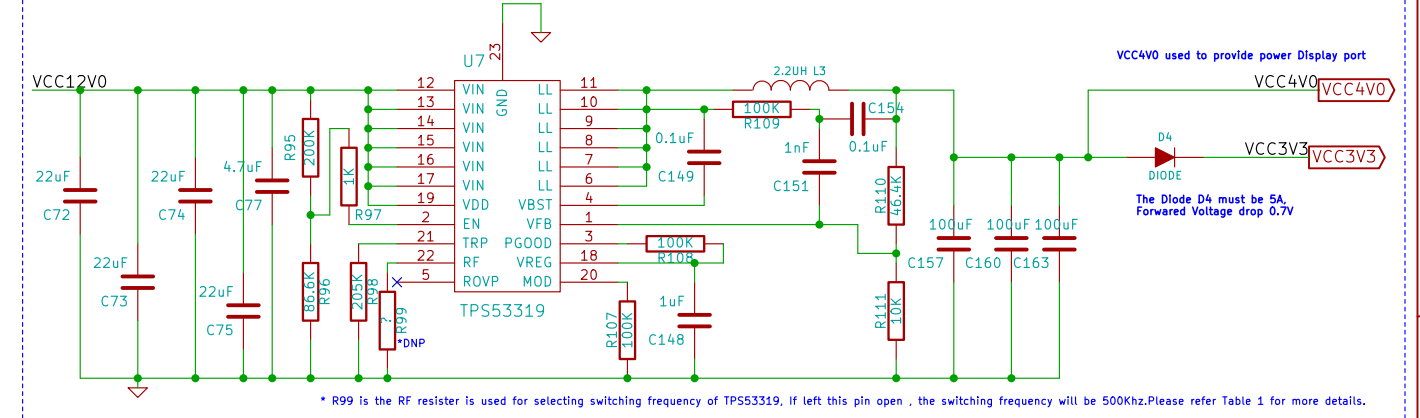
Wide Range Power Supply



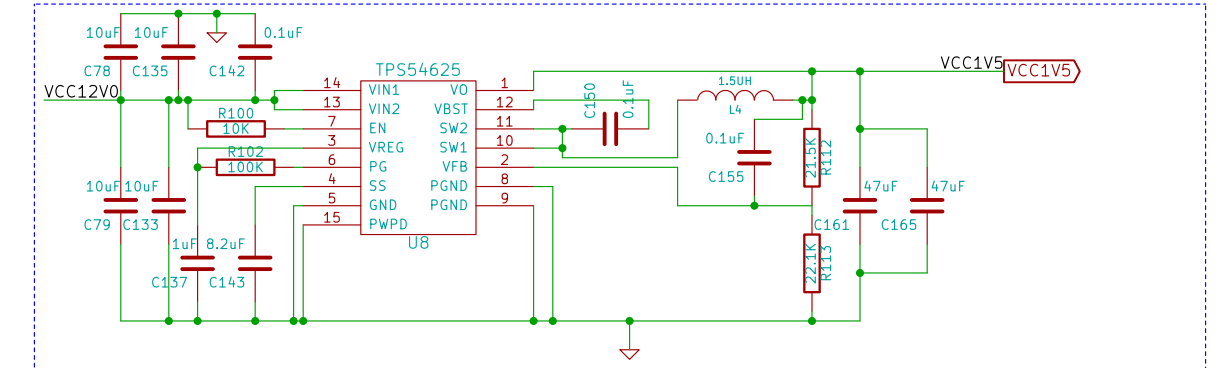
Basic Power Supply



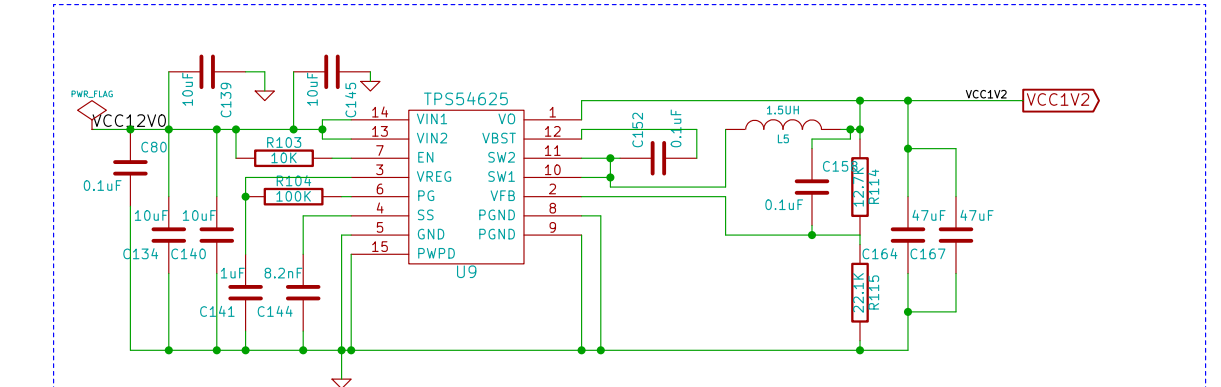
VCC3V3



VCC1V5



VCC1V2



VCC0V75

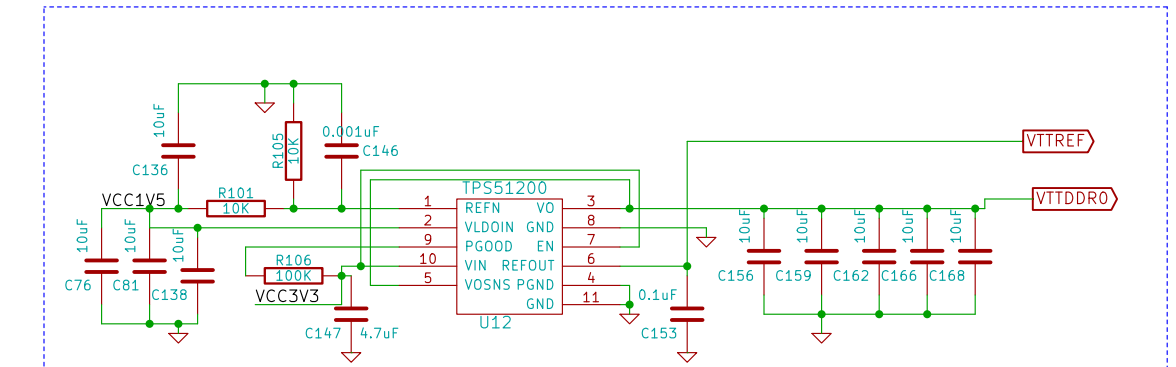
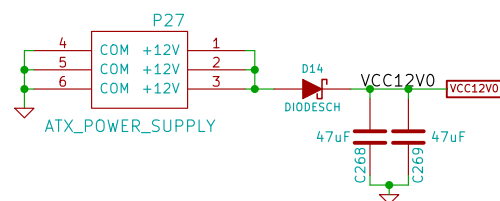


Table 1 Resistor and Switching Frequency

RESISTOR (R _{RF}) CONNECTIONS		SWITCHING FREQUENCY (f _{sw}) (kHz)
VALUE (kΩ)	CONNECT TO	
0	GND	250
187	GND	300
619	GND	400
OPEN	n/a	500



\$!d: fe05f9a7b63efa227744b9dfde989bd6d71b1d80 \$
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File: Power.sch

