

NFTC v1.00

NanoFIP test board

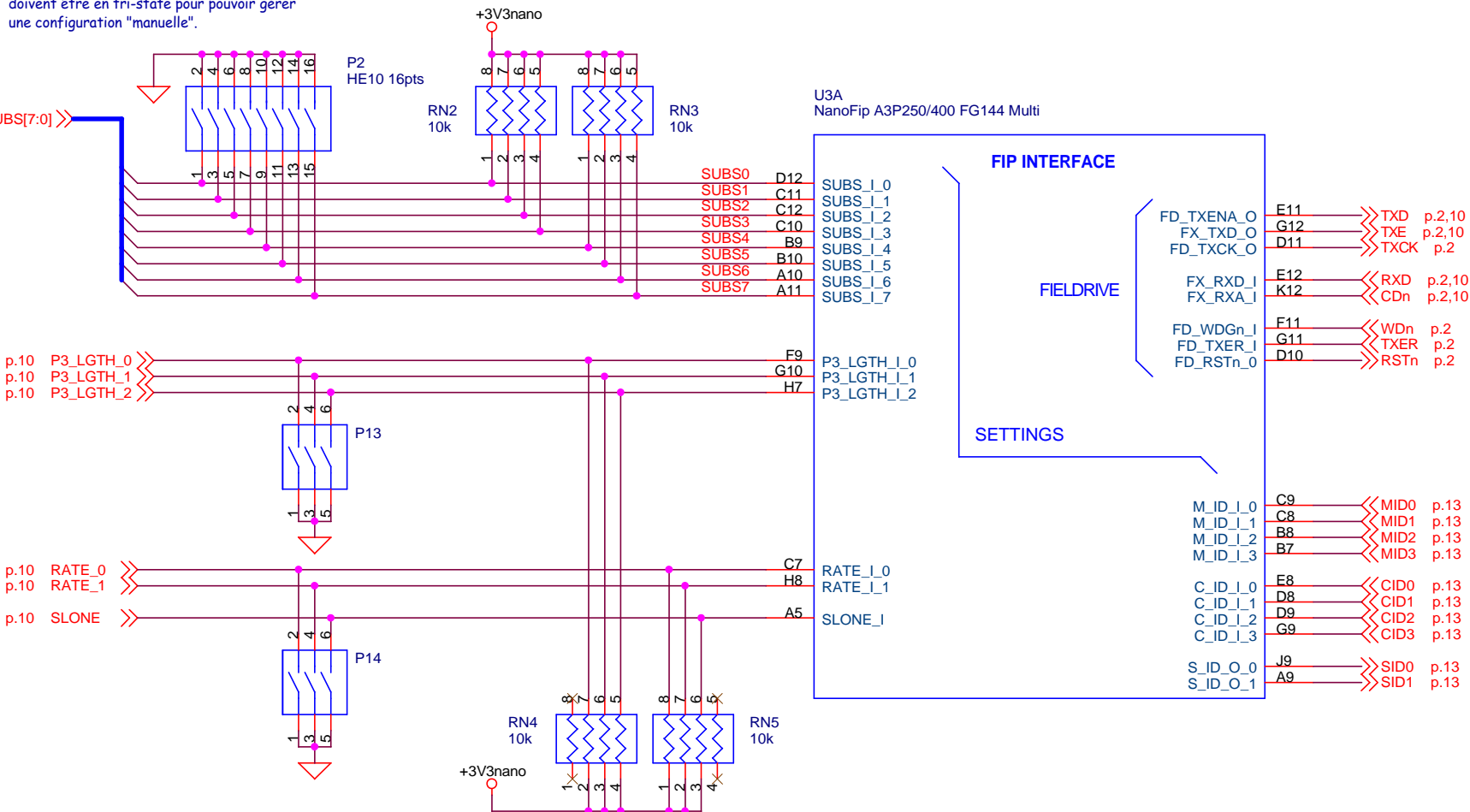
HLP Technologies

35 rue Tournefort
75005 Paris

www.hlp.fr

Title		
Cover		
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Les sorties SUBS du FPGA de controle
doivent être en tri-state pour pouvoir gérer
une configuration "manuelle".

