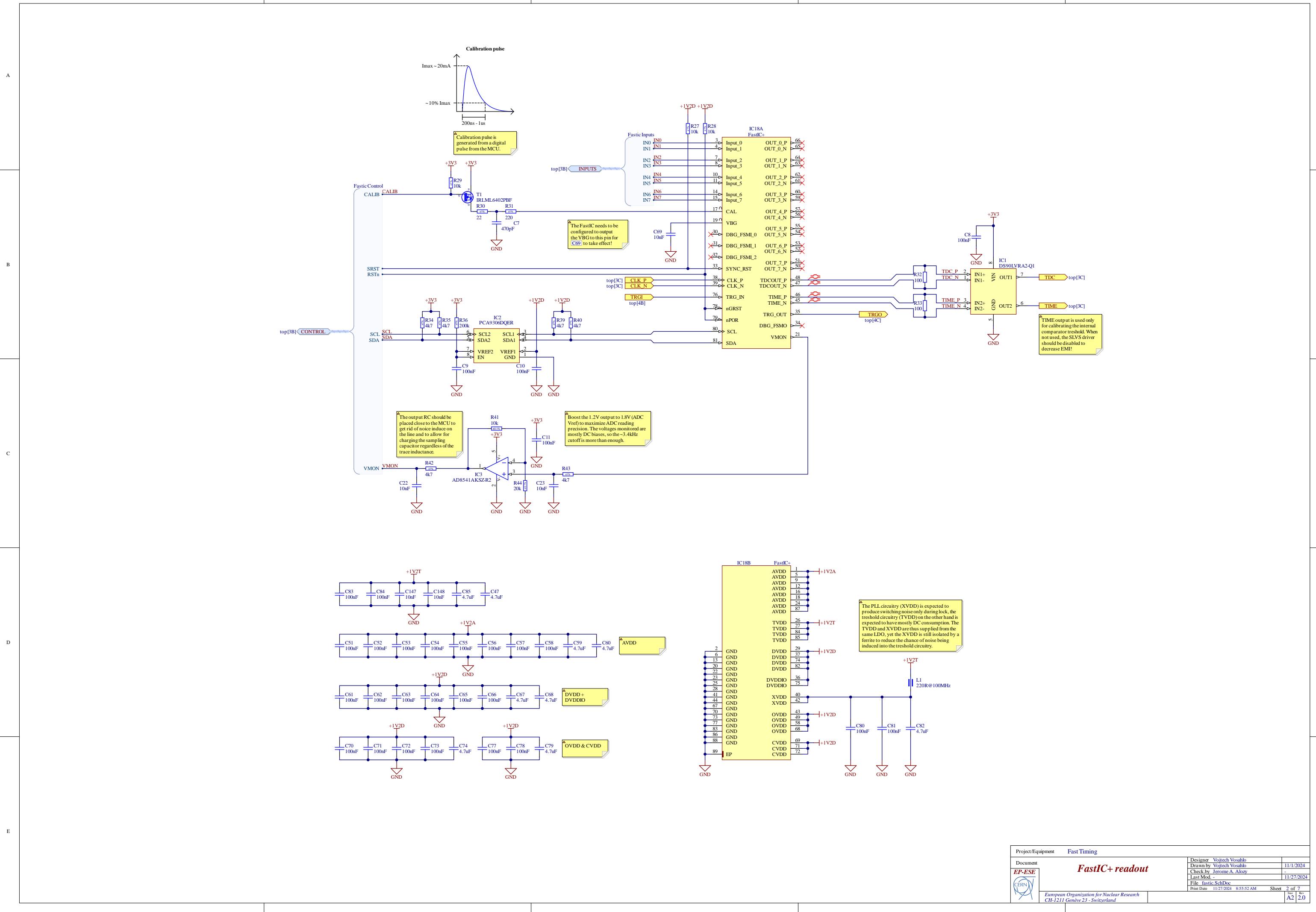
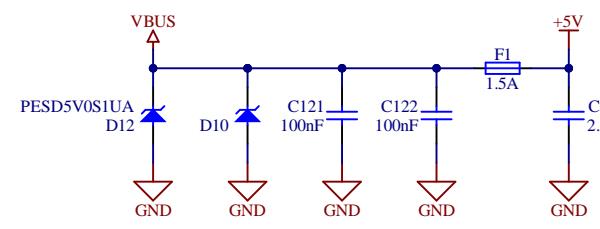


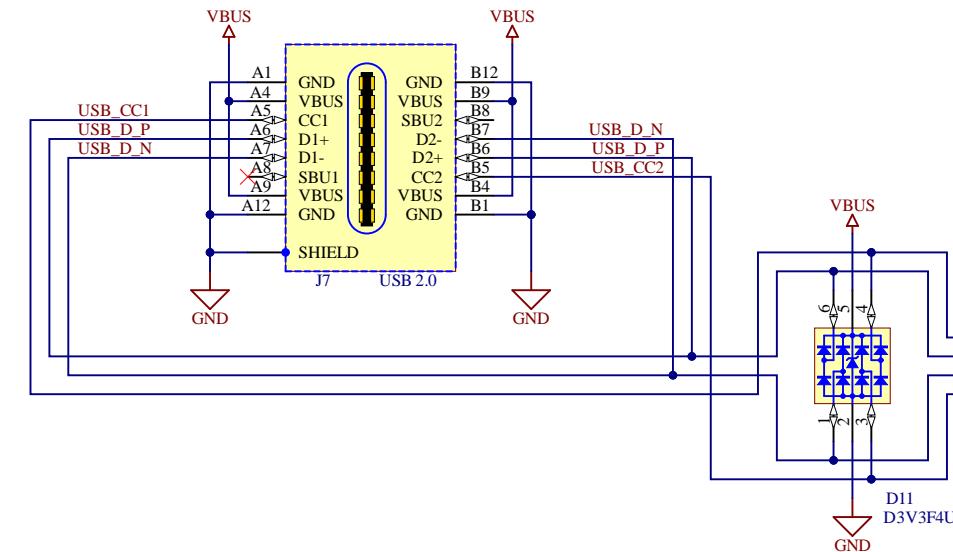
Project/Equipment	Fast Timing		
Document		Designer	Vojtěch Vosálek
<b>EP-ESE</b>	<b>FastIC+readout</b>	Drawn by	Vojtěch Vosálek
		Check by	Jérôme A. Alozy
		Last Mod.	11/27/2024
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			A2
			2.0
