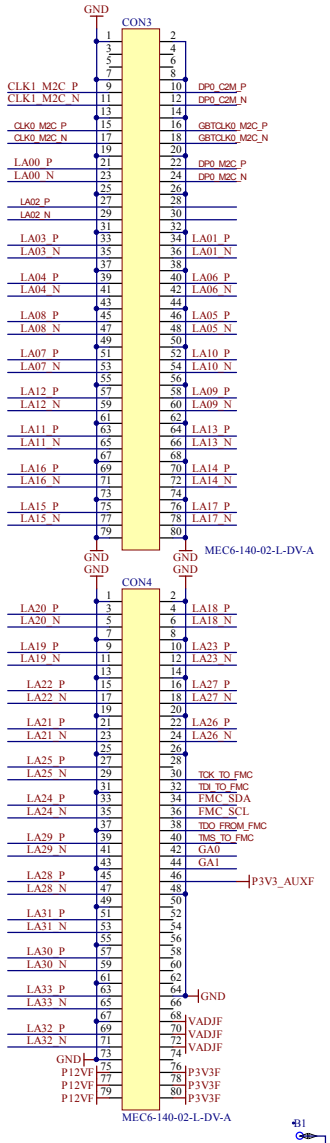
Low Pin Count FMC connector



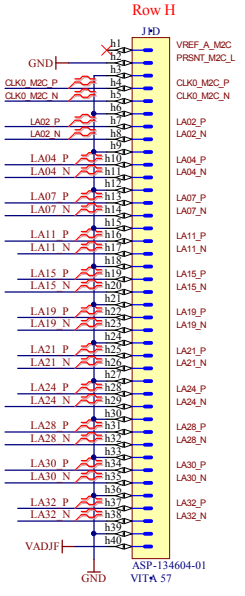
FTG1 FTG2 FTG3

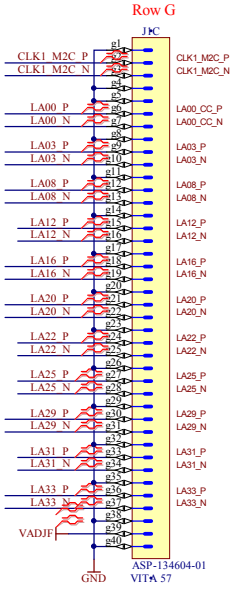
FTG1 ... FTG3
Reference points for the component mounting machine.

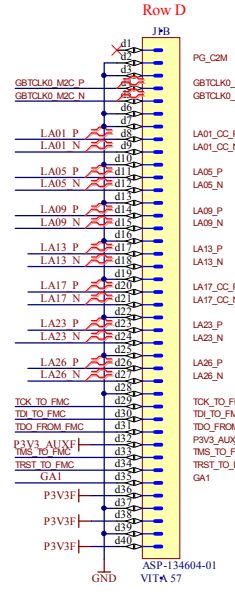
B1 B2 B3 B4 GND

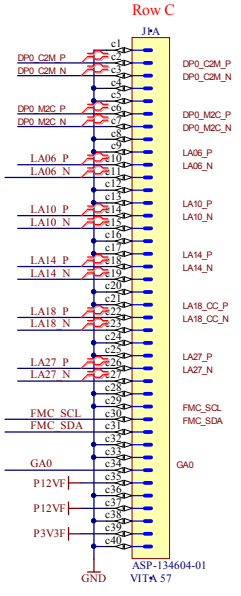
B1 B4 GND

B1 ... B4
screw holes for attaching the FMC to the carrier board.









Project/Equipment	FMC_DIO_16ch_LVDS
Document	FMC Connector Fanout
Designer	
Drawn by	
Check by	
Last Mod.	2014-10-29
File	fmc_connector.SchDoc
Print Date	2014-10-29 16:02:46
Sheet	4 of 5
Size	A3
Rev	-