Sheet: /Power/

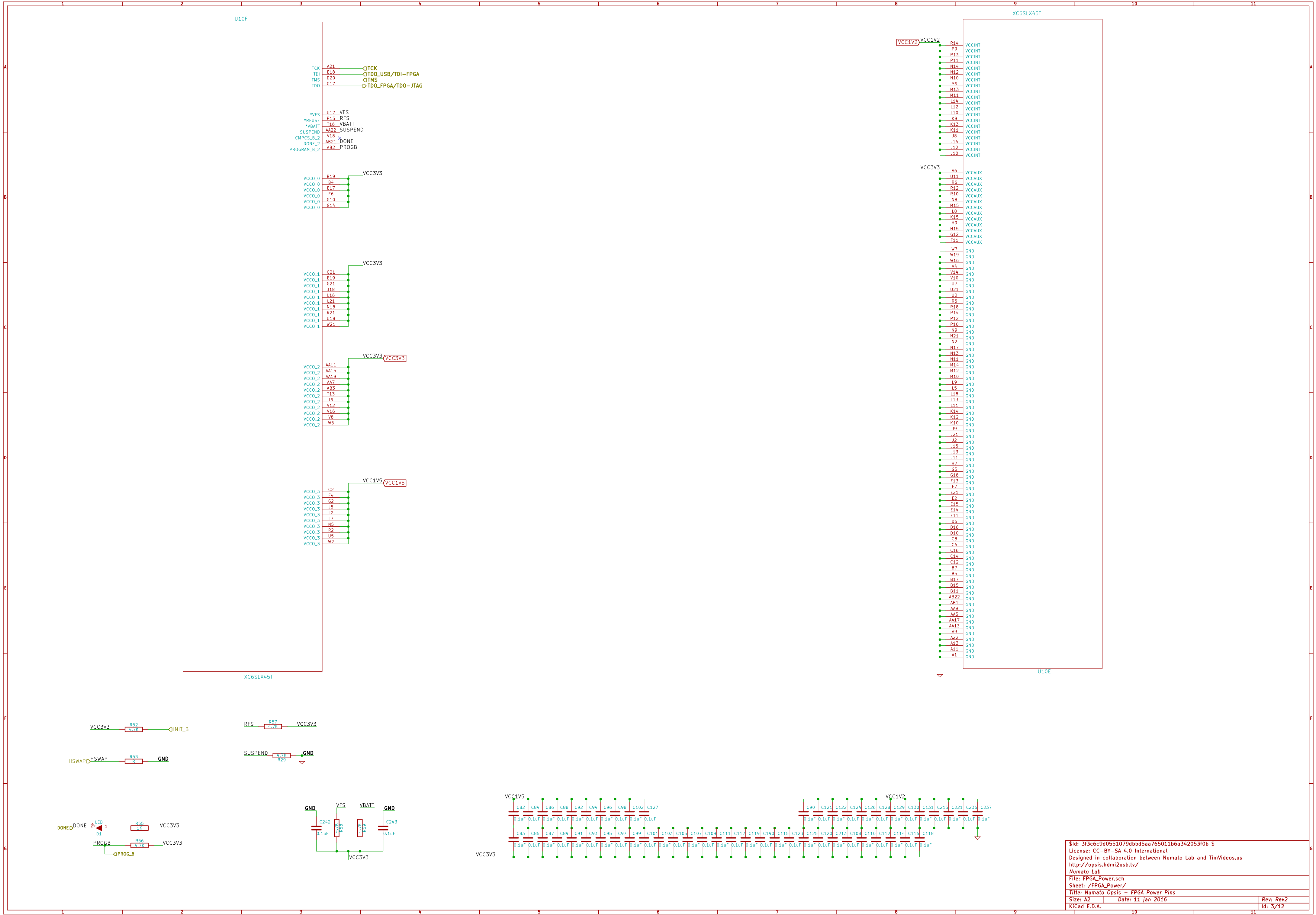
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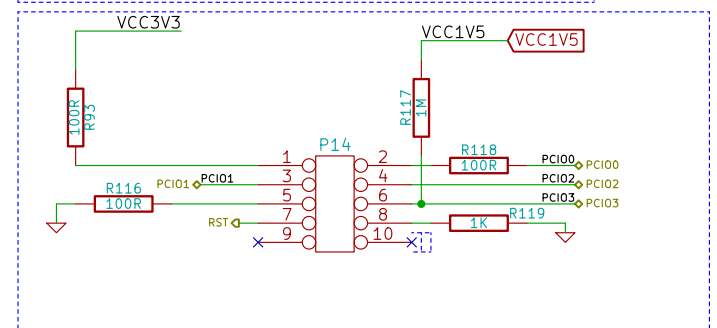
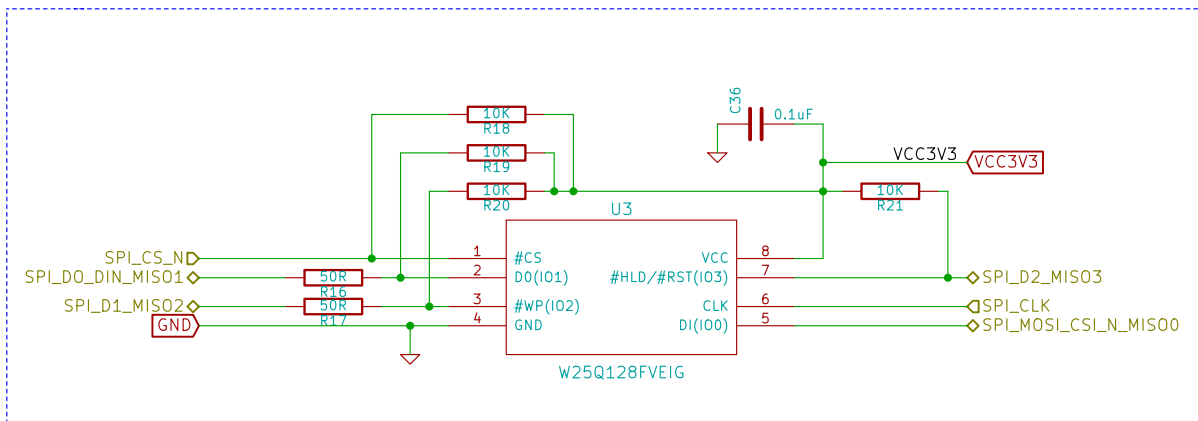
