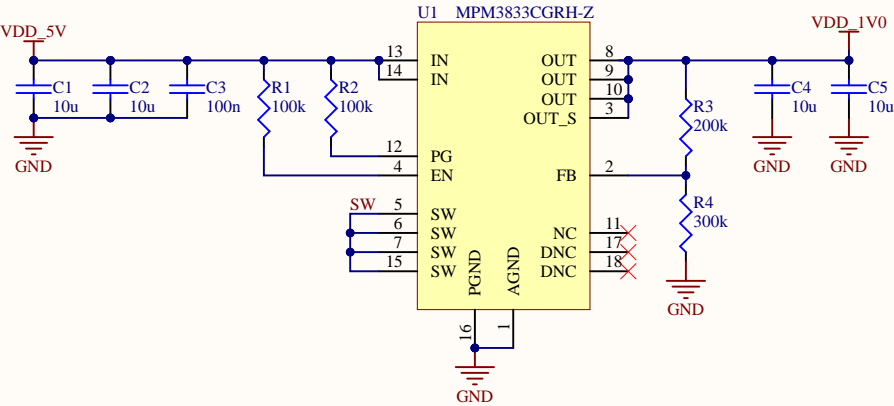
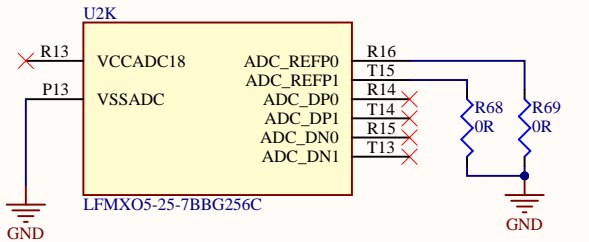


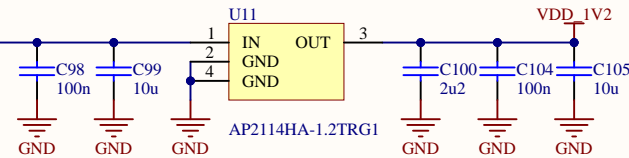
FPGA +1.0V@3A



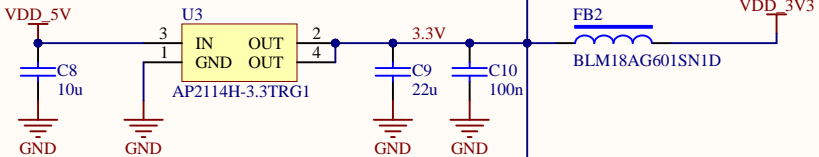
Internal ADC



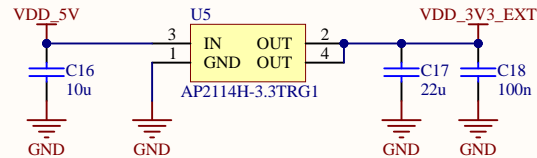
FPGA +1.2V @1A



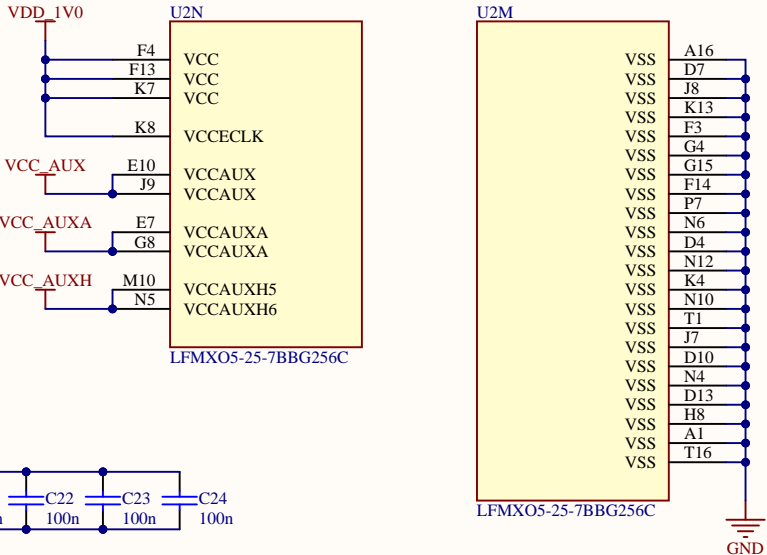
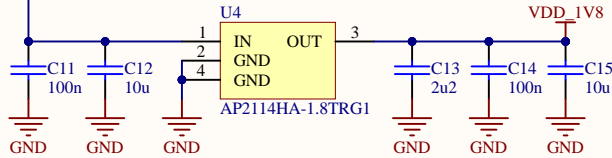
FPGA +3.3V@1A