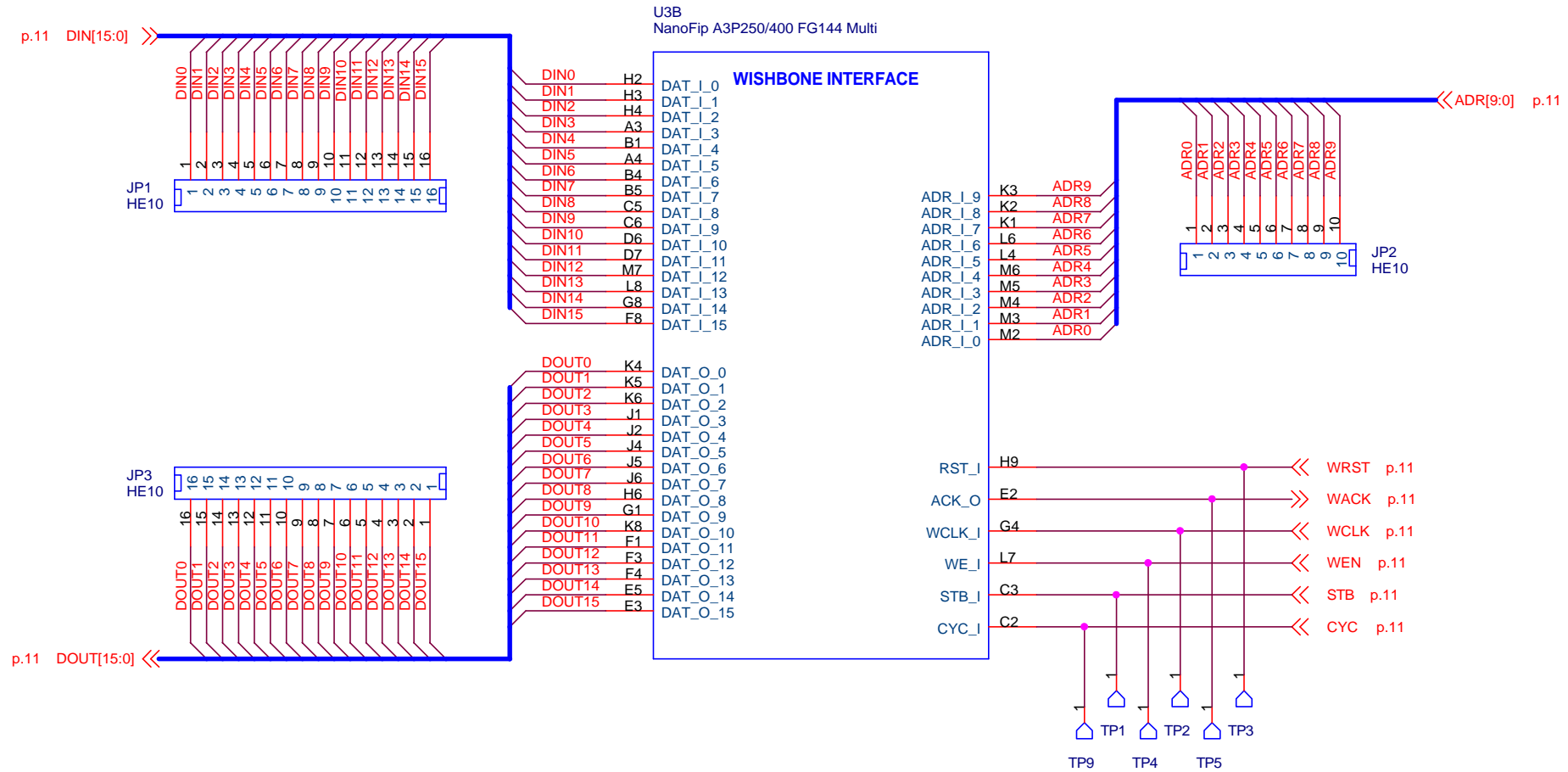


Si l'alimentation du NanoFip est coupée, les entrées
doivent être à 0.
Le FPGA de controle doit gérer des sorties tri-state

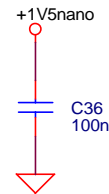
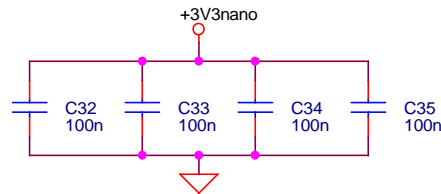
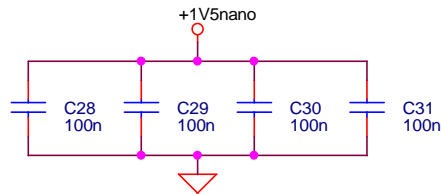
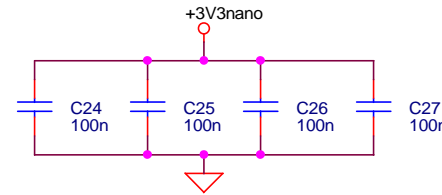
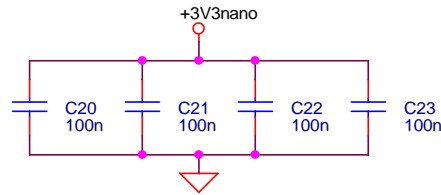
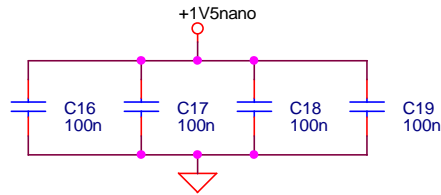
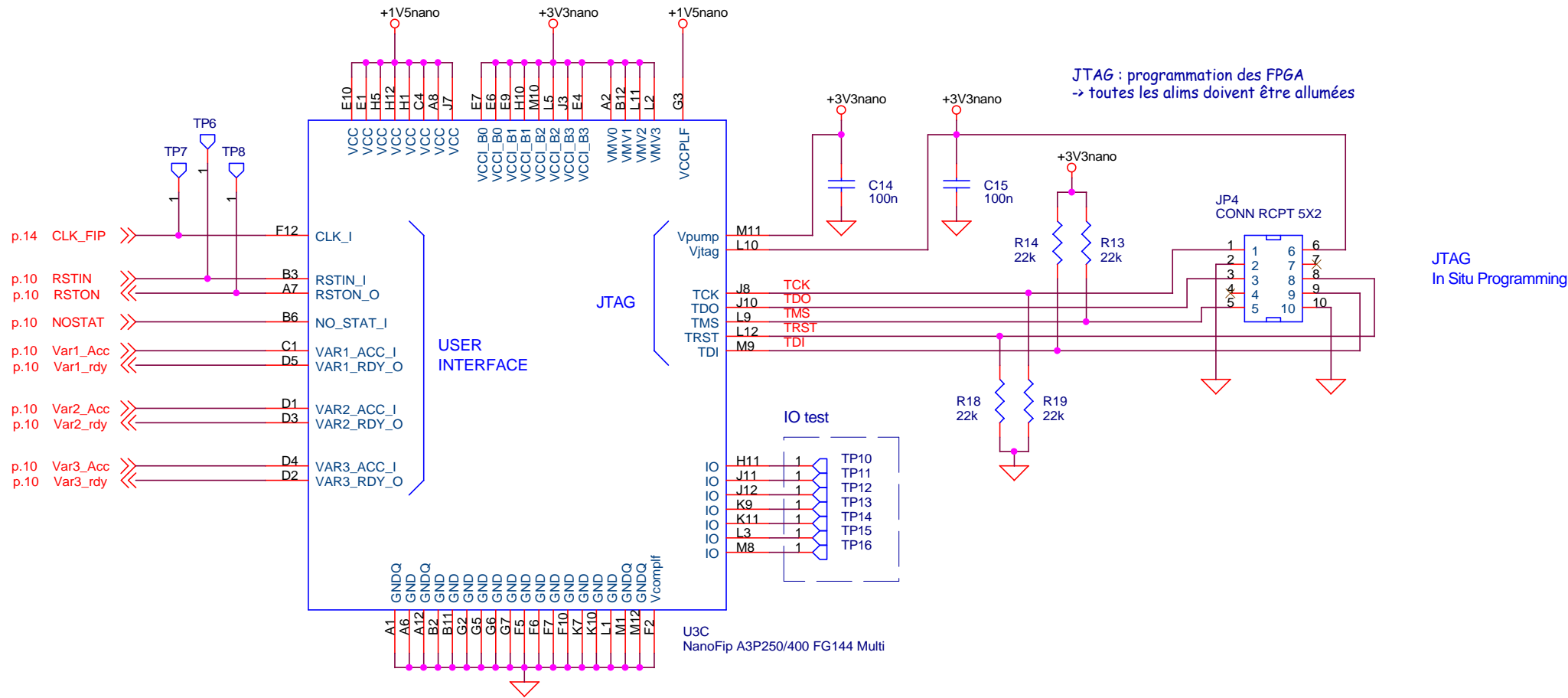
RATE_0	RATE_1	
0	0	31.25 kbps
0	1	1 Mbps
1	0	2.5 Mbps
1	1	reserved

