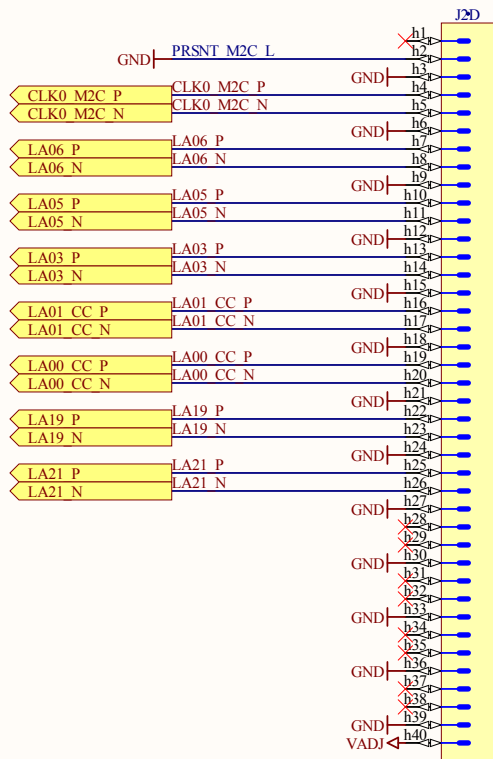
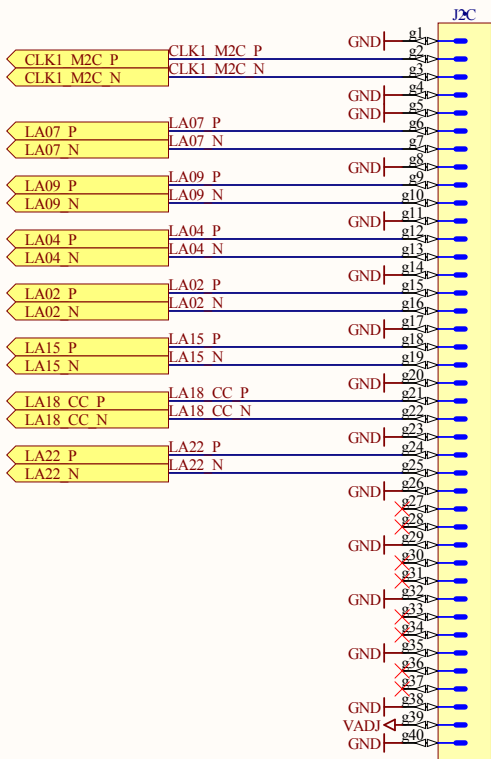
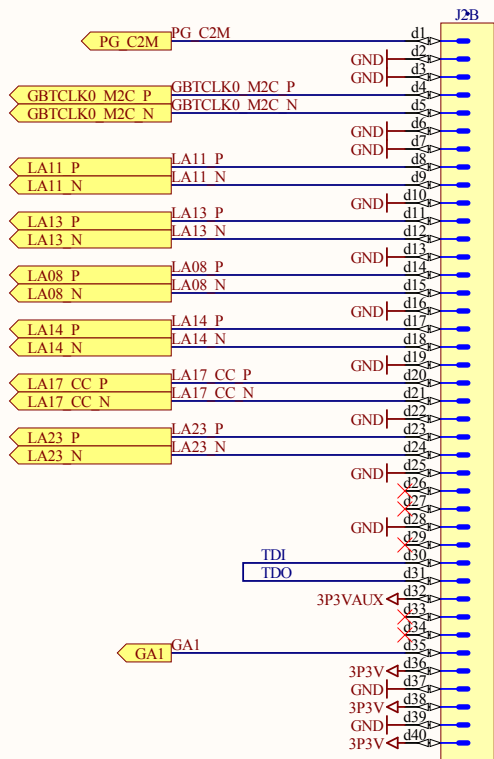
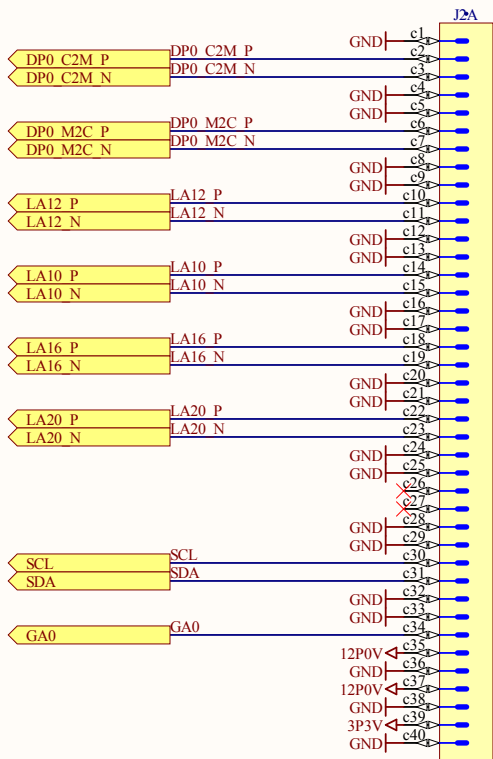


