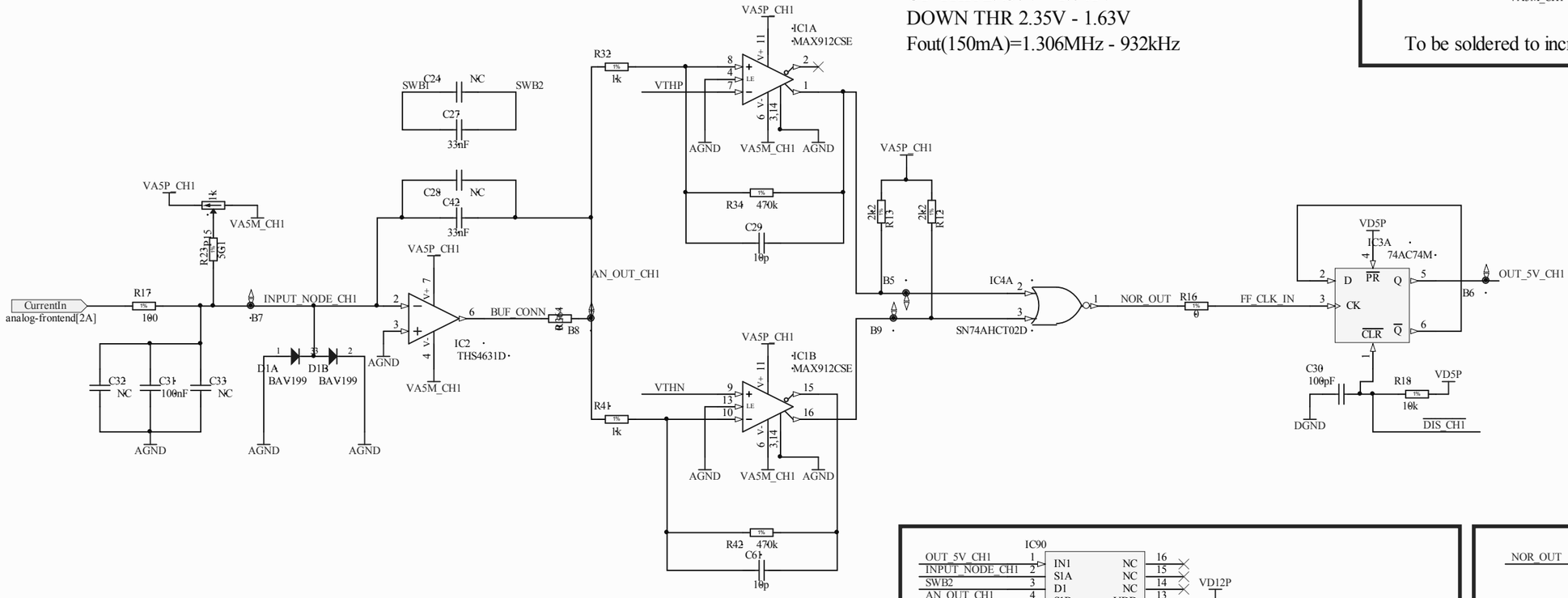

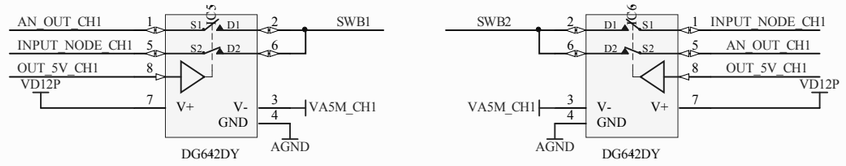

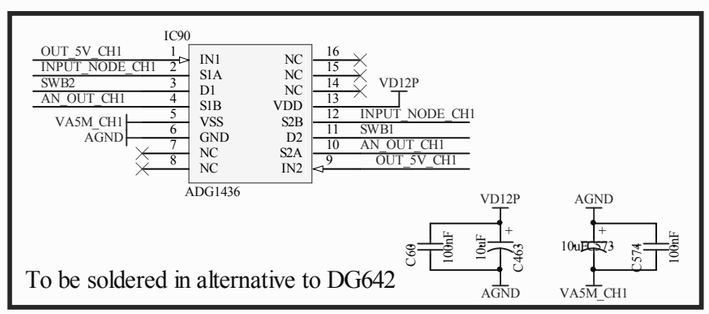

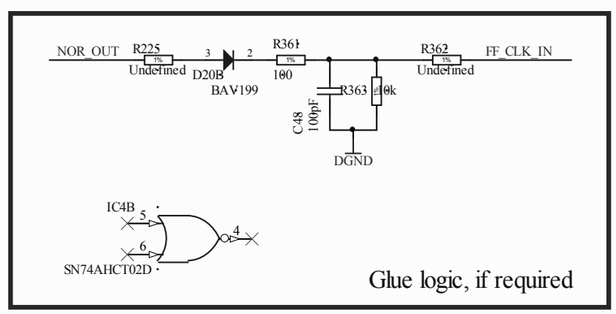

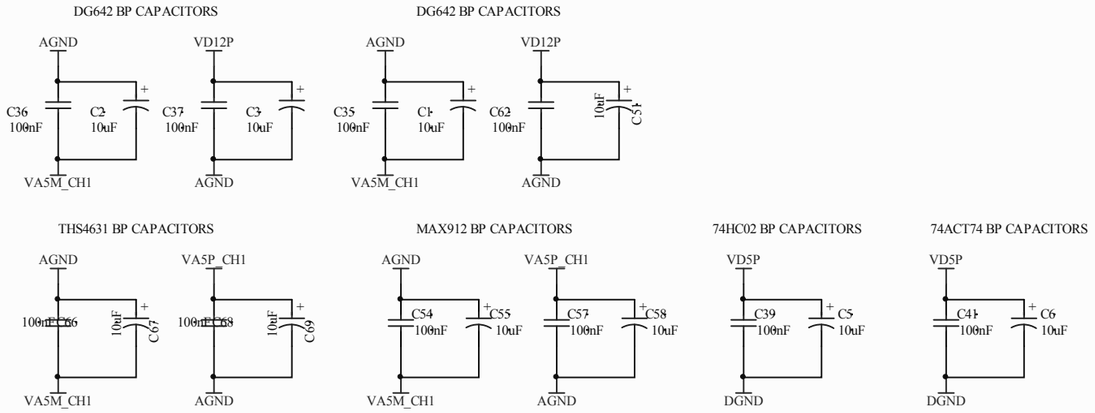

With ADG1436 the current limit is set by the OA (THS4631) and is equal to 150mA continuous

A precision adjustable voltage reference (LM385, 2%) is used to set the thresholds.

The input protection diodes can be changed or completely removed if the design targets at lower currents.

Each time one of the comparators trips, one of the capacitors is connected in the opposite direction and a charge equal to C*Vth is removed.

The output frequency is given by: fout = I/(2*C*Vth)