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NanoFip 1		
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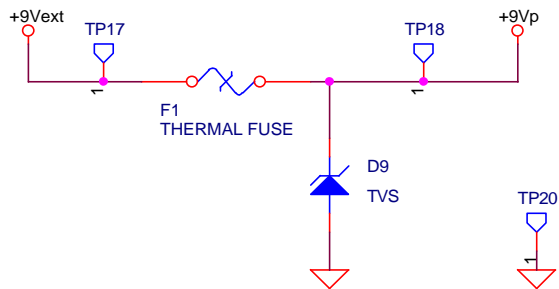
Si l'alimentation du NanoFip est coupée, les entrées
doivent être à 0.
Le FPGA de controle doit forcer ses sorties à 0



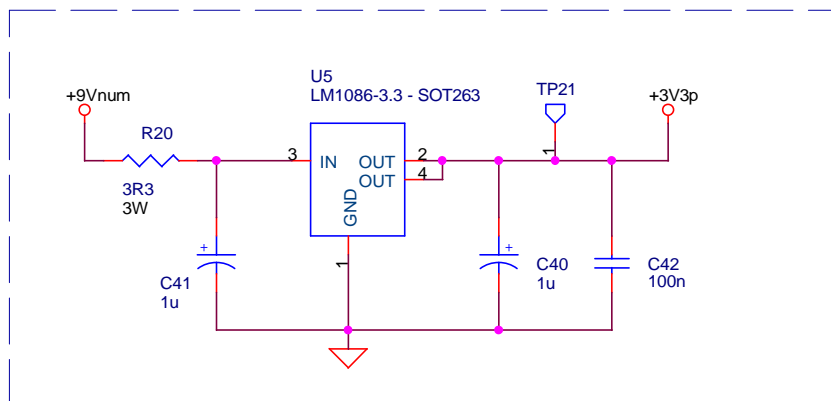
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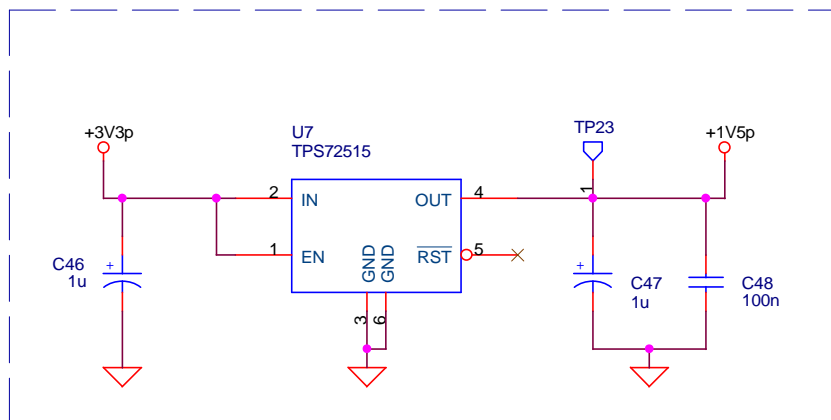
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NanoFip 3		
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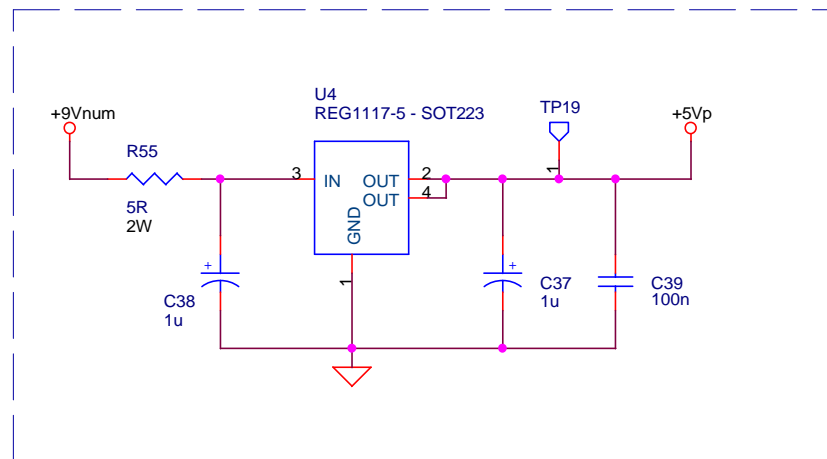
ALIMENTATION 3V3



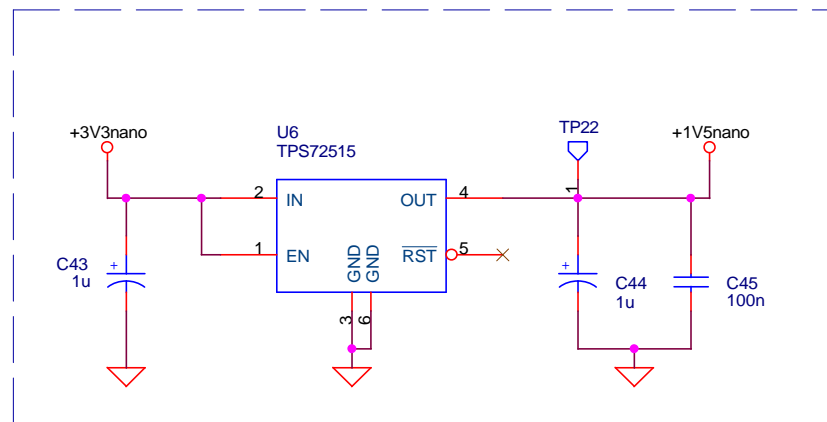
ALIMENTATION 1V5



ALIMENTATION 5V

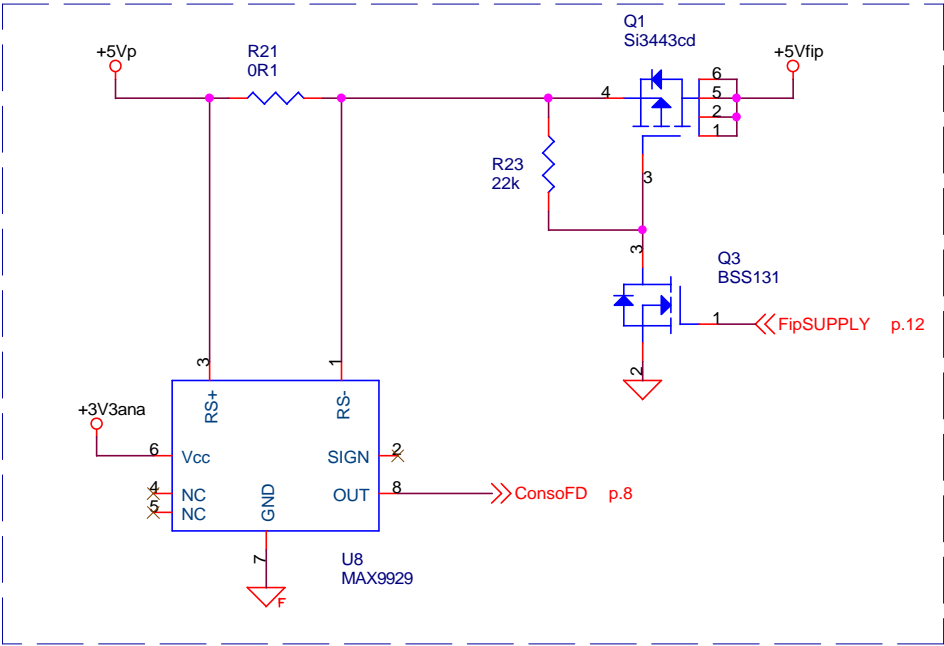


ALIMENTATION 1V5 (NanoFip)