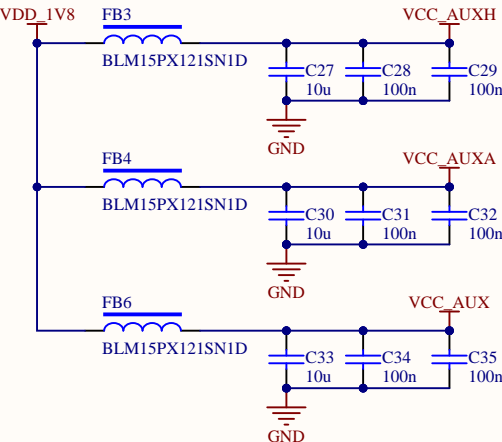
Expansion Connectors +3.3V @1A



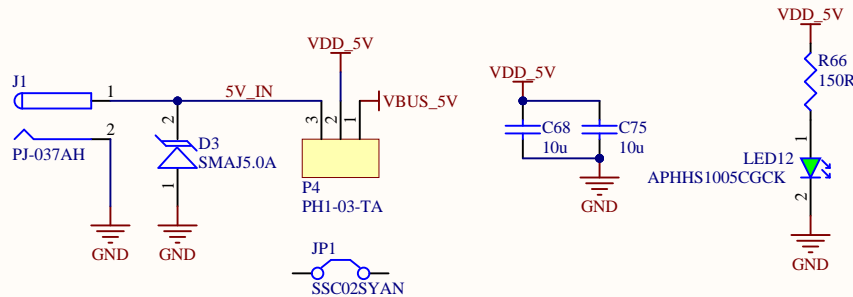
FPGA +1.8V @1A



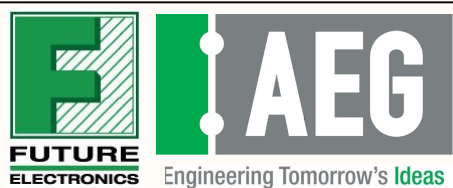
Vcc Aux



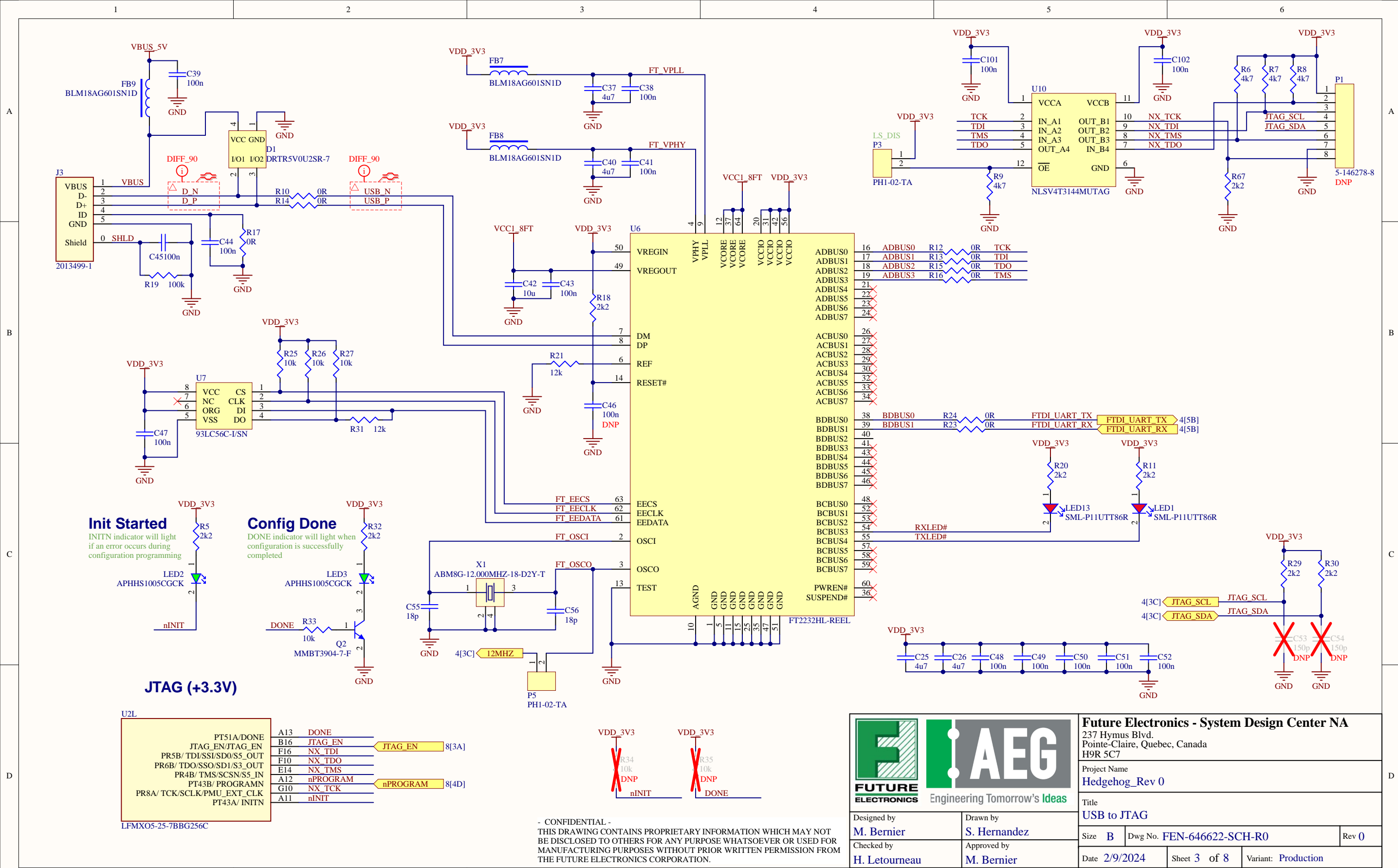
External 5V Adaptor (Power Input Selection)