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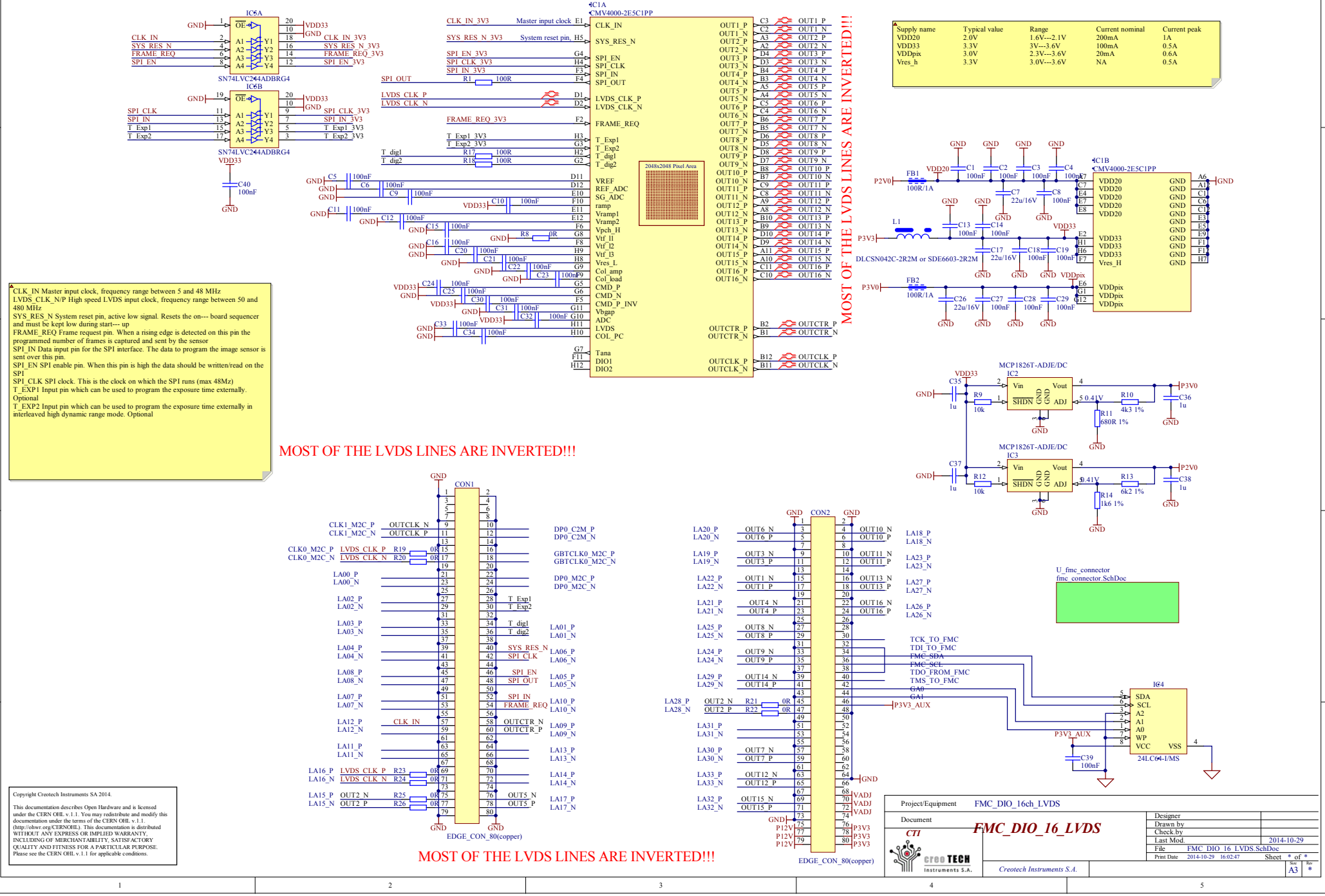

Supply name	Typical value	Range	Current nominal	Current peak
VDD20	2.0V	1.6V---2.1V	200mA	1A
VDD33	3.3V	3V---3.6V	100mA	0.5A
VDDpix	3.0V	2.3V---3.6V	20mA	0.6A
Vres_h	3.3V	3.0V---3.6V	NA	0.5A

CLK_IN Master input clock, frequency range between 5 and 48 MHz
LVDS_CLK_N/P High speed LVDS input clock, frequency range between 50 and 480 MHz
SYS_RES_N System reset pin, active low signal. Resets the on--- board sequencer and must be kept low during start--- up
FRAME_REQ Frame request pin. When a rising edge is detected on this pin the programmed number of frames is captured and sent by the sensor
SPI_IN Data input pin for the SPI interface. The data to program the image sensor is sent over this pin.
SPI_EN SPI enable pin. When this pin is high the data should be written/read on the SPI
SPI_CLK SPI clock. This is the clock on which the SPI runs (max 48Mz)
T_EXP1 Input pin which can be used to program the exposure time externally. Optional
T_EXP2 Input pin which can be used to program the exposure time externally in interleaved high dynamic range mode. Optional

Project/Equipment	FMC_DIO_16ch_LVDS
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Last Mod.	2014-10-29
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Print Date	2014-10-29 16:02:47
Sheet	* of *
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