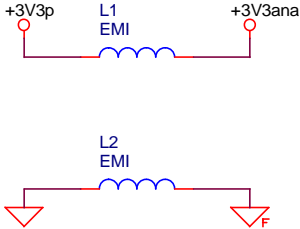
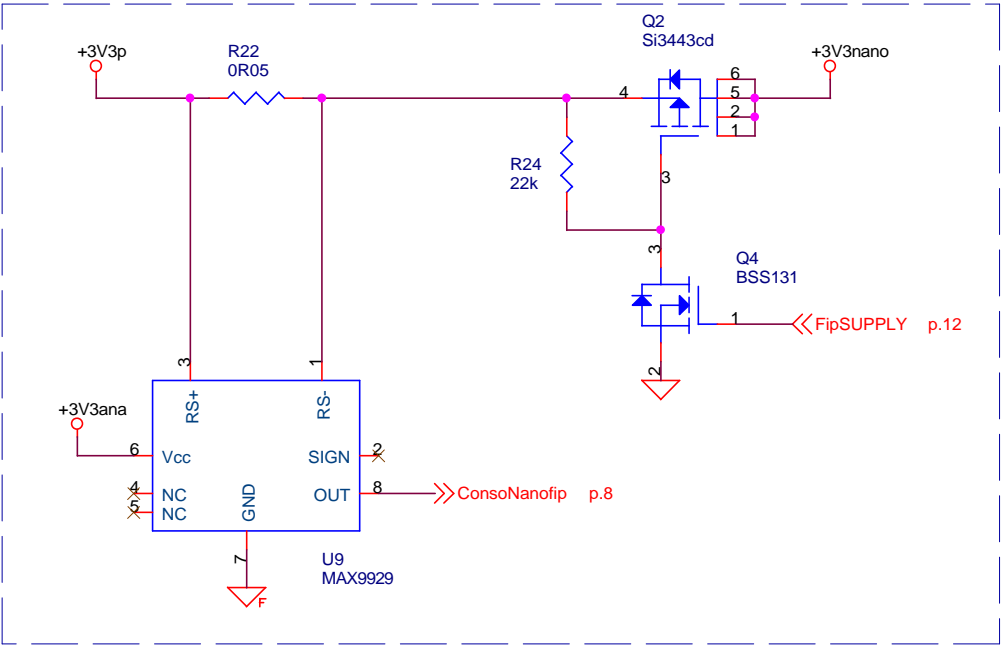


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Alimentation		
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Mesure consommation du Fieldrive