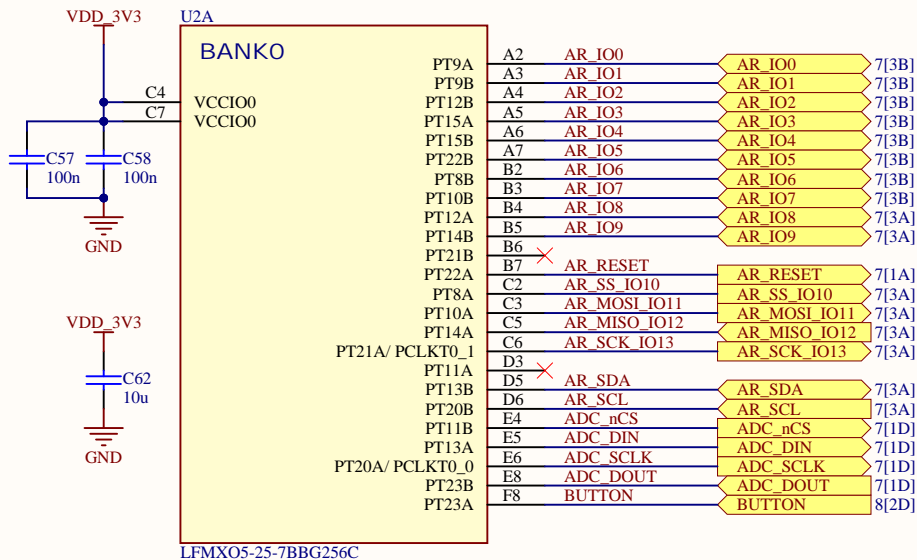
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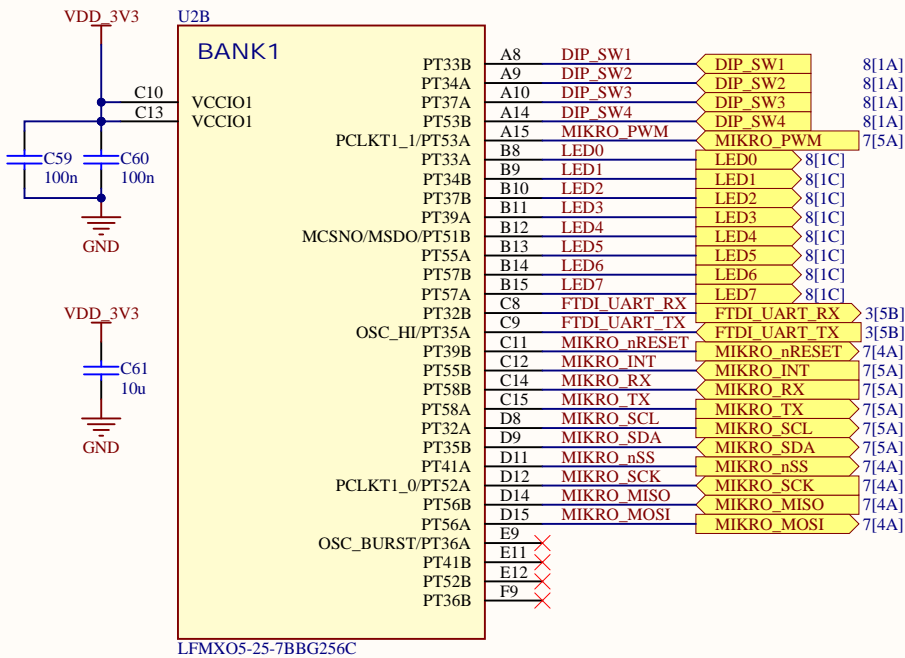
Future Electronics - System Design Center NA 237 Hymus Blvd. Pointe-Claire, Quebec, Canada H9R 5C7			
Project Name Hedgehog_Rev 0			
Title Power			
Designed by M. Bernier	Drawn by S. Hernandez		
Checked by H. Letourneau	Approved by M. Bernier		
Size B	Dwg No. FEN-646622-SCH-R0	Rev 0	
Date 2/9/2024	Sheet 2 of 8	Variant: Production	