European Organization for Nuclear Research			
Geneva, Switzerland			



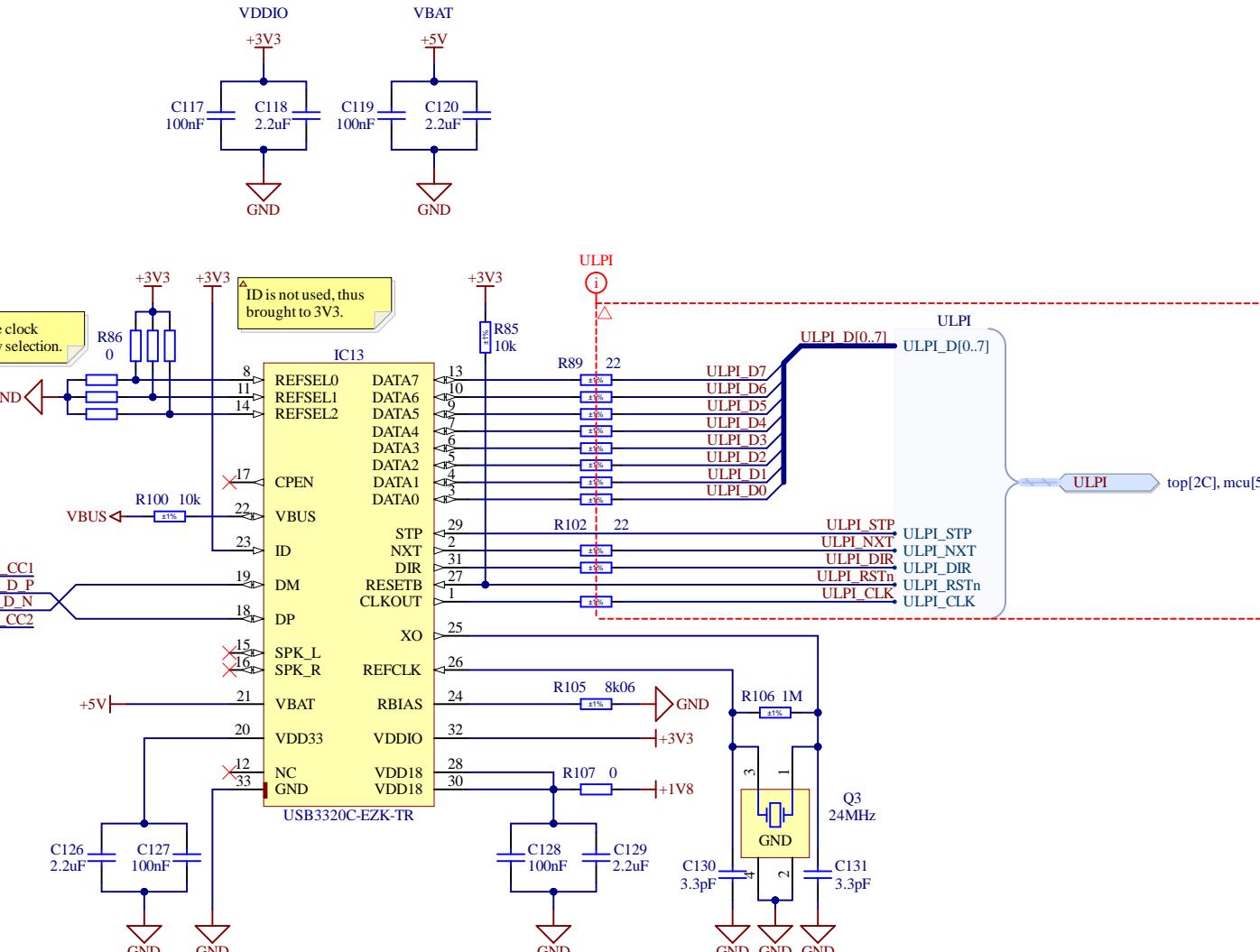
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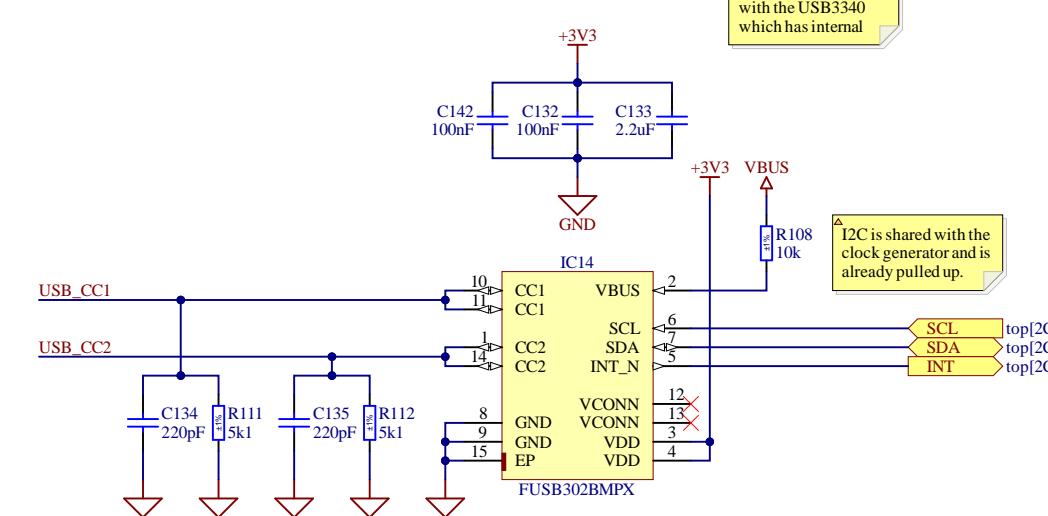
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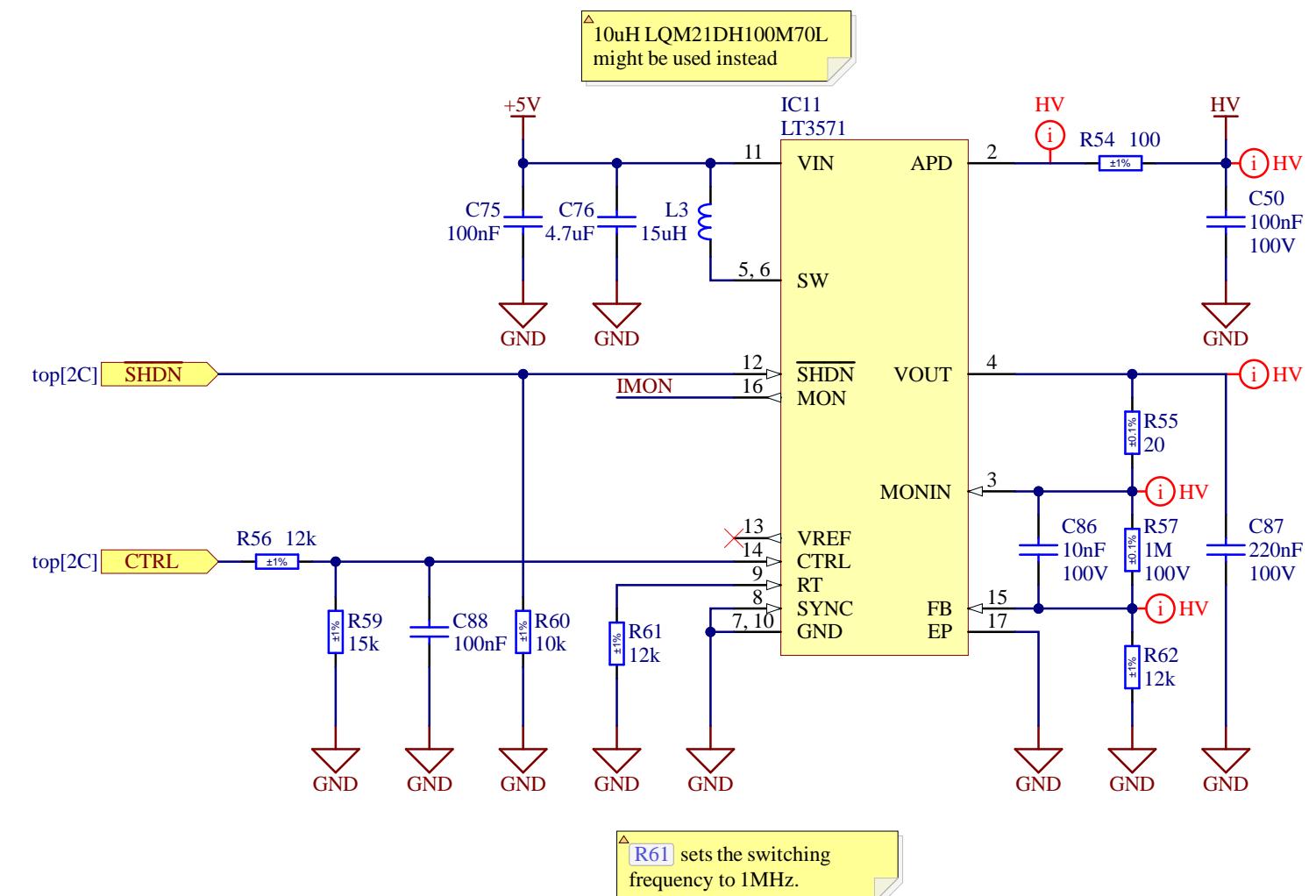
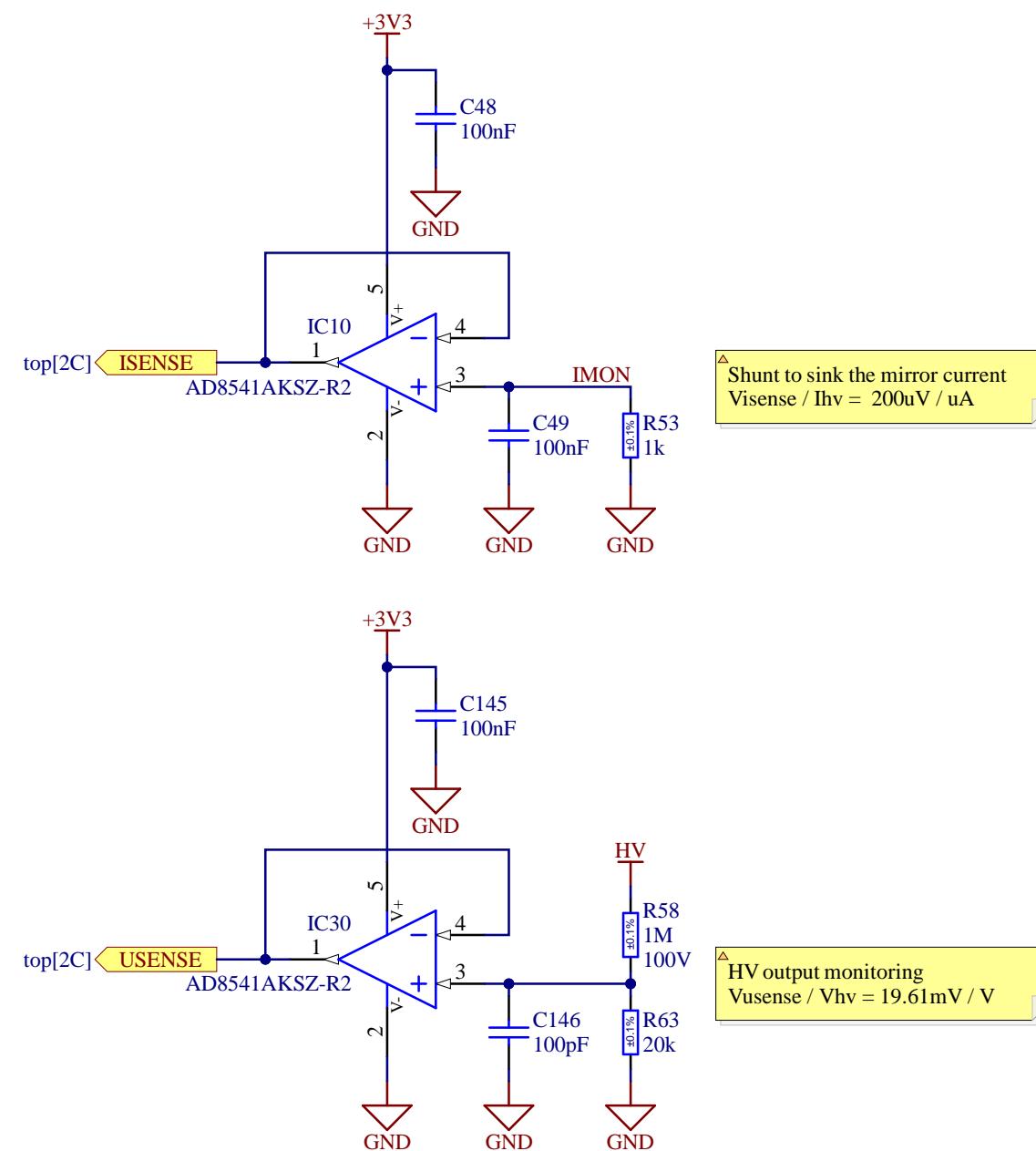