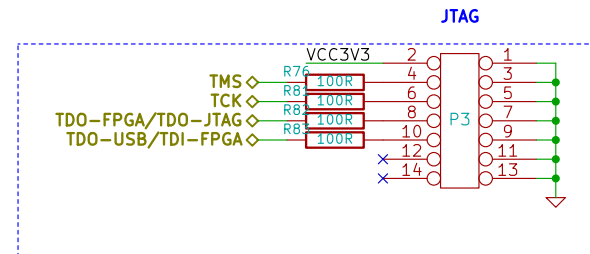
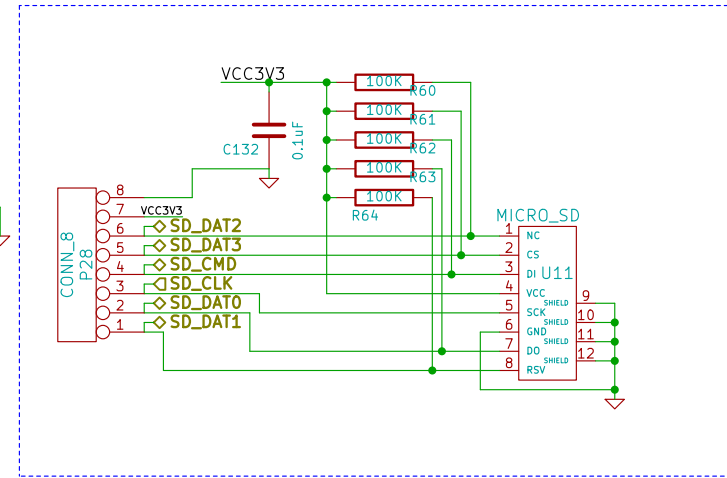
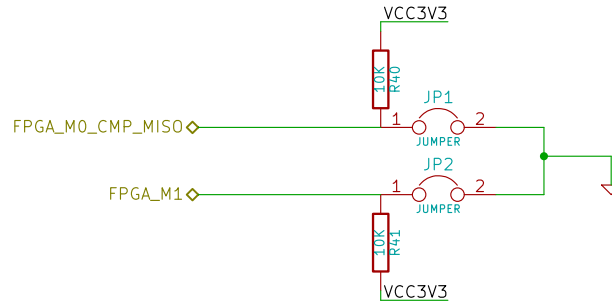
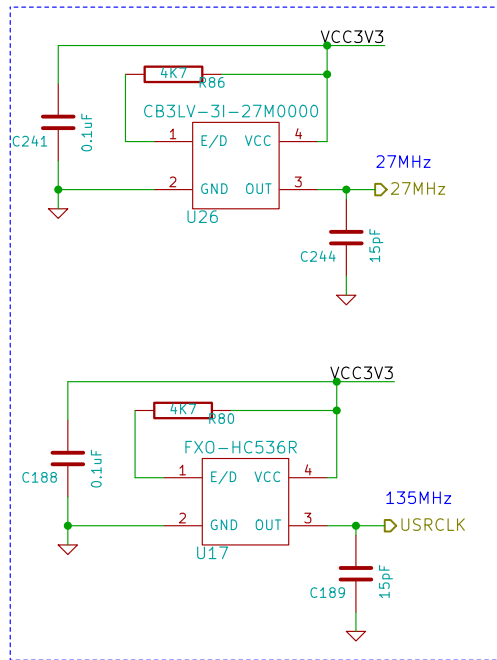
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KiCad E.D.A.