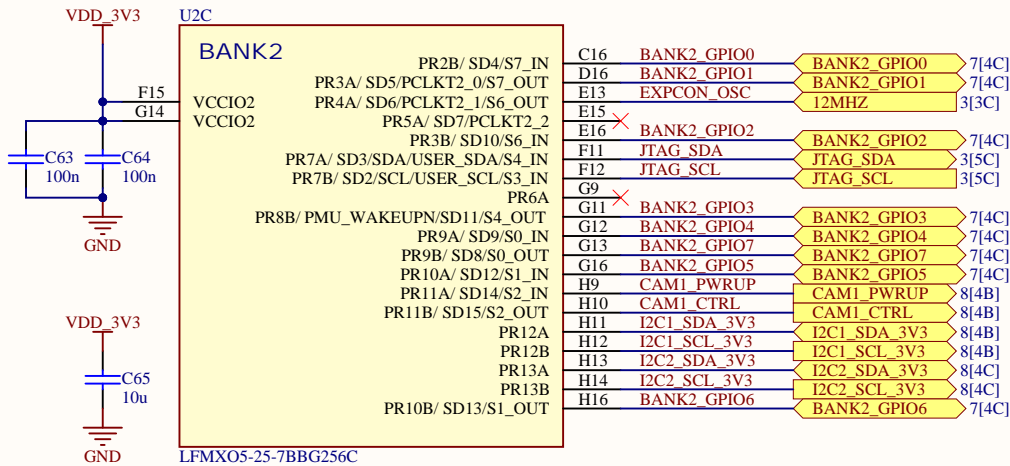
Bank 0 (+3.3V)



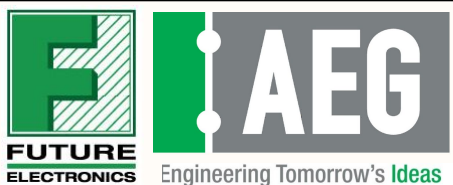
Bank 1 (+3.3V)



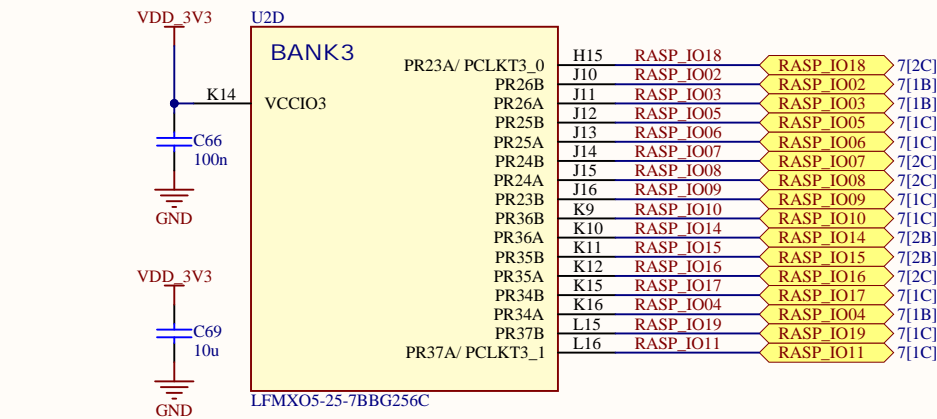
Bank 2 (+3.3V)



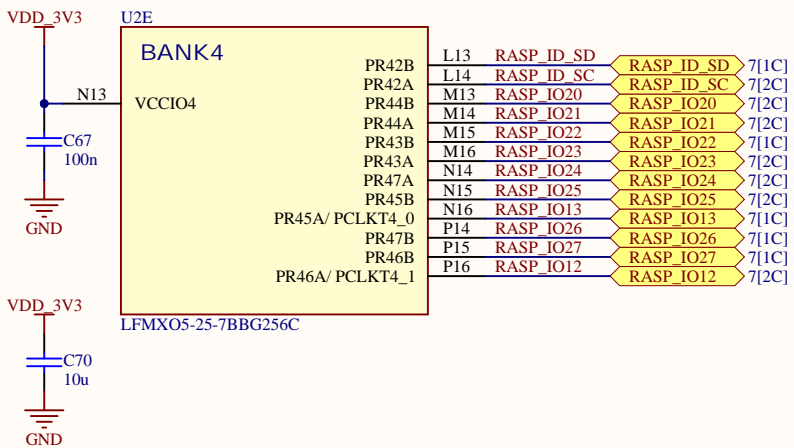
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Designed by M. Bernier		Project Name Hedgehog_Rev 0	
Checked by H. Letourneau		Title Bank 0 - Bank 2	
Drawn by S. Hernandez		Size B Dwg No. FEN-646622-SCH-R0 Rev 0	
Approved by M. Bernier		Date 2/9/2024 Sheet 4 of 8 Variant: Production	