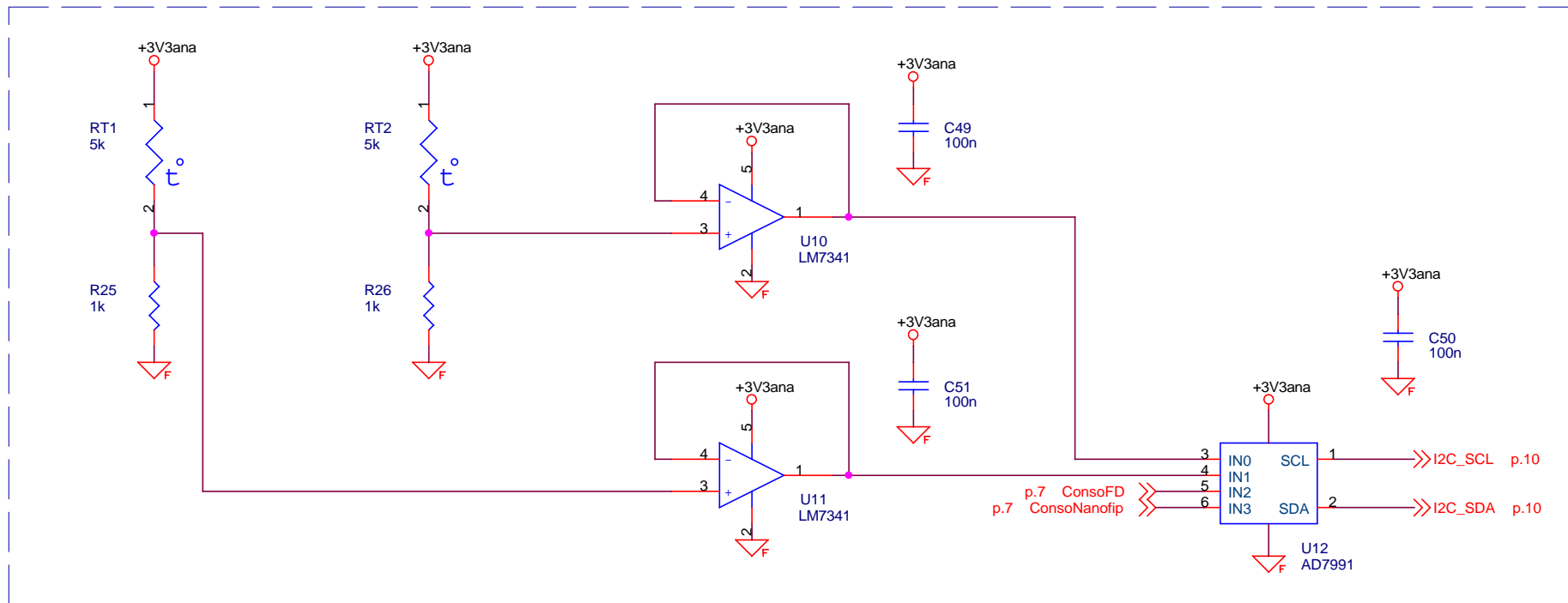


Mesure consommation du NanoFip

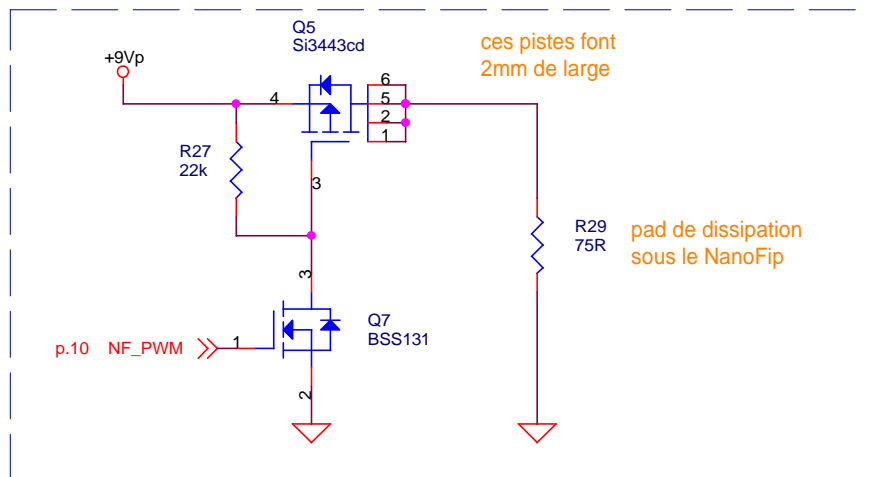


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Current sense		
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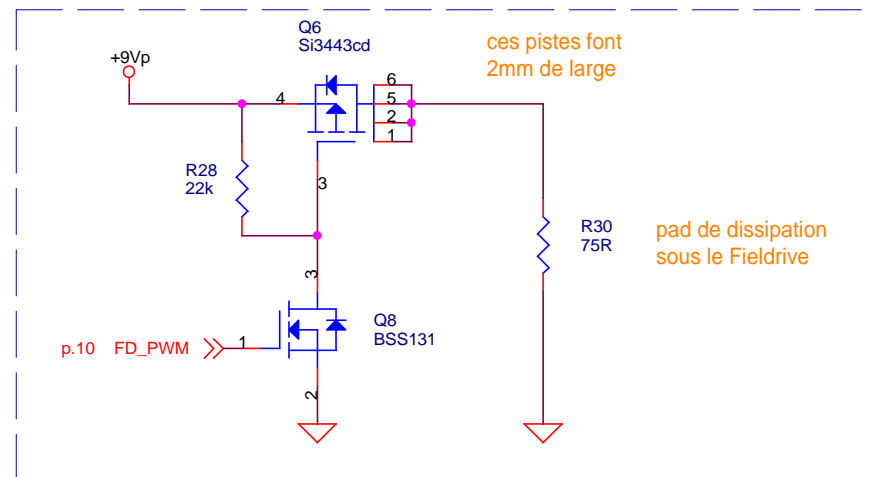
Mesure température Fieldrive & NanoFip



Commande chauffage NanoFip

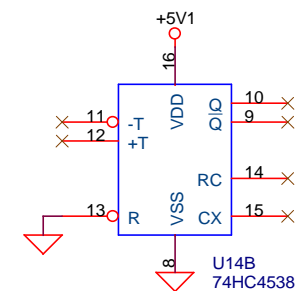
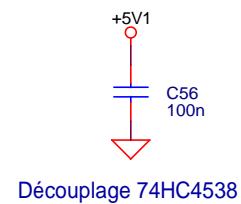
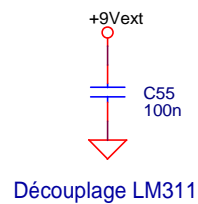
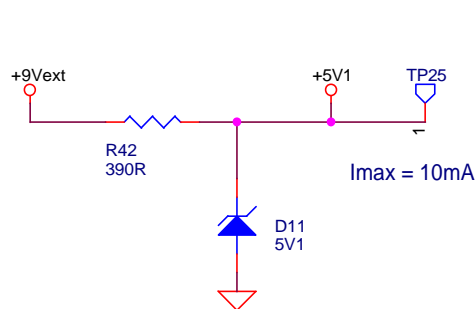
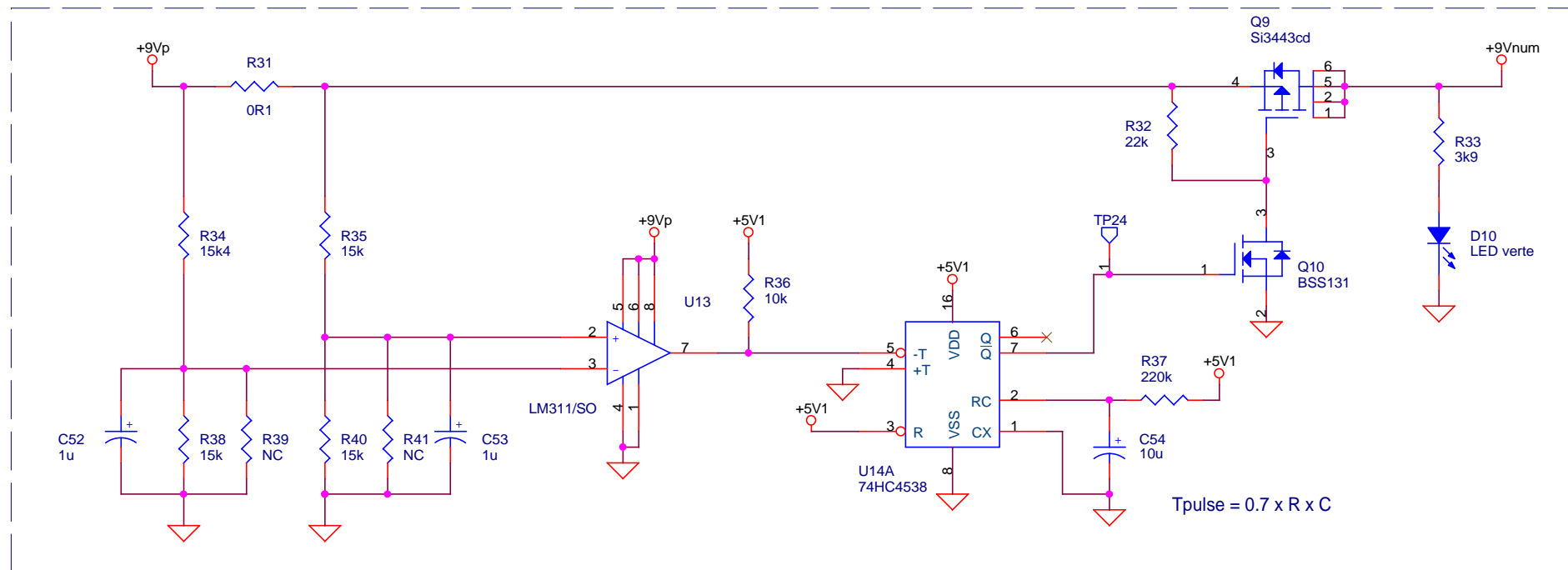