Rev: Rev2

Id: 2/12





\$Id: 0fe05815db3cdd58968b2378be315199a299ea26 \$

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File: SPI.sch

Sheet: /SPI_Flash/

Title: Numato Opsis - FPGA Support (SPI Flash, Clocks, etc)

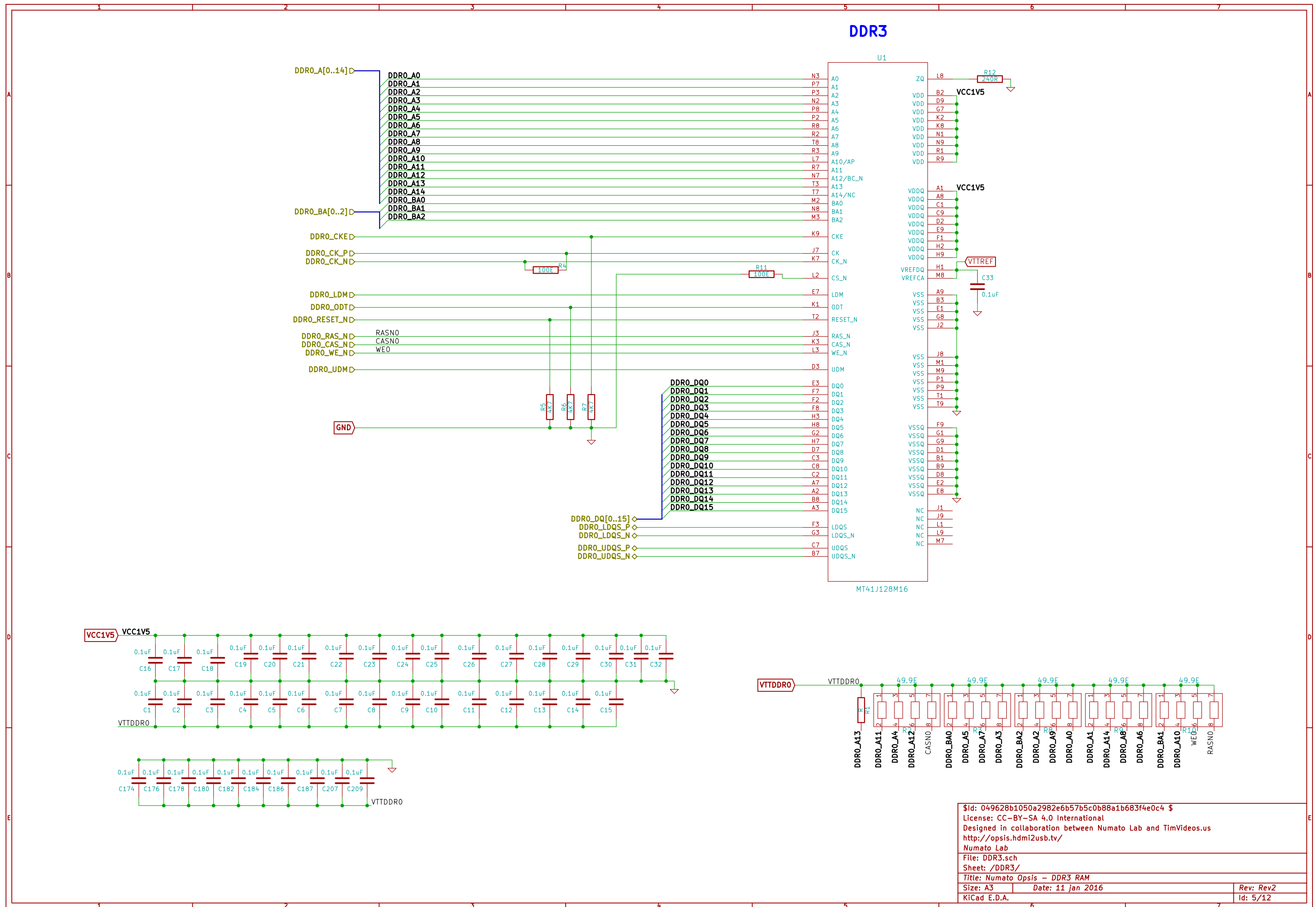
Size: A4

Date: 11 jan 2016

Rev: Rev2

KiCad E.D.A.