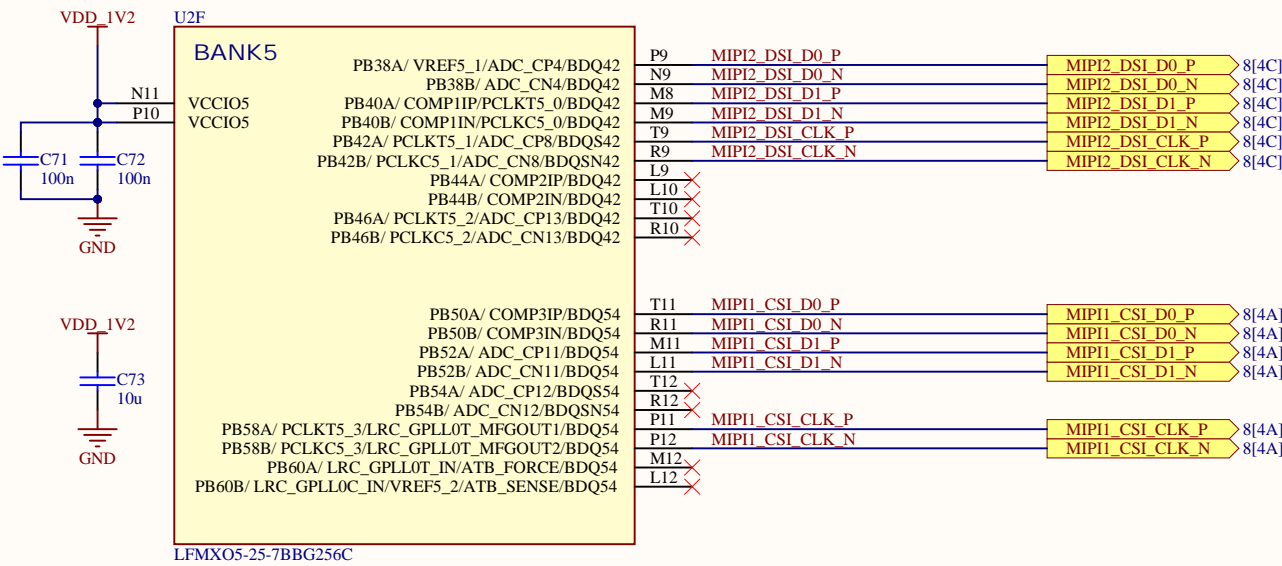
Bank 3 (+3.3V)



Bank 4 (+3.3V)



Bank 5 (+1.2V)