Commande chauffage Fieldrive



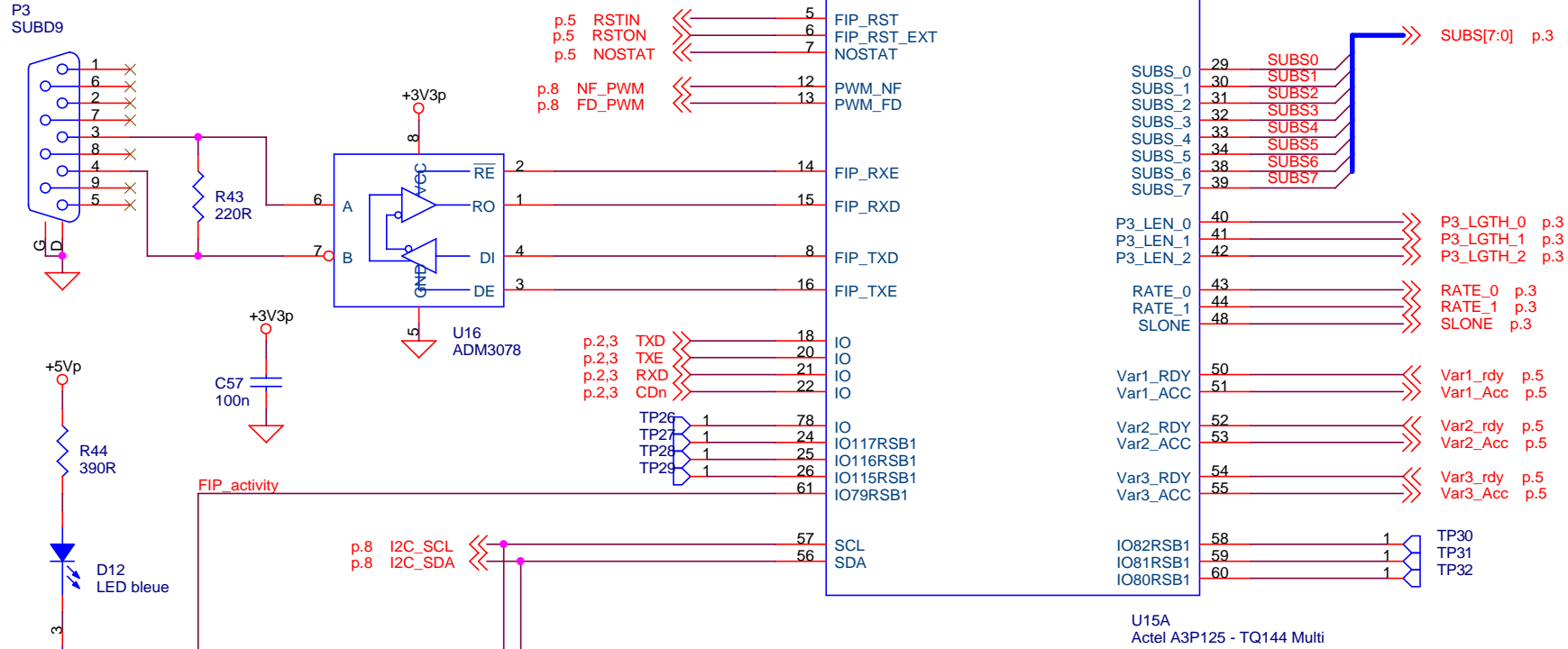
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Temperature management		
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Protection Latch-up



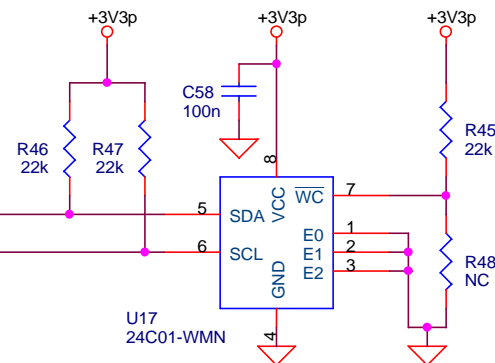
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Latch-up		
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Les sorties doivent être forcée à 0 si
l'alimentation 3V3nano est coupée.



Les sorties doivent être forcée à 0 si
l'alimentation 3V3nano est coupée.