Blue comment area = directives for layout

Yellow comment area = general comment on design



Stand-off near FMC connector must be connected to FRONT_PANEL1 and FRONT_PANEL2

LA00* to LA23* are swappable



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Project/Equipment FmcDIO32chTTLa

Document

BE-CO-HT

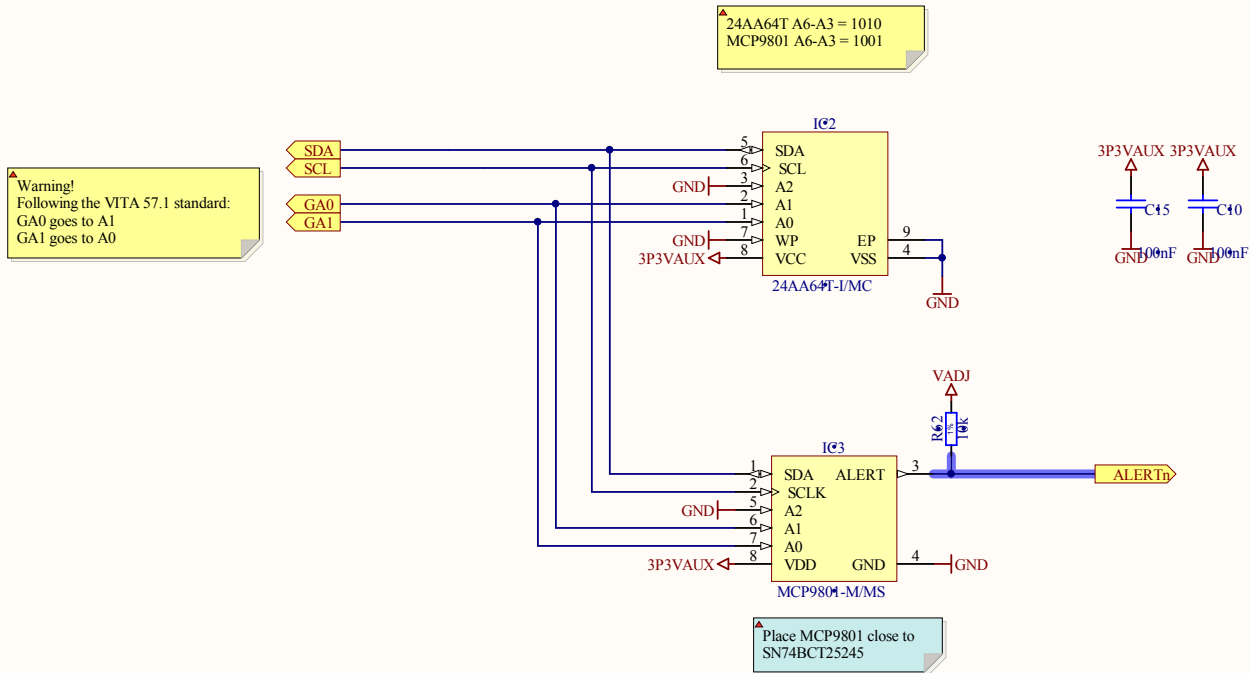


**FMC low-pin count connector
Connection with FMC carrier**

European Organization for Nuclear Research
CH-1211 Genève 23 - Switzerland

Designer	mcatlin	
Drawn by	mcatlin	11/04/2009
Check by	vanderby	11/26/2009
Last Mod.	mcatlin	2014-11-13
File	fmc_digital_io_fmc_connector.SchDoc	
Print Date	2014-11-13 23:36:15	Sheet 1 of 5