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H9R 5C7

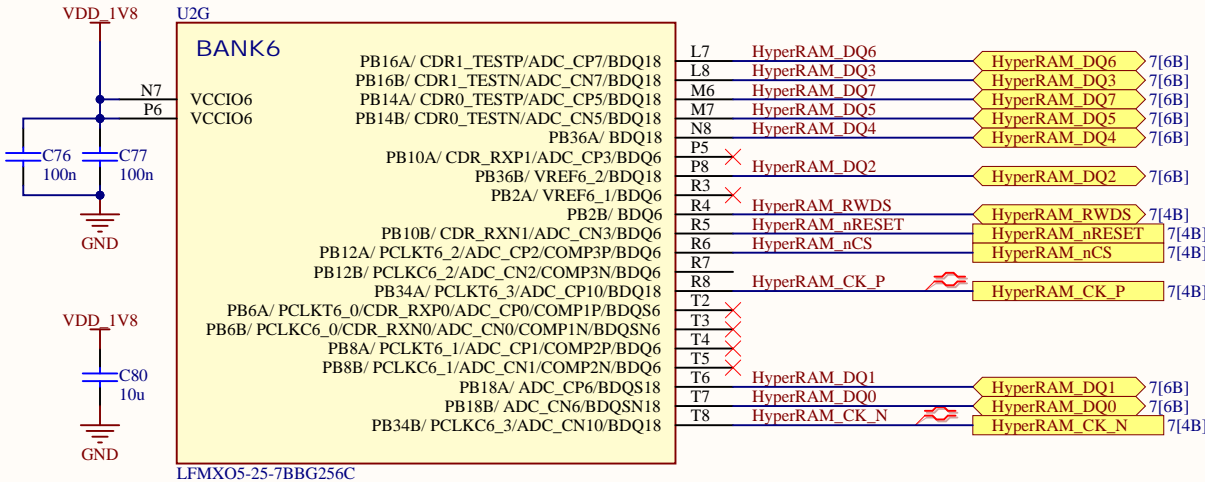
Project Name
Hedgehog_Rev 0

Title
Bank 3 - Bank 5

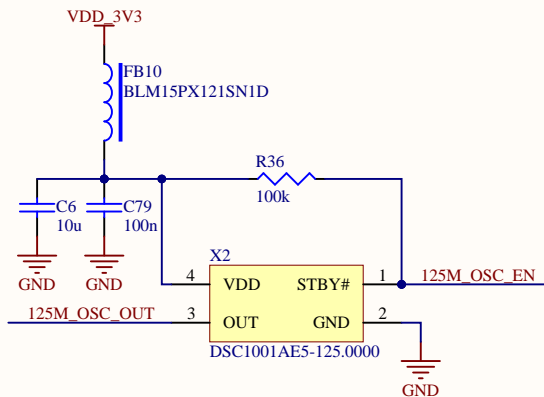
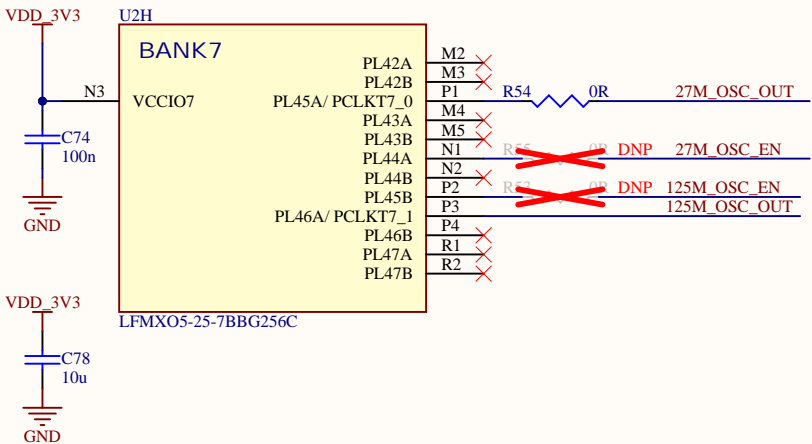
Size	B	Dwg No.	FEN-646622-SCH-R0	Rev	0
Date	2/9/2024	Sheet	5 of 8	Variant:	Production

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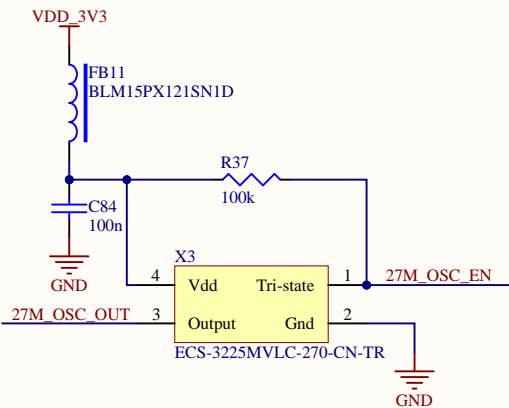
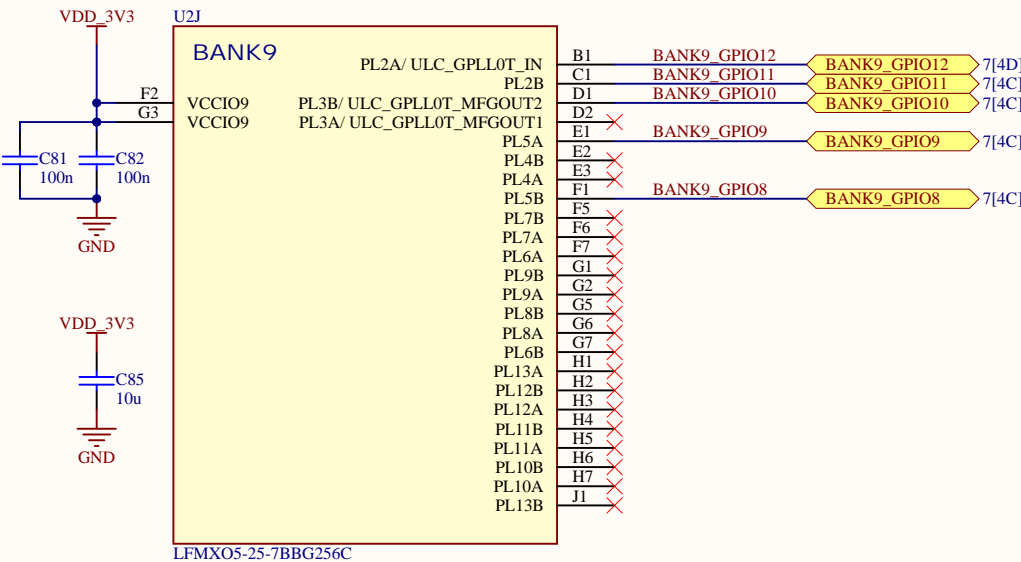
Bank 6 (+1.8V)