Projet/Equipement	-		
Document	***CFC - Test board CH1: SWCAP***	Designer Designer	
		Drawn by Giuseppe G. Venturini	XX/XX/XXXX
		Checkby -	-
		Last Mod. -	11/30/2008
		File input-ch1.SchDoc	
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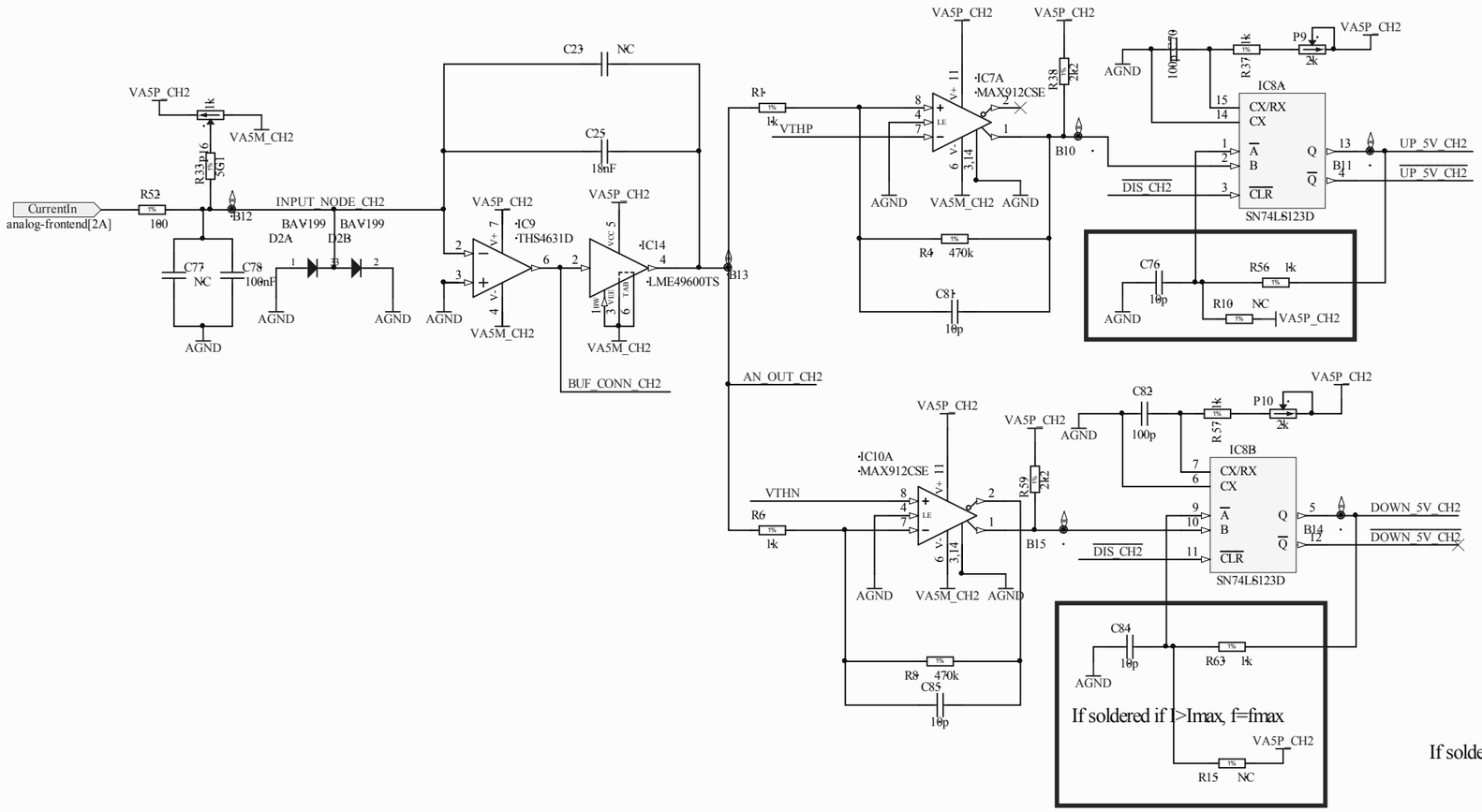