Id: 4/12



DISPLAY PORT TX

DISPLAY PORT RX

Pin 1: ML_LaneP0
Pin 2: GND
Pin 3: ML_LaneN0
Pin 4: ML_LaneP1
Pin 5: GND
Pin 6: ML_LaneN1
Pin 7: ML_LaneP2
Pin 8: GND
Pin 9: ML_LaneN2
Pin 10: ML_LaneP3
Pin 11: GND
Pin 12: ML_LaneN3
Pin 13: CONFIG1
Pin 14: CONFIG2
Pin 15: AUXCH_P
Pin 16: GND
Pin 17: AUXCH_N
Pin 18: HPD
Pin 19: RETURN
Pin 20: DP_PWR

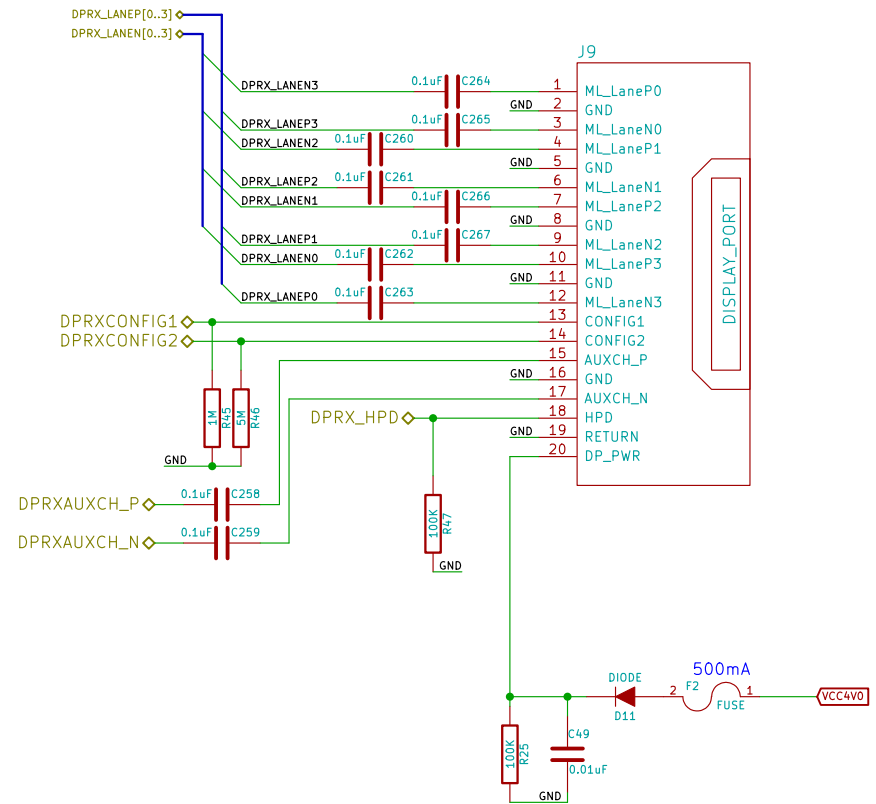
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Pin 7: ML_LaneP2
Pin 8: GND
Pin 9: ML_LaneN2
Pin 10: ML_LaneP3
Pin 11: GND
Pin 12: ML_LaneN3
Pin 13: CONFIG1
Pin 14: CONFIG2
Pin 15: AUXCH_P
Pin 16: GND
Pin 17: AUXCH_N
Pin 18: HPD
Pin 19: RETURN
Pin 20: DP_PWR

File: DisplayPort.sch
Sheet: /DisplayPort/
Title: Numato Opsis - DisplayPort
Size: A4
Date: 11 jan 2016
KiCad E.D.A.