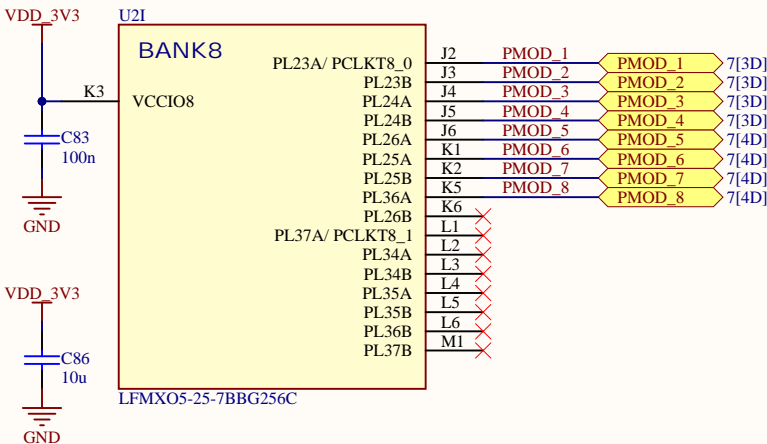
Bank 7 (+3.3V)



Bank 9 (+3.3V)



Bank 8 (+3.3V)



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Pointe-Claire, Quebec, Canada
H9R 5C7

Project Name
Hedgehog_Rev 0

Title
Bank 6 - Bank 9

Size **B** Dwg No. **FEN-646622-SCH-R0** Rev **0**

Date **1/24/2024** Sheet **6** of **8** Variant: **Production**

Designed by
M. Bernier

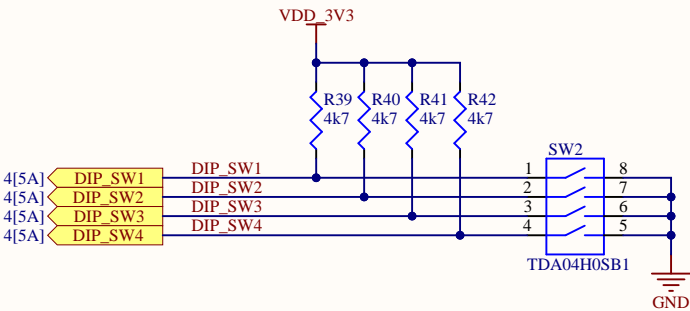
Checked by
H. Letourneau

Drawn by
S. Hernandez

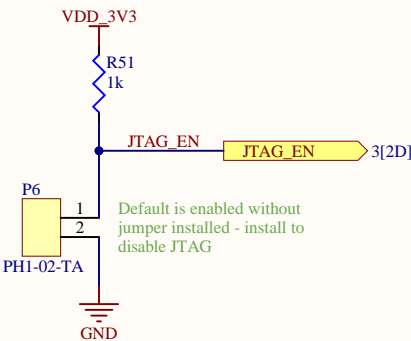
Approved by
M. Bernier

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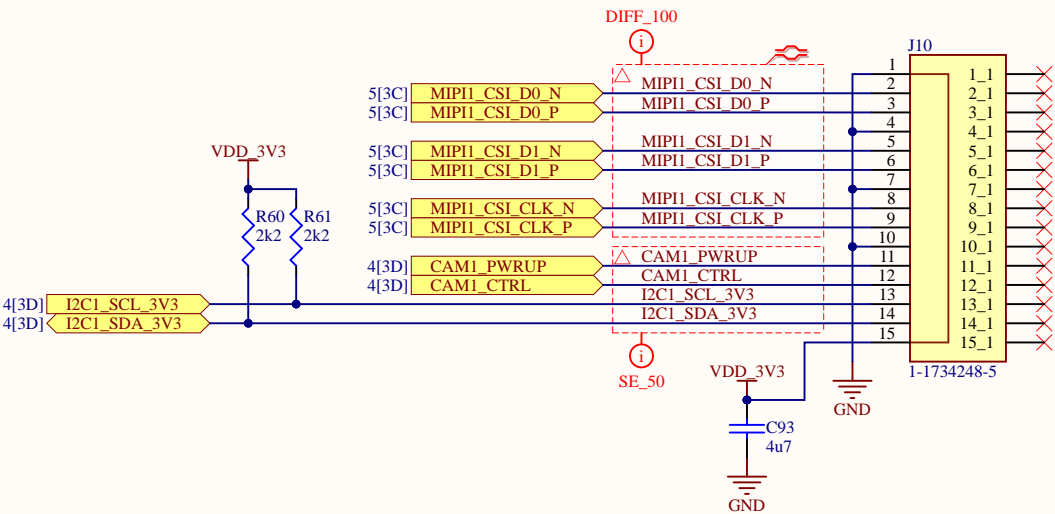
DIP Switches