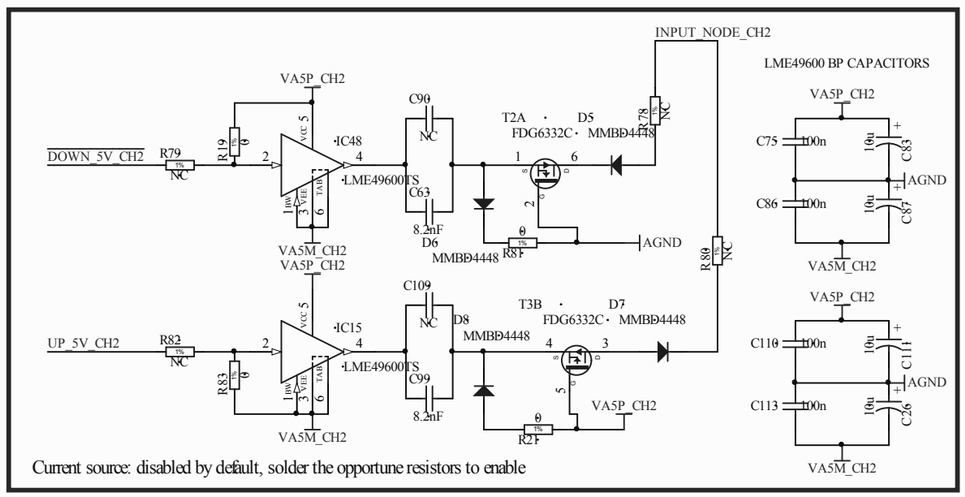

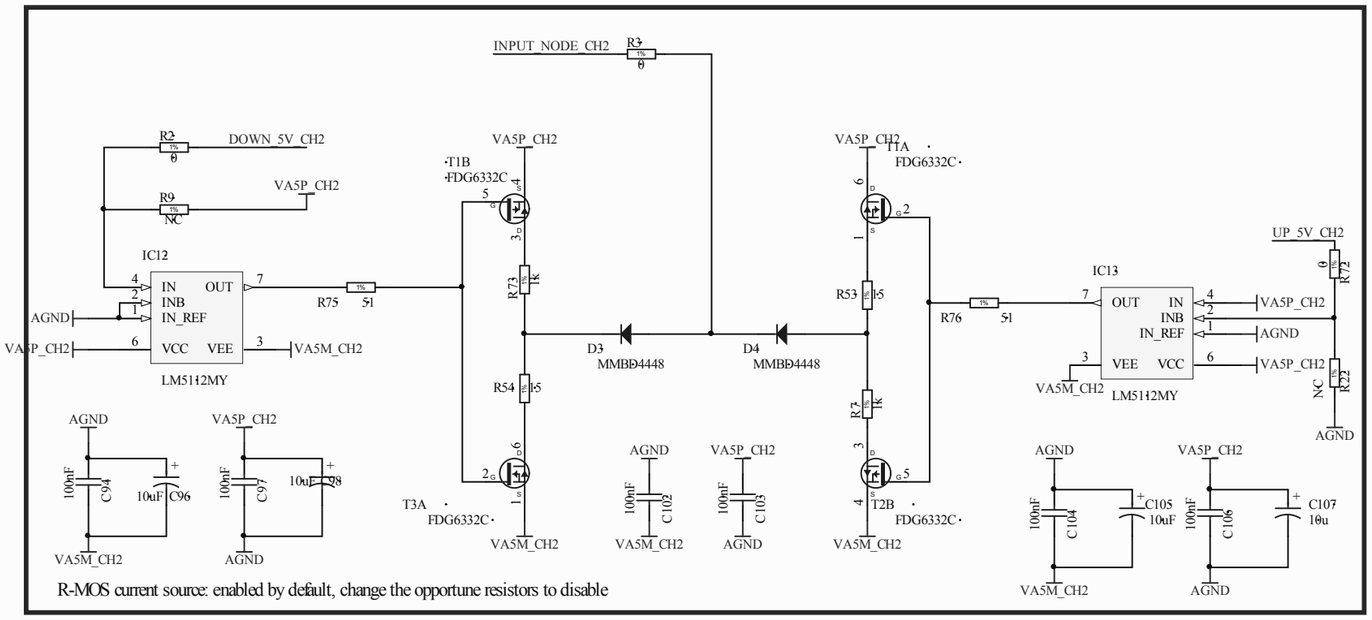

Projet/Equipement	-		
Document	*CFC - Test board* *CH2: ACB MOS/CAP*	Designer Designer	
		Drawn by Giuseppe G. Venturini	XX/XX/XXXX
		Checkby -	-
		Last Mod. -	11/30/2008
		File input-ch2.SchDoc	