Size A4
Rev -



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Project/Equipment FmcDIO32chTTLa

Document



FMC IPMI
EEPROM, temperature sensor

European Organization for Nuclear Research
CH-1211 Genève 23 - Switzerland

Designer	mcattin	
Drawn by	mcattin	11/04/2009
Check by	vanderby	11/26/2009
Last Mod.	mcattin	2014-11-13
File	fmc_digital_io_ipmi.SchDoc	
Print Date	2014-11-13 23:36:15	Sheet 2 of 5

Size	Rev
A4	-

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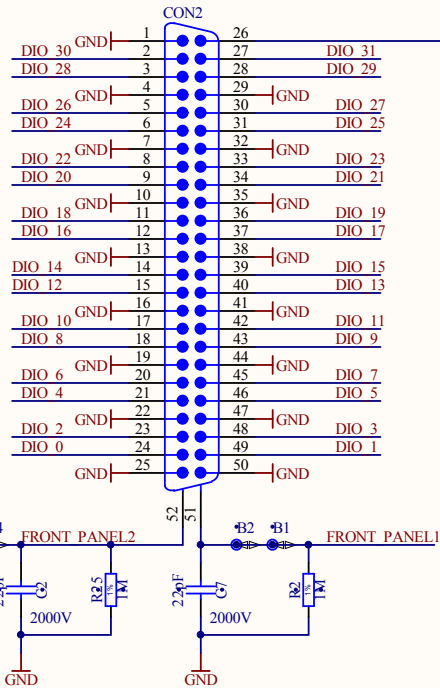
B

C

D

E

MD5RP50F0L3 or 10250-55H3PC or 10250-55H3PL

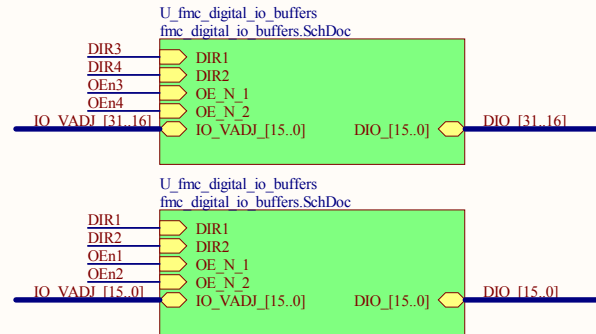
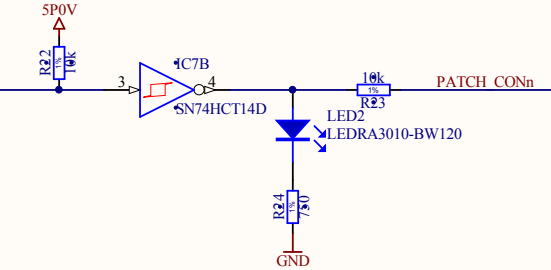
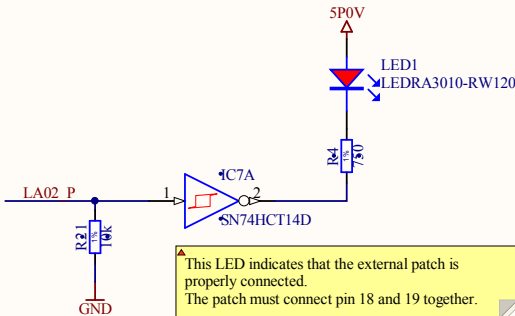
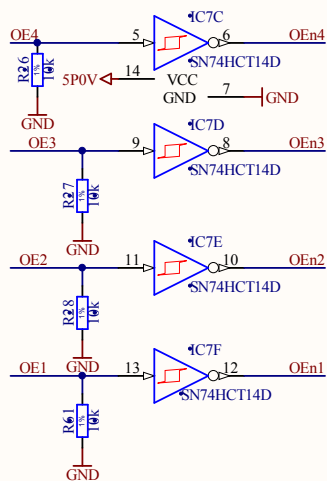