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Project/Equipment		FastIC+ readout	
Document		FastIC+ readout	
EP-ESE	CERN	Designer	Vojtech Vosahlo
		Drawn by	Vojtech Vosahlo
		Check by	Jerome A. Alozy
		Last Mod.	11/27/2024
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		Size	A3
		Rev	2.0

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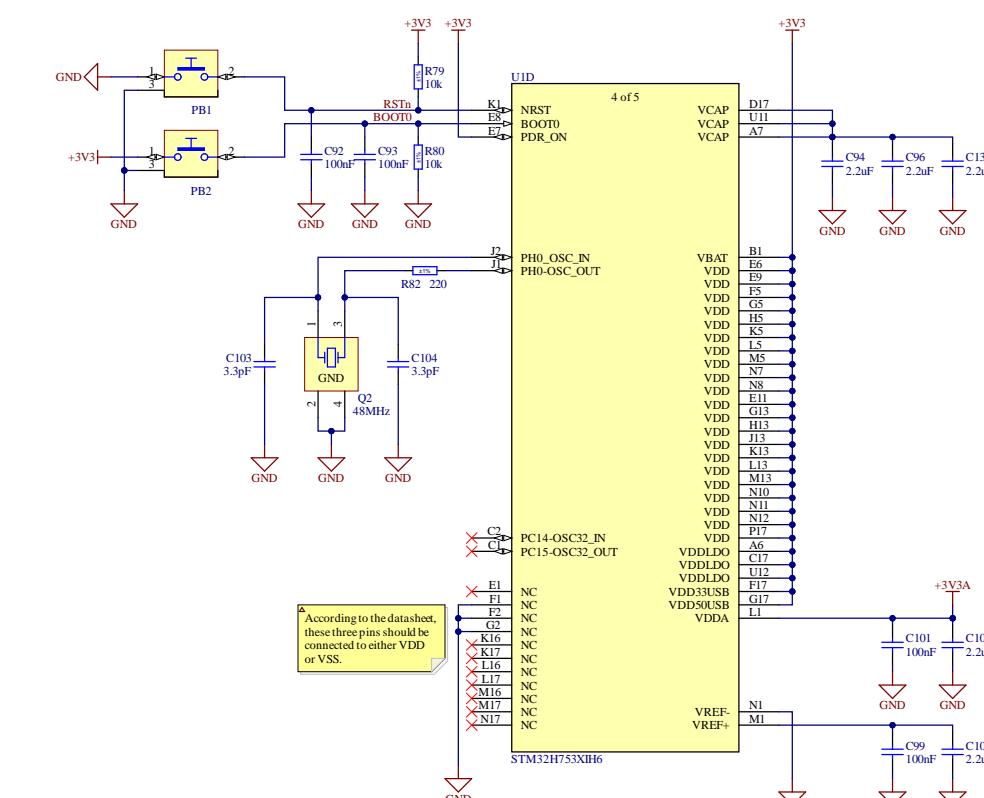