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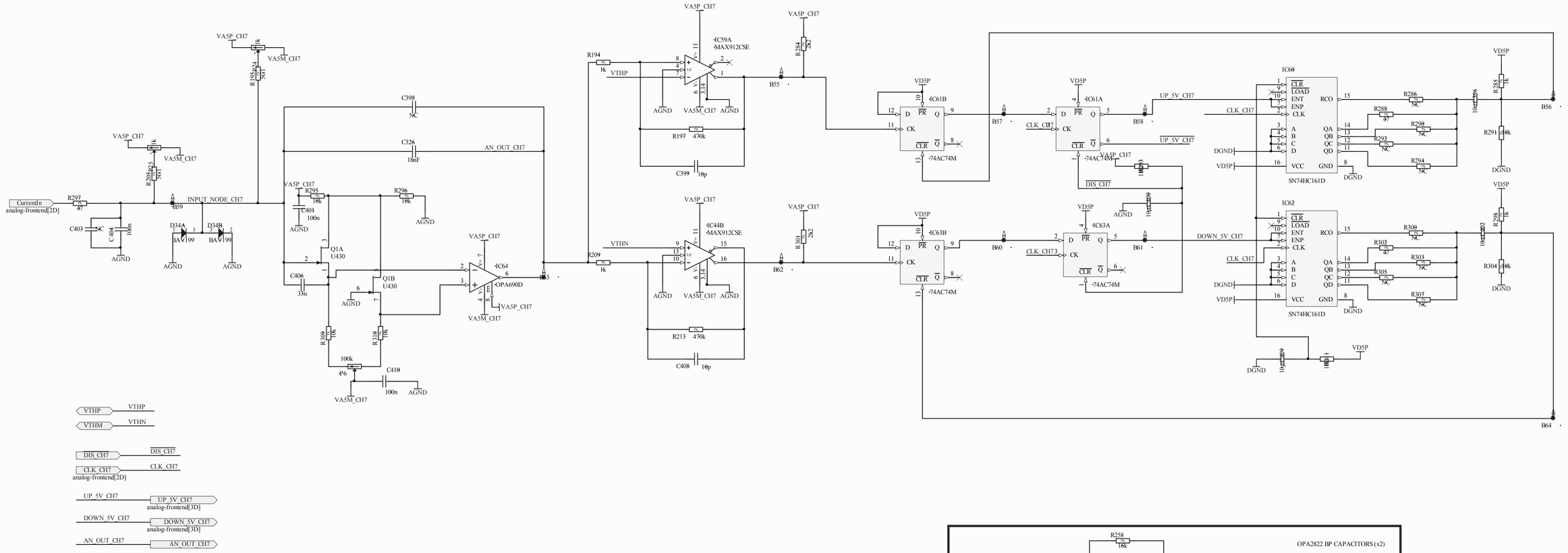
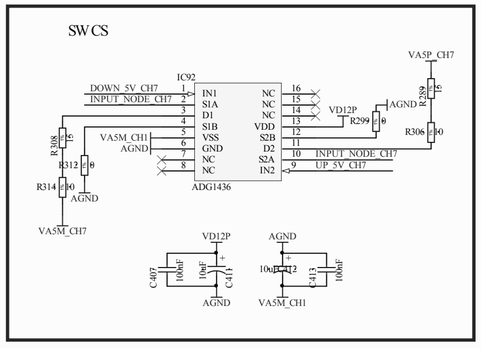
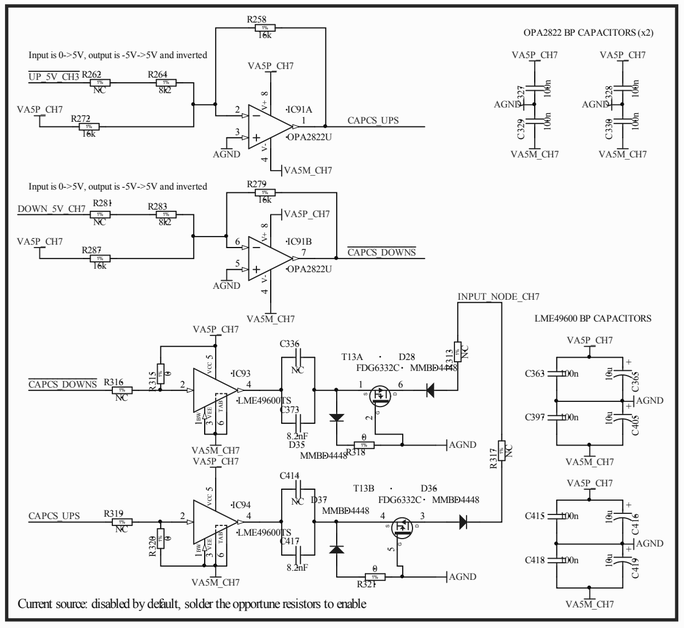
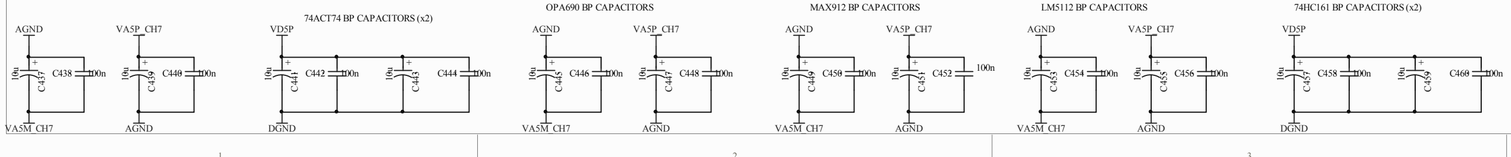
European Organization for Nuclear Research *CH-1211 Genève 23 - Switzerland*	EDA-XXXXX-VX-X	Size A3	Rev 1