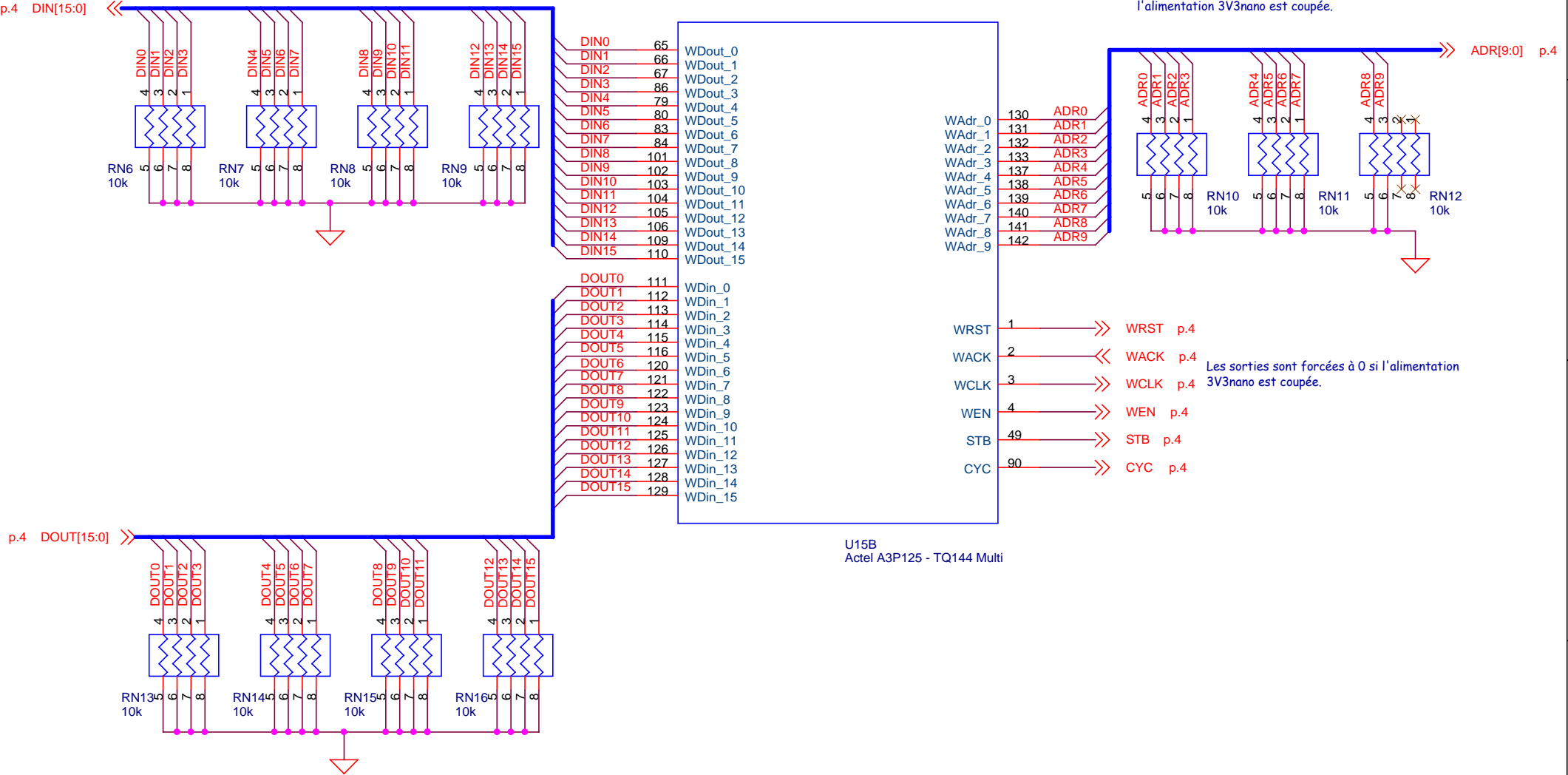
EEPROM serie I2C



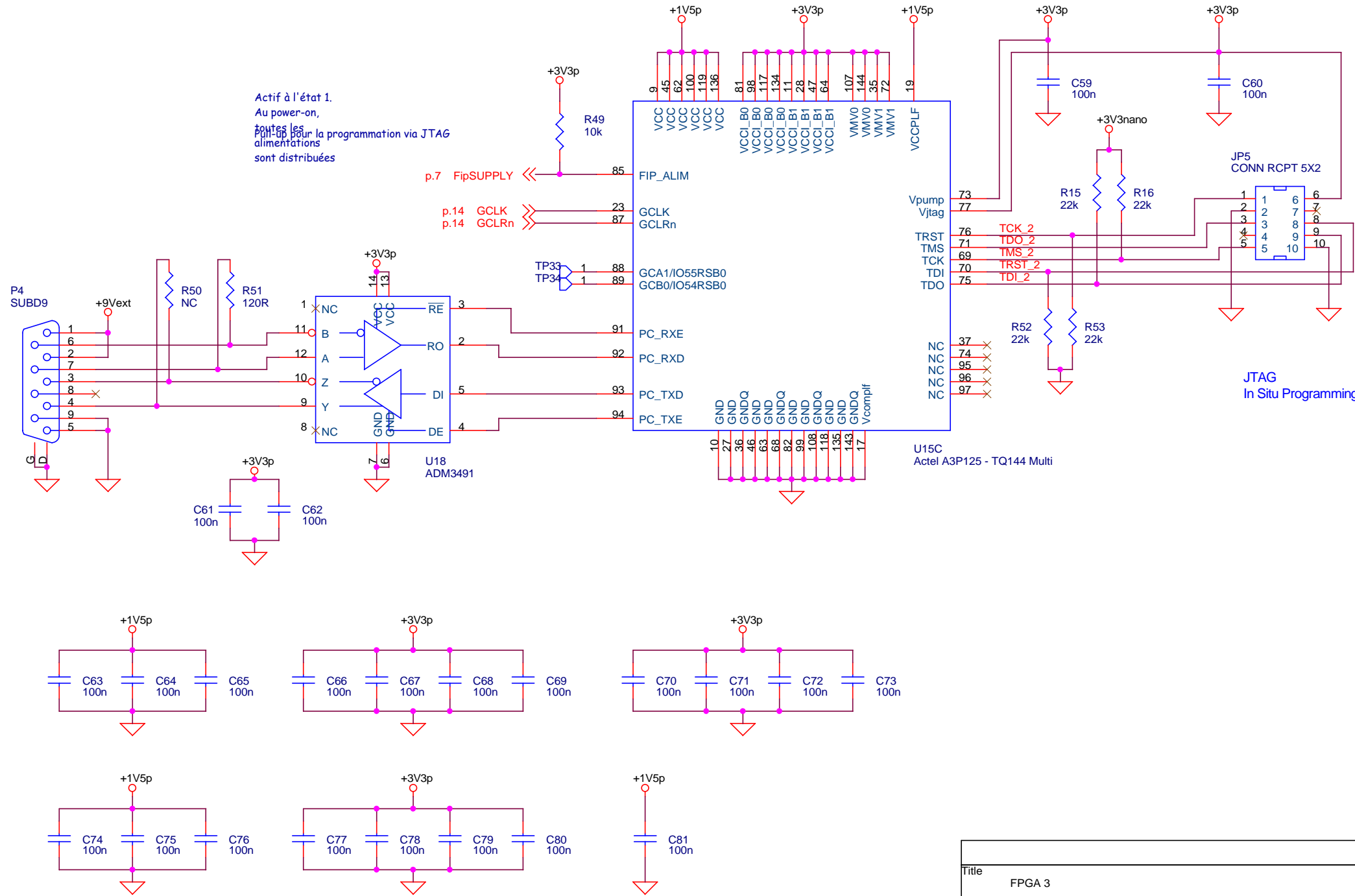
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FPGA 1		
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Le bus DIN doit être forcé à 0 si
l'alimentation 3V3nano est
coupée.