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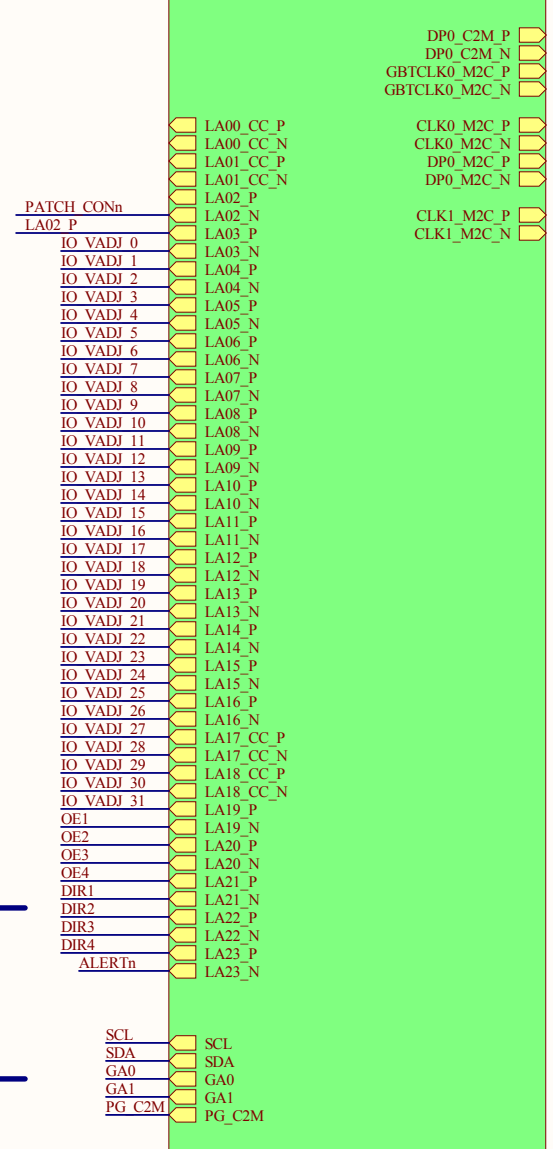
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U_fmc_digital_io_power_supplies
fmc_digital_io_power_supplies.SchDoc