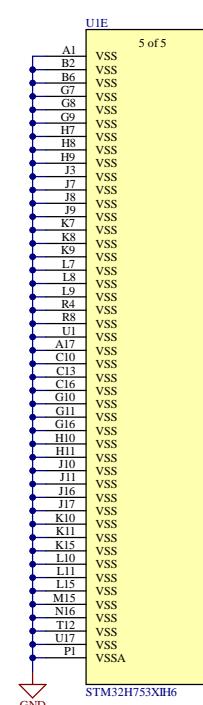
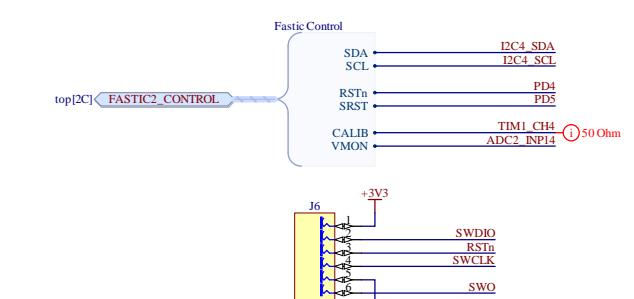
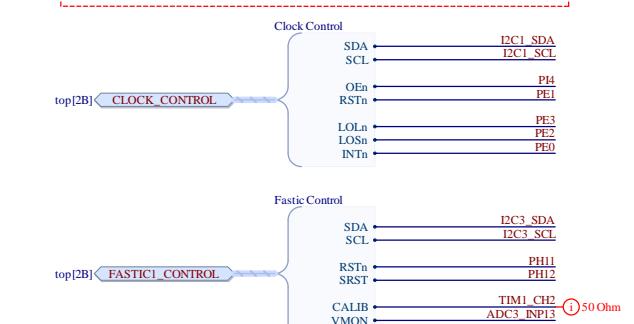
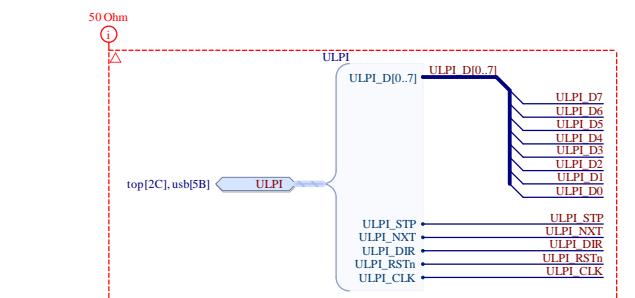
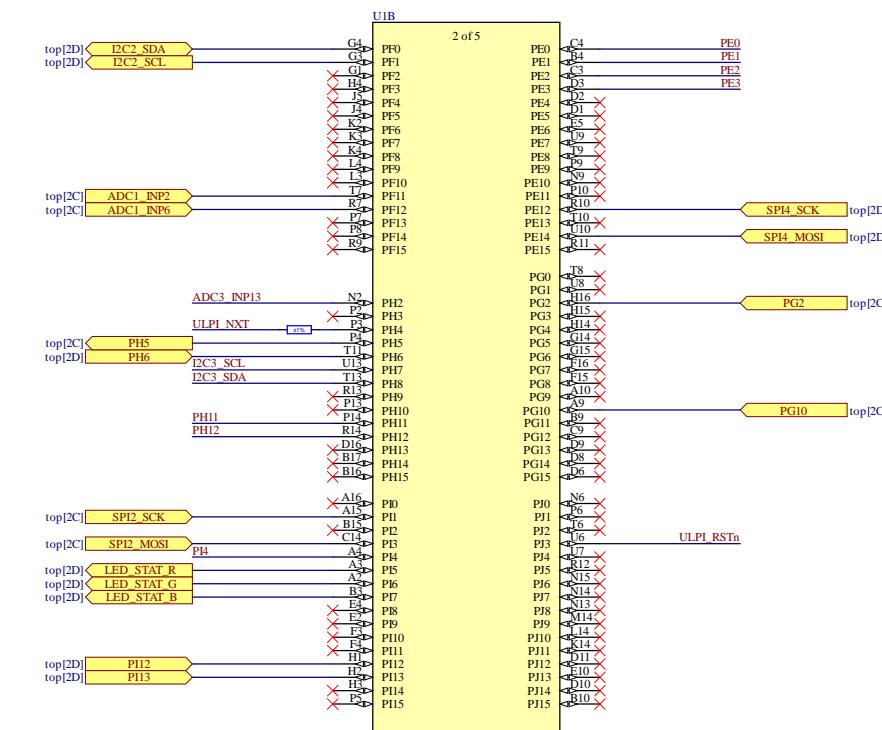
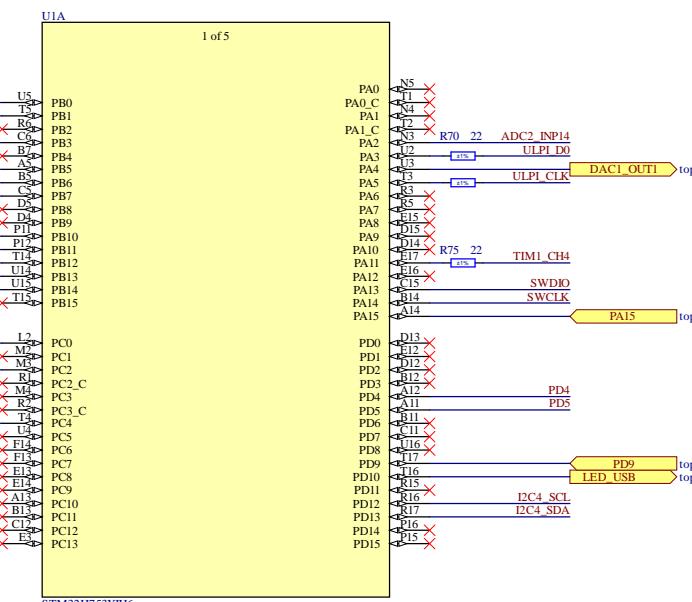
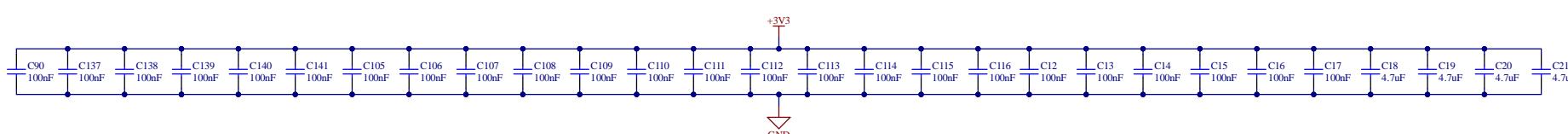
Fast Timing

Document

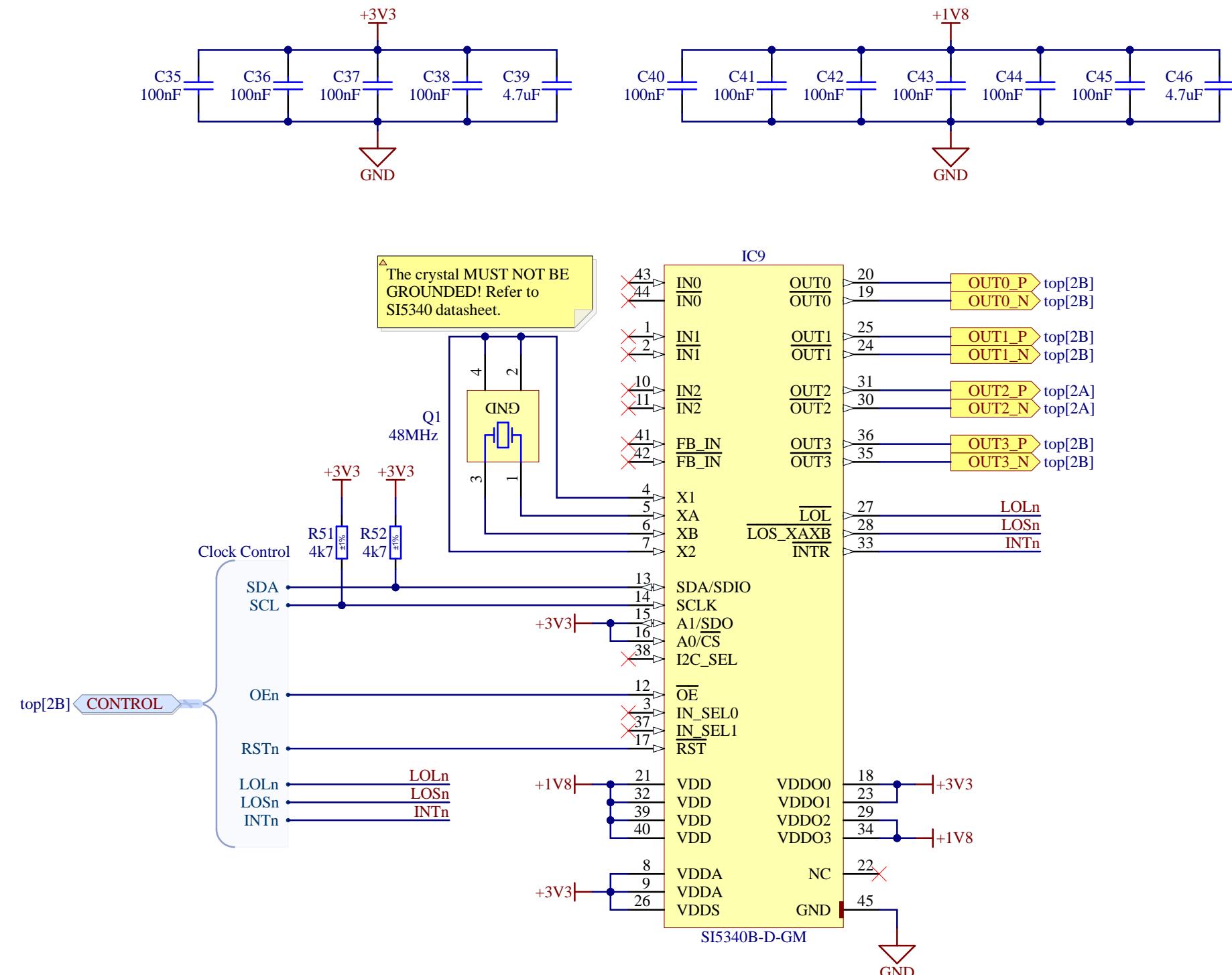
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**FastIC+ readout**