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Rev: Rev2
Id: 6/12

DISPLAY PORT RX



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 Numato Lab

File: DisplayPort.sch

Sheet: /DisplayPort/

Title: Numato Opsis – DisplayPort

Size: A4	Date: 11 jan 2016
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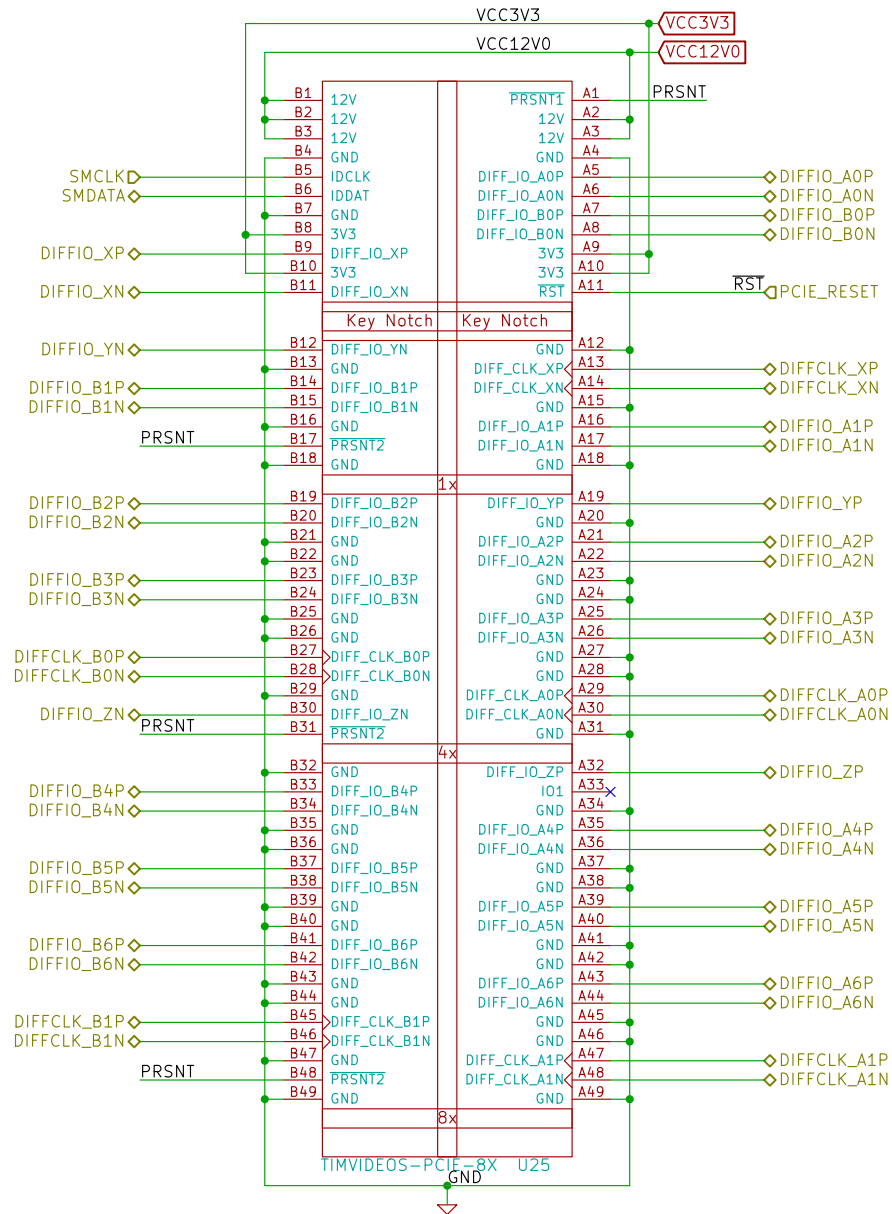
Rev: Rev2

KiCad E.D.A.

Id: 6/12

Rev. REVZ
d: 7/12

PCIe



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File: GPIOs.sch
 Sheet: /GPIOs/

Title: Numato Opsis - TOFE Expansion Header

Size: A4

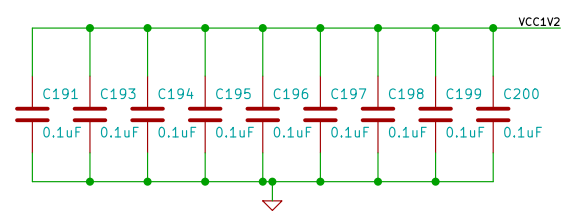
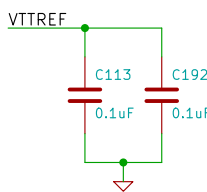
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Rev: Rev2

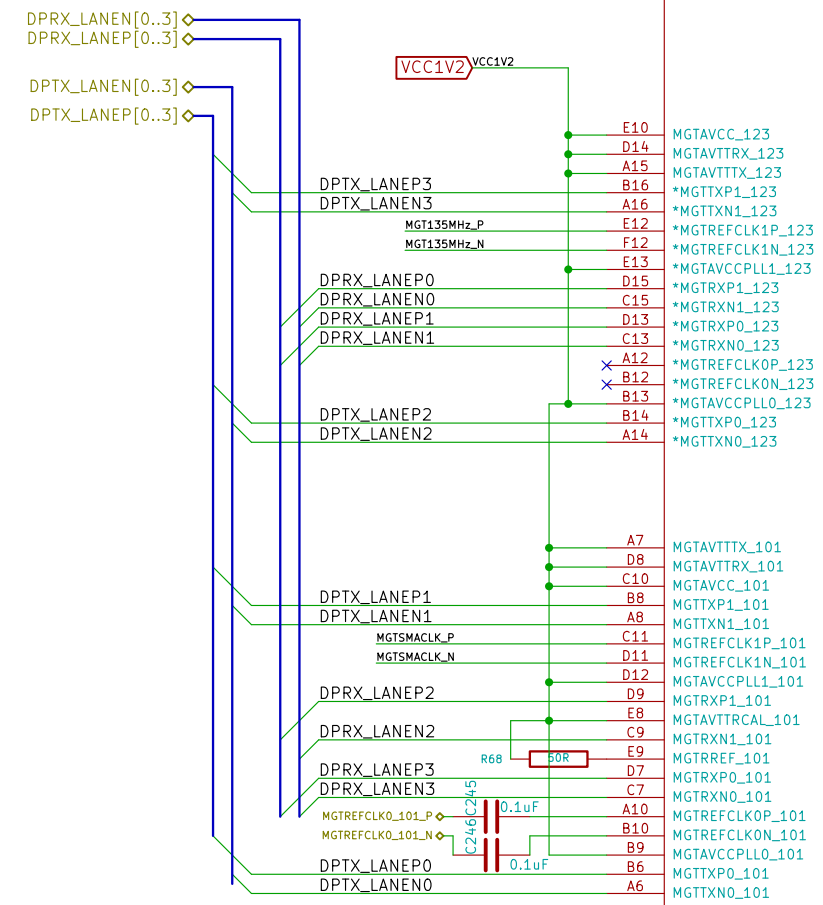
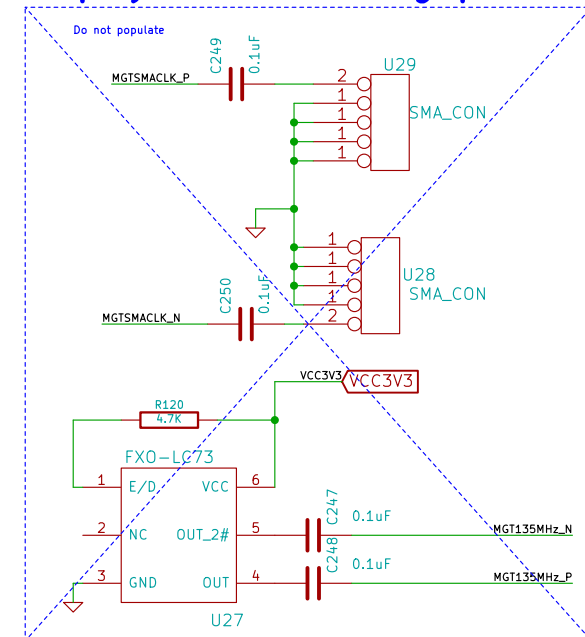
KiCad E.D.A.