Projet/Equipement	-
Document	CFC - Test board CH7: SCB IN-BUF MOS/CAP
Designer	Designer
Drawn by	Giuseppe G. Venturini
Checkby	-
Last Mod.	11/30/2008
File	input-ch7.SchDoc
Print Date	12/1/2008 10:47:54 AM
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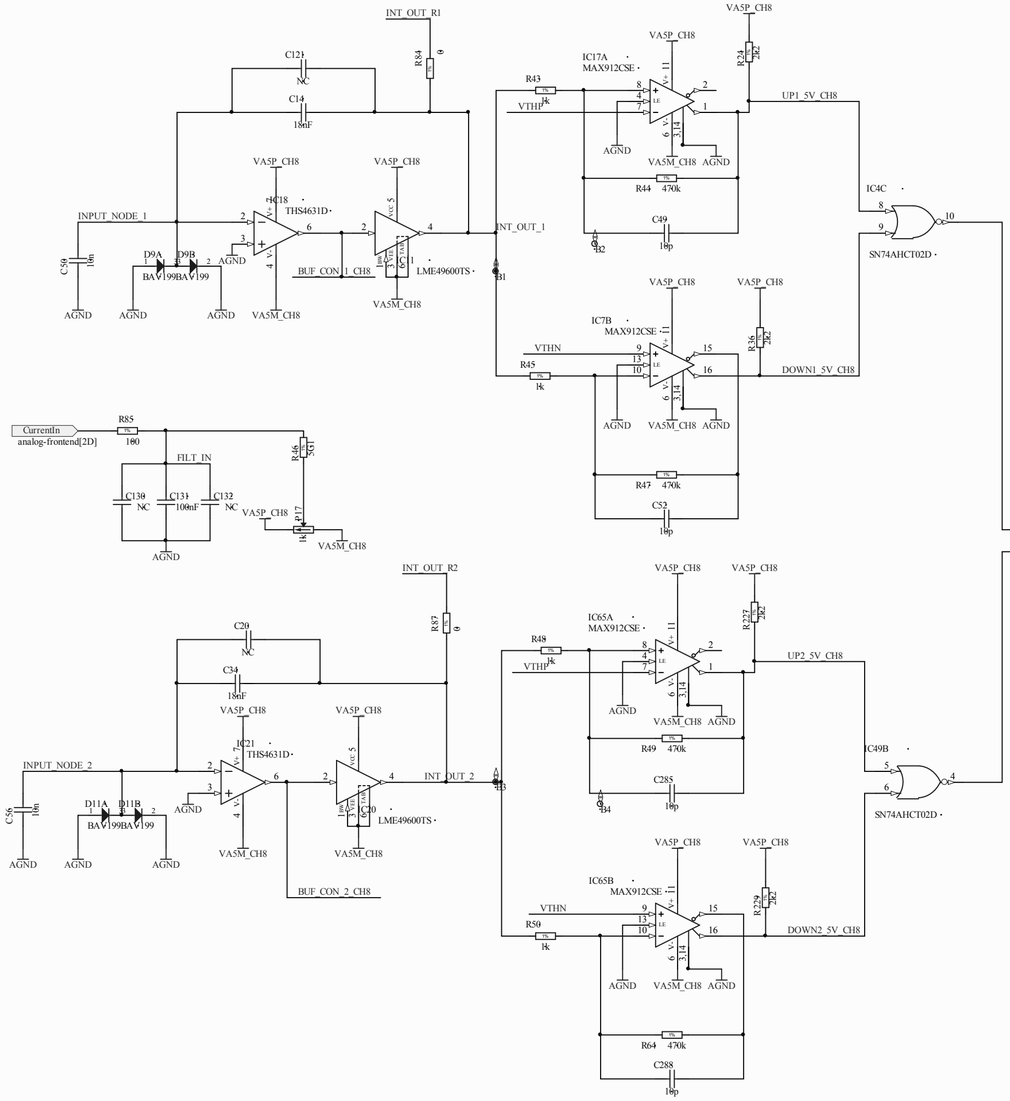