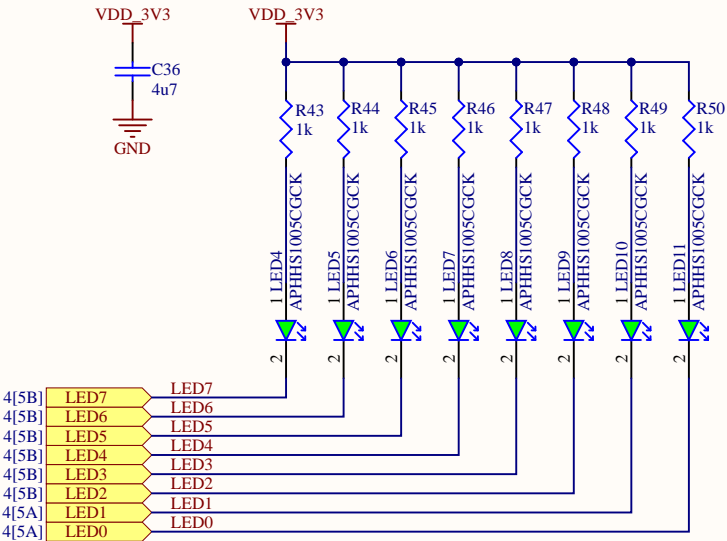
JTAG Enable



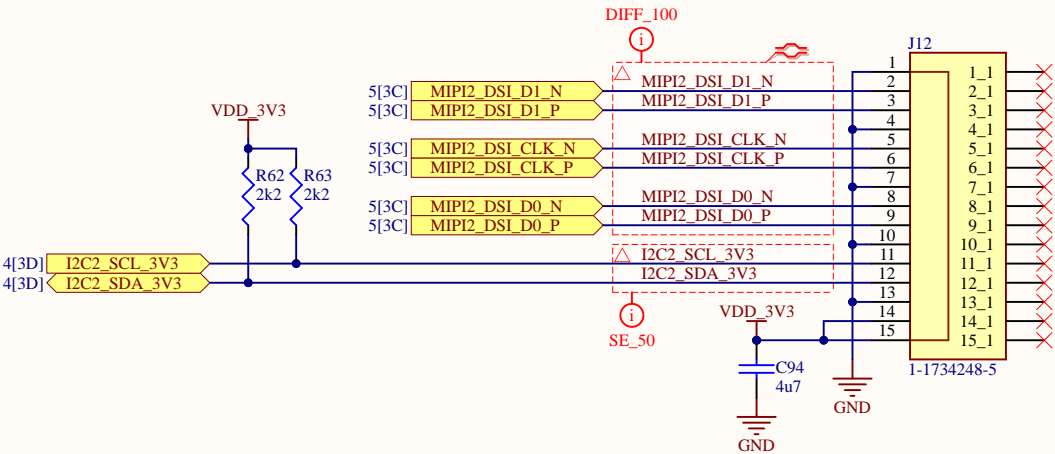
Camera Interface



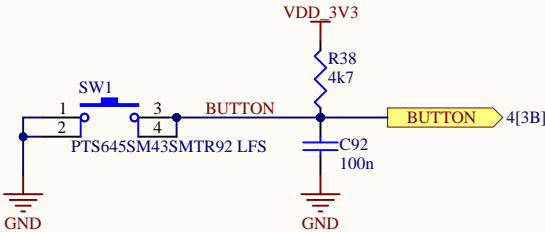
8 x LEDs



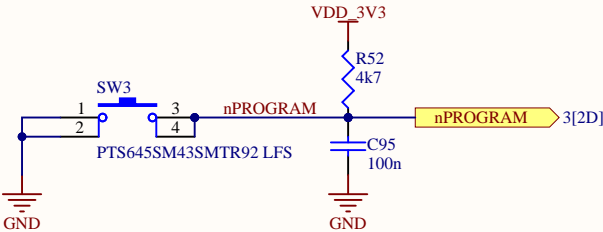
Display MIPI Interface



User Button



Program



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Designed by M. Bernier		Drawn by S. Hernandez	
Checked by H. Letourneau		Approved by M. Bernier	
Date 10/5/2023		Sheet 8 of 8	
Variant: Production		Rev 0	