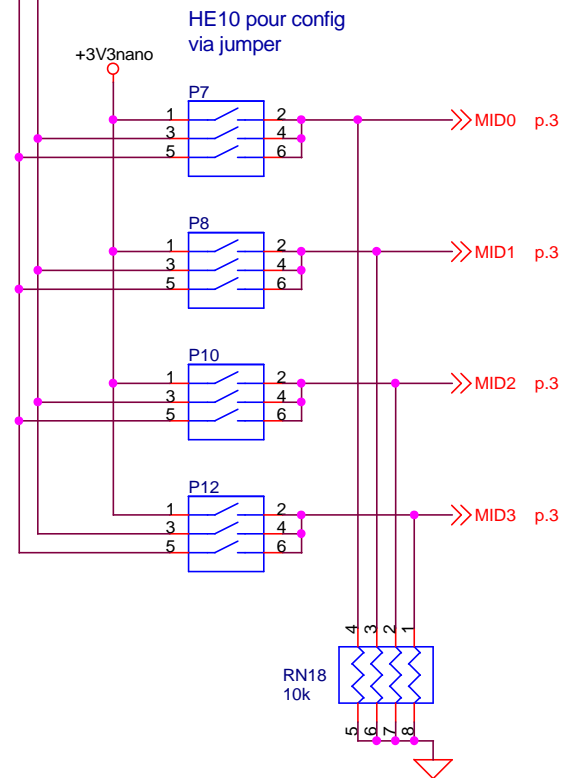
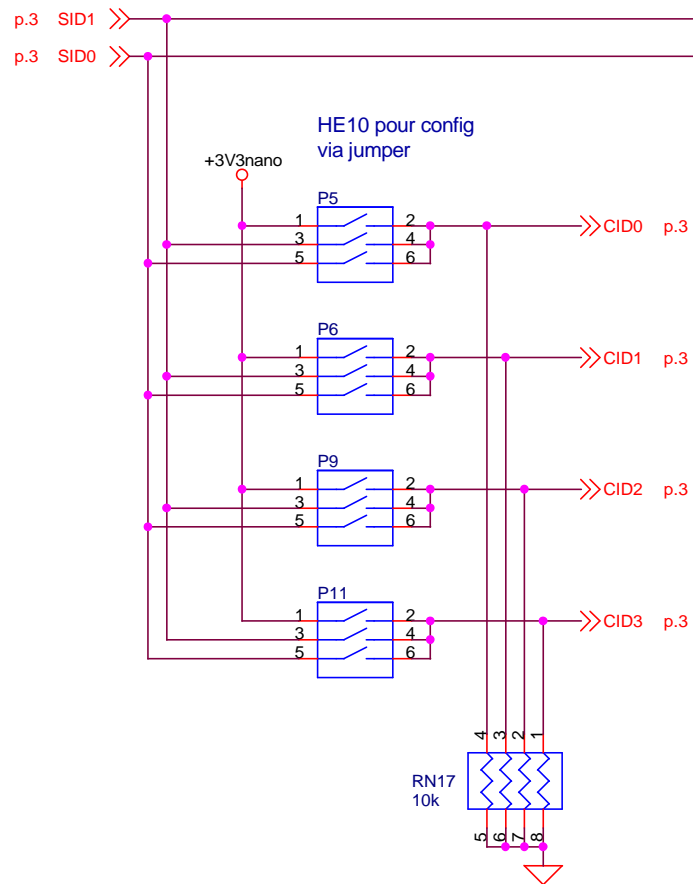
Le bus ADR doit être forcé à 0 si
l'alimentation 3V3nano est coupée.



Actif à l'état 1.
Au power-on,
toutes les
pull-up pour la programmation via JTAG
alimentations
sont distribuées

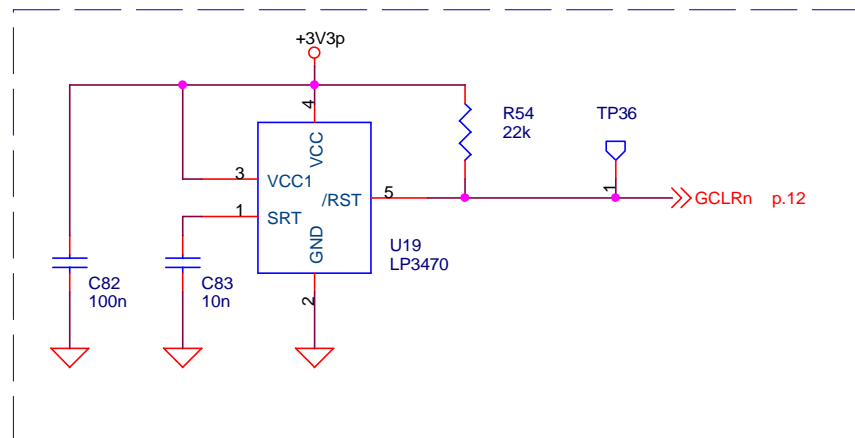


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FPGA 3		
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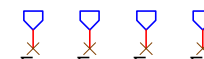


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Configuration		
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RESET

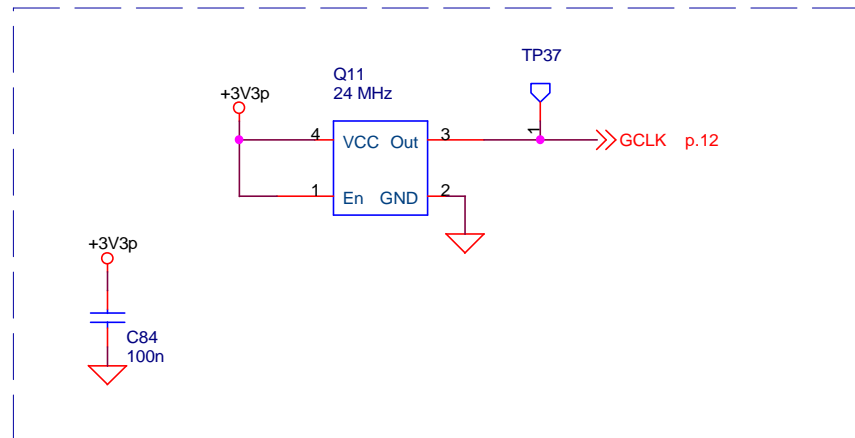


FIX1 FIX2 FIX3 FIX4

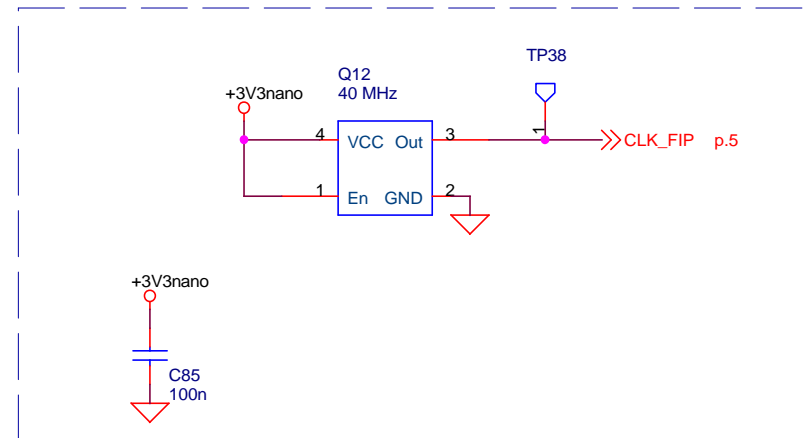


Percages de fixation

Horloge FPGA



Horloge NanoFip (40 MHz)



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Divers		
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