Id: 8/12

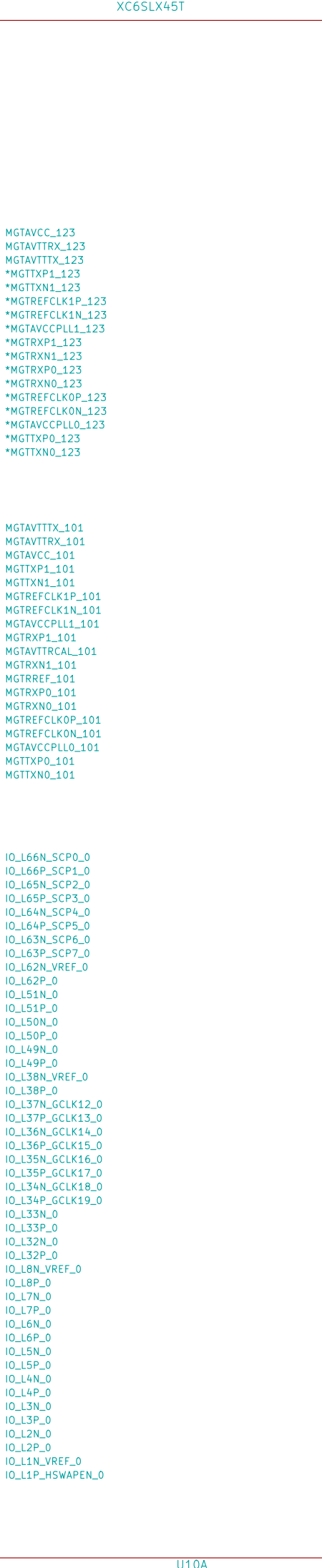
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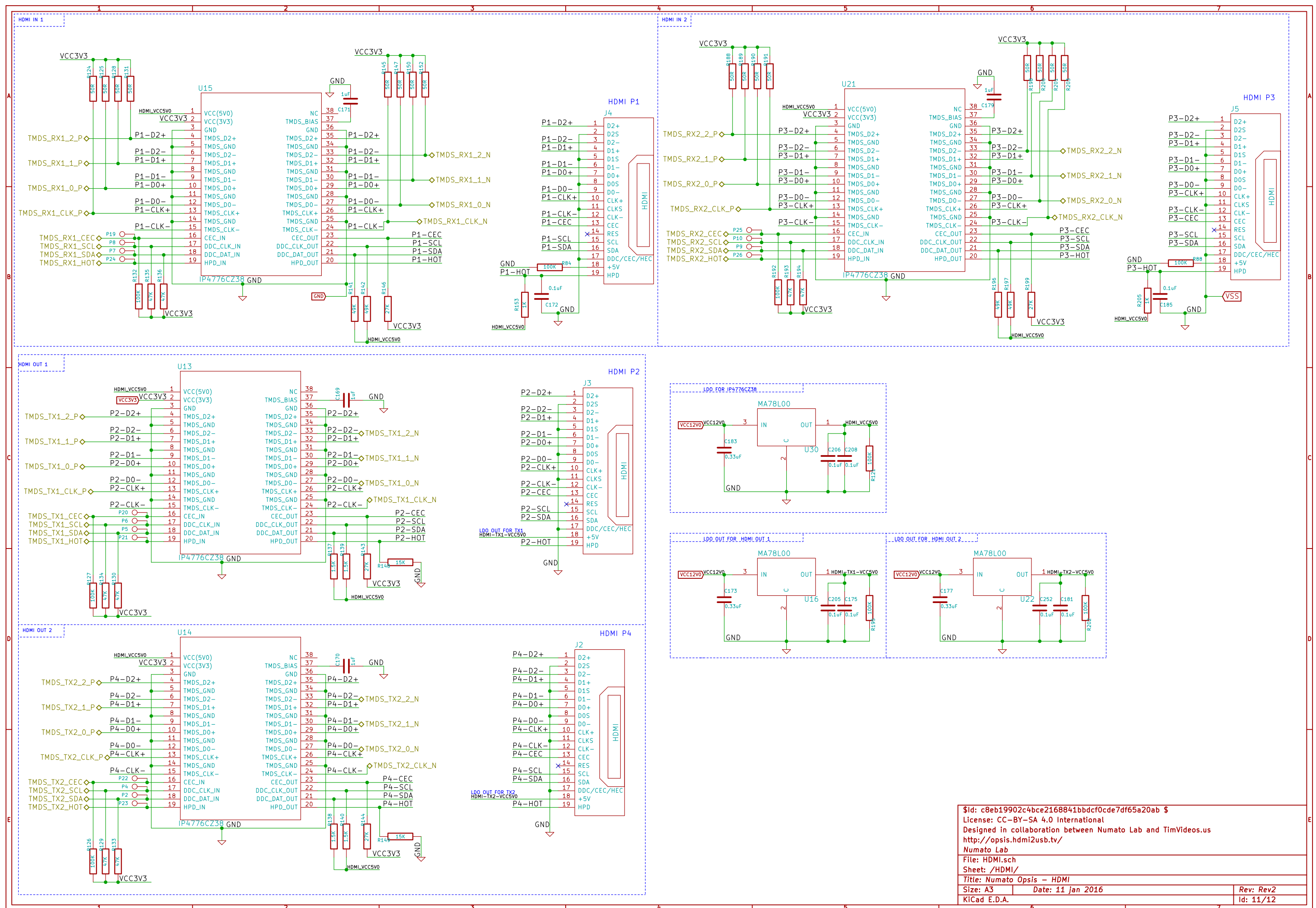