U_fmc_digital_io_ipmi
fmc_digital_io_ipmi.SchDoc



U_fmc_digital_io_fmc_connector
fmc_digital_io_fmc_connector.SchDoc



Project/Equipment FmcDIO32chTTLA

Document

BE-CO-HT



FMC front panel External connections

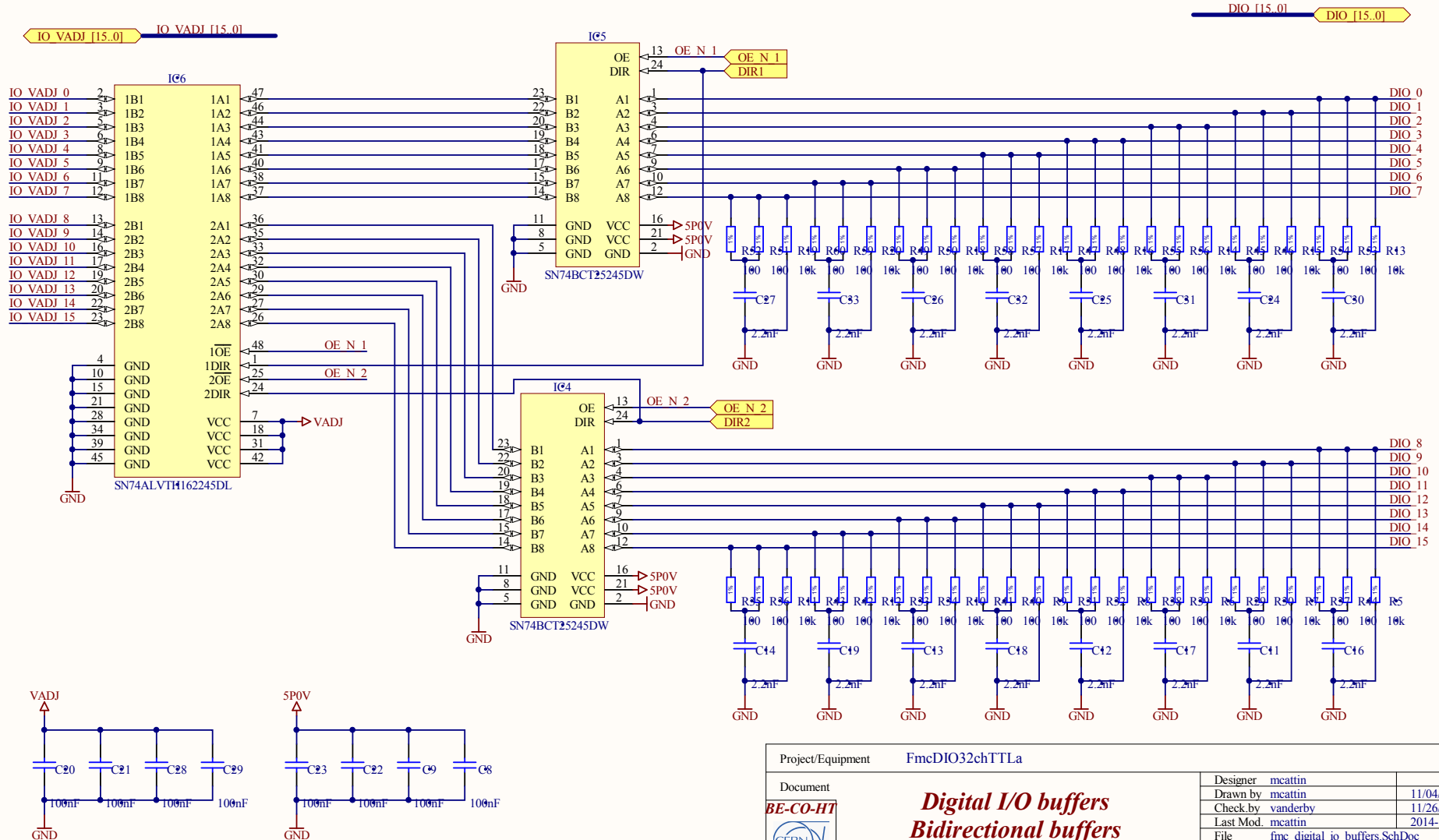
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CH-1211 Genève 23 - Switzerland

Designer	mcattin	
Drawn by	mcattin	11/04/2009
Check by	vanderby	11/26/2009
Last Mod.	FS	2014-11-13
File	fmc_digital_io_front_panel.SchDoc	
Print Date	2014-11-13 23:36:15	Sheet 3 of 5