Designer	Vojtech Vosahlo	
Drawn by	Vojtech Vosahlo	11/1/2024
Check by	Jerome A. Alozy	
Last Mod.	11/15/2024	
File	hv.SchDoc	
Print Date	11/27/2024 8:55:52 AM	Sheet 4 of 7
Size	A4	Rev 2.0



Project/Equipment	Fast Timing
Document	Designer: Vojtech Vosahlo Drawn by: Vojtech Vosahlo Check by: Jerome A. Alozy Last Mod: 11/15/2024 File: mnu.SchDoc Print Date: 11/27/2024 8:55:52 AM
EP-ESE	FastIC+readout
CERN	Sheet 5 of 7
European Organization for Nuclear Research CH-1211 Genève 23 - Switzerland	Page 2 Rev A2



Project/Equipment	Fast Timing	Designer	Vojtech Vosahlo
Document		Drawn by	Vojtech Vosahlo
EP- ESE	<i>FastIC+ readout</i>	Check by	Jerome A. Alozy
		Last Mod.	11/15/2024
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		Sheet	6 of 7
		Size	A4
		Rev	2.0

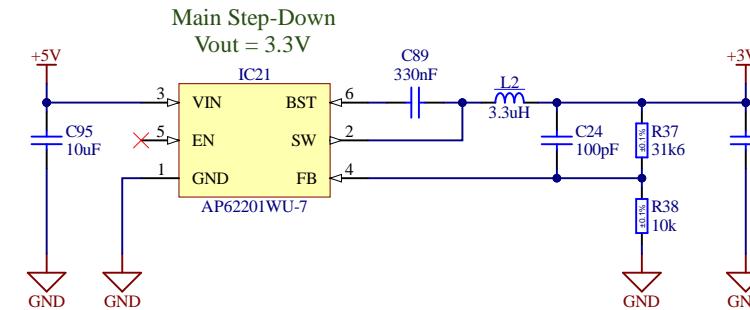
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**Power Consumption (Absolute Maximum)**  
 Pmax(FastICs)=230mW  
 Pmax(Clock)=860mW  
 Pmax(USB)=100mW  
 Pmax(STM32)=1000mW  
 Pmax(HV)=160mW  
 Pmax ~ 2.4W which should fit into the USB 2.0 current specification (2.5W).