DisplayPort Clock BringUp

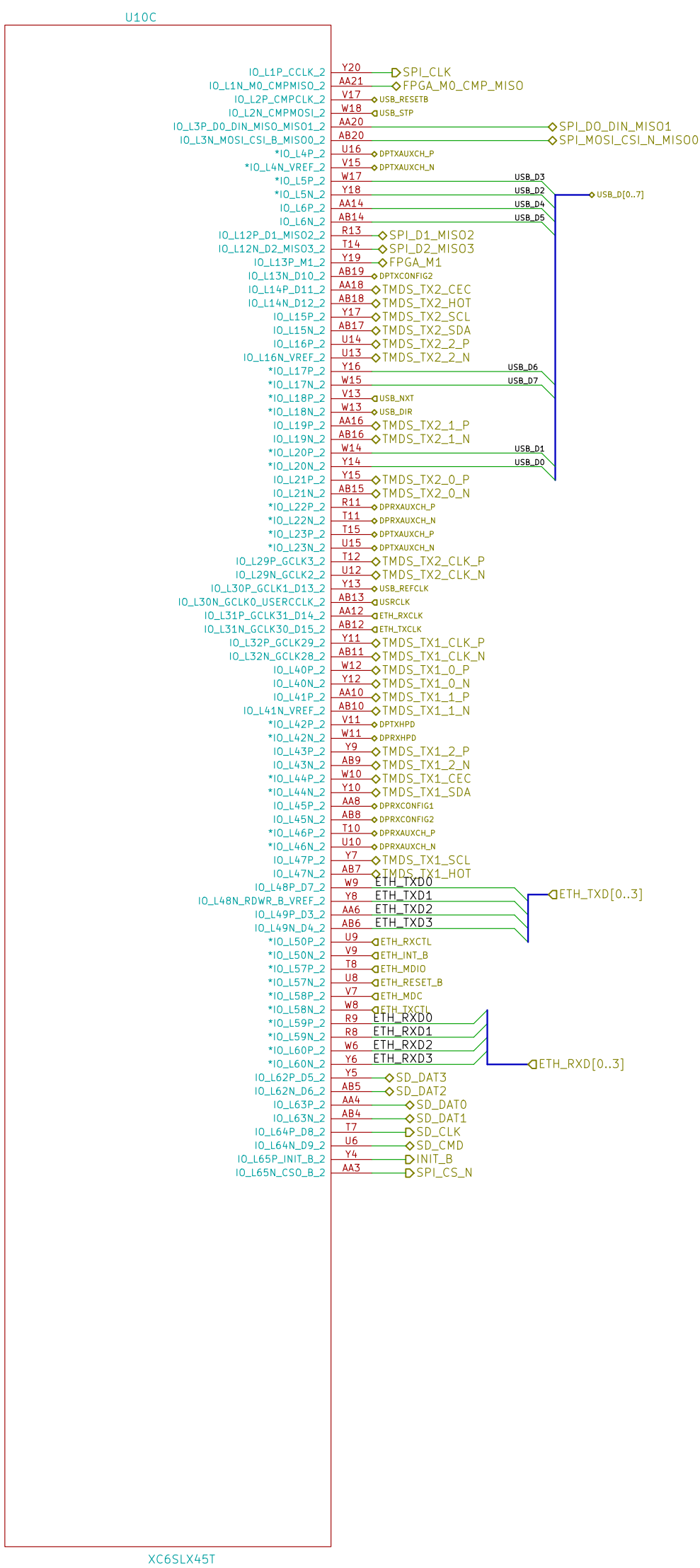


BANK 0





BANK 2



BANK 1