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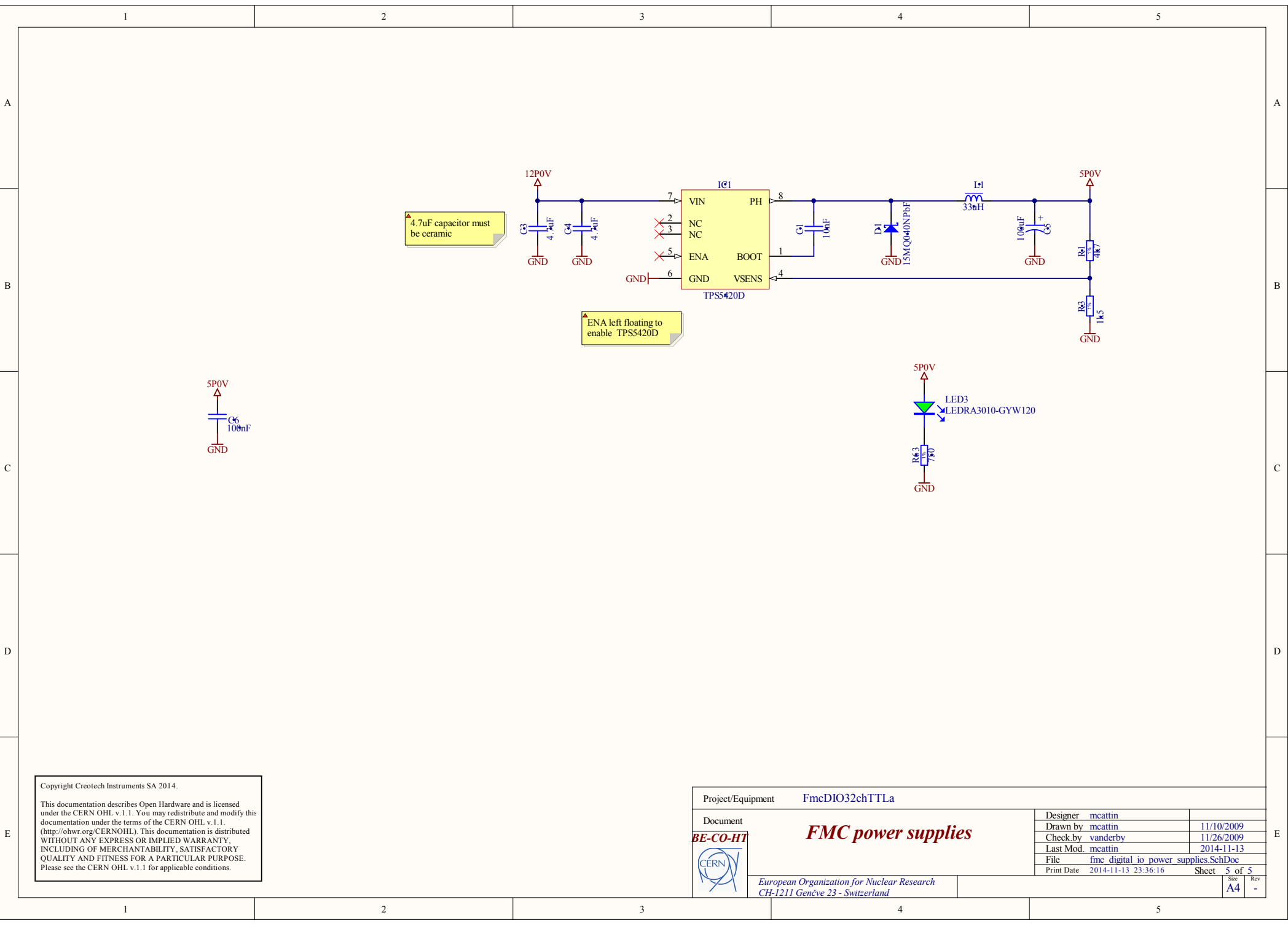
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BE-CO-HT		Drawn by mcatlin	
CERN		Check by vanderby	
		Last Mod. mcatlin	
		File fmc_digital_io_buffers.SchDoc	
		Print Date 2014-11-13 23:36:16	
		Sheet 4 of 5	
		Size A4	
		Rev -	

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Digital I/O buffers Bidirectional buffers



▲ 4.7uF capacitor must be ceramic

▲ ENA left floating to enable TPS5420D

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Project/Equipment		FmcDIO32chTTLa	
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	Check by	vanderby	11/26/2009
	Last Mod.	mcatlin	2014-11-13
	File	fmc_digital_io_power_supplies.SchDoc	
Print Date		2014-11-13 23:36:16	Sheet 5 of 5
 European Organization for Nuclear Research CH-1211 Genève 23 - Switzerland		Size	Rev
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