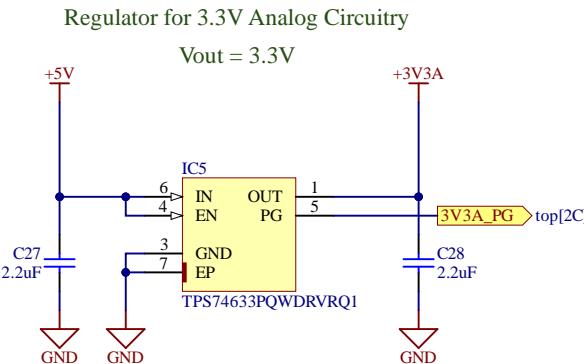
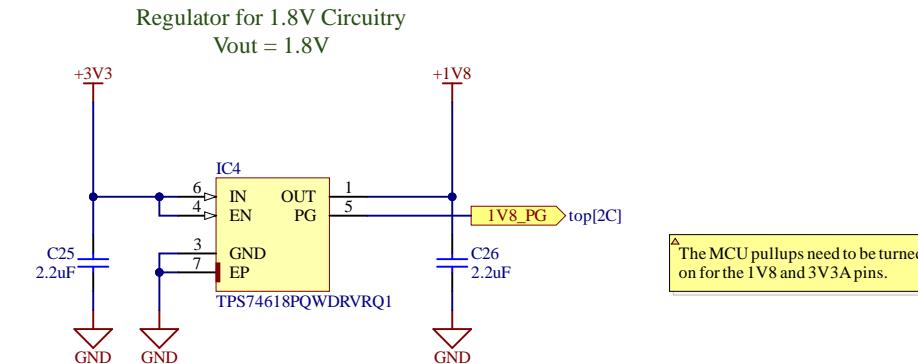
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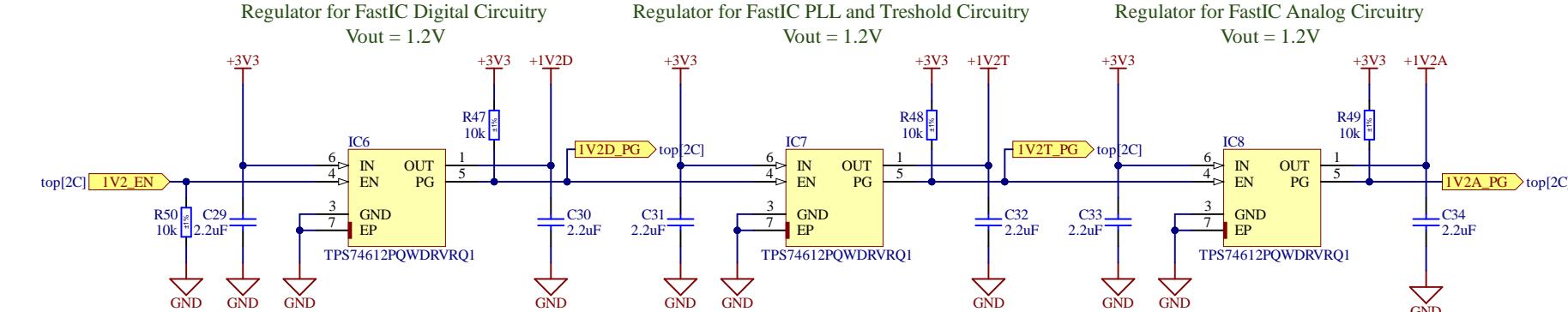
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E

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Project/Equipment		Fast Timing	
Document	EP-ESE	Designer	Vojtech Vosahlo
		Drawn by	Vojtech Vosahlo
		Check by	Jerome A. Alozy
		Last Mod.	11/27/2024
		File	power.SchDoc
		Print Date	11/27/2024 8:55:52 AM
		Sheet	7 of 7
		Size	A3
		Rev	2.0

**FastIC+ readout**

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