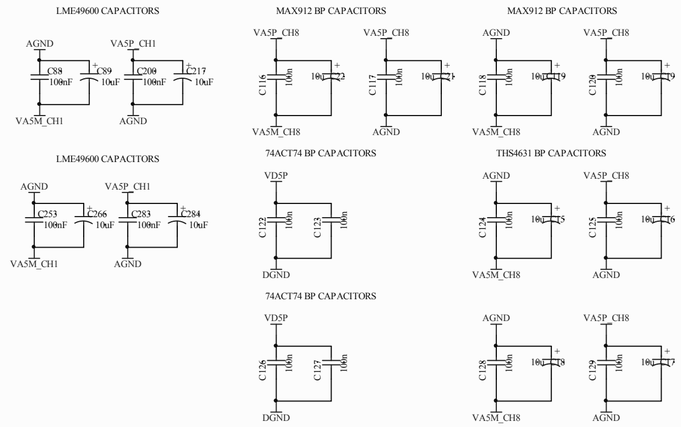

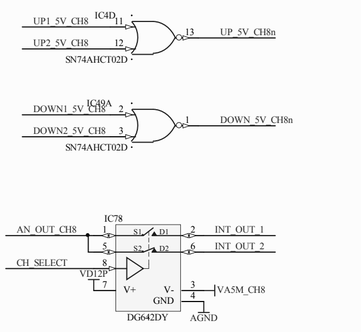

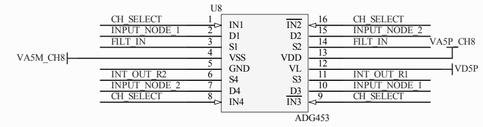

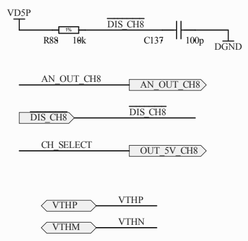

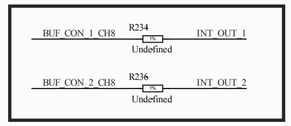

Projet/Equipement -

Document

CFC - Test board
CH8: DOUBLE CB RESET

AB-BI

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