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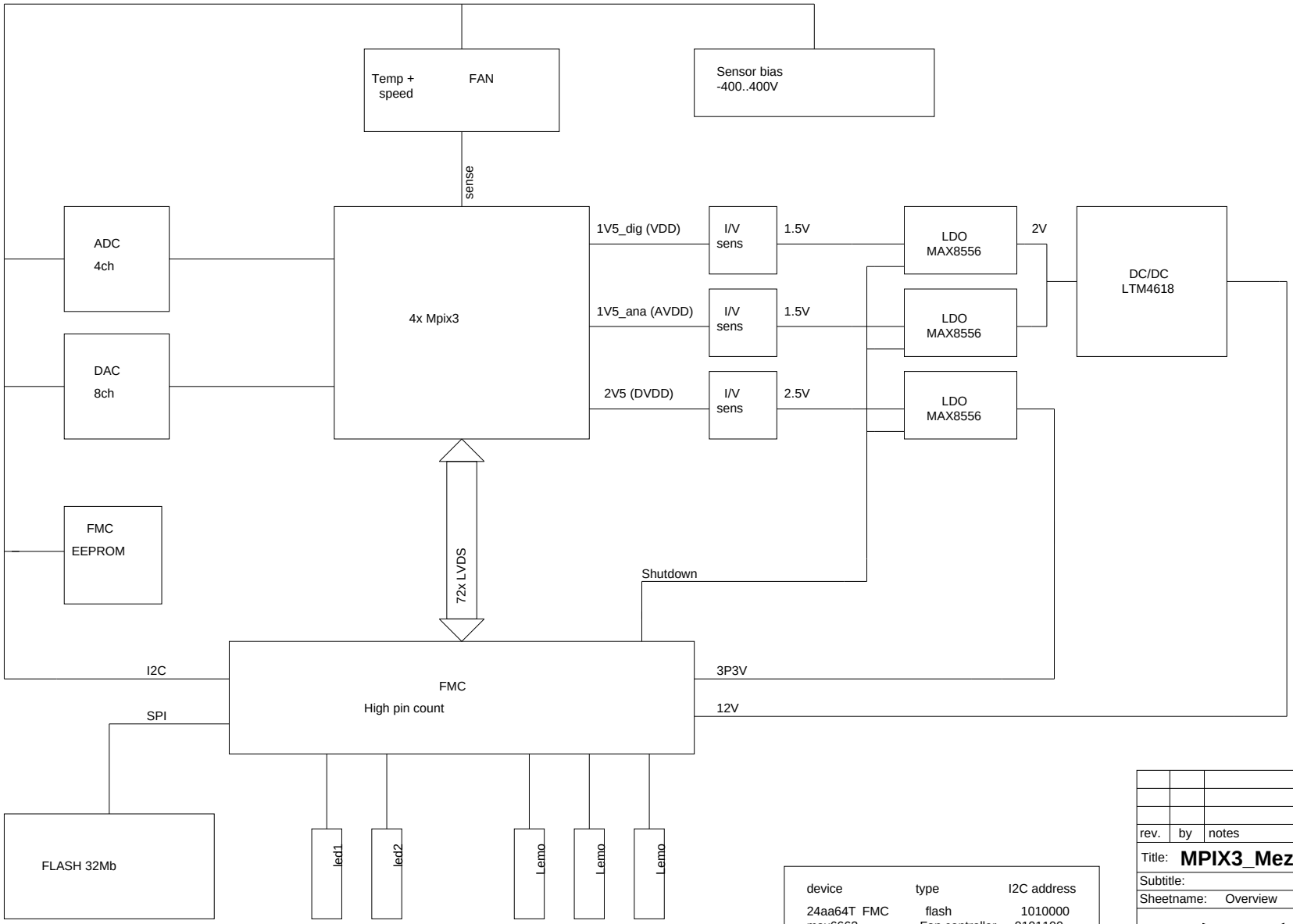

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max6663	Fan controller	0101100
ltc2636	dac	0010000
ltc2489_MPX	adc	0010100
ina219_AVDD	I/V sense	1000101
ina219_DVDD	I/V sense	1000000
ina219_VDD	I/V sense	1000000

rev.	by	notes

Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: Overview

NIKHEF Amsterdam

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Project No. ET40054.07.01.V1

Designed by Bas van der Heijden

Drawn by Bas van der Heijden

Size 297 x 210mm

Sheet 1 of 8 A4

Date 25-10-2011_11:07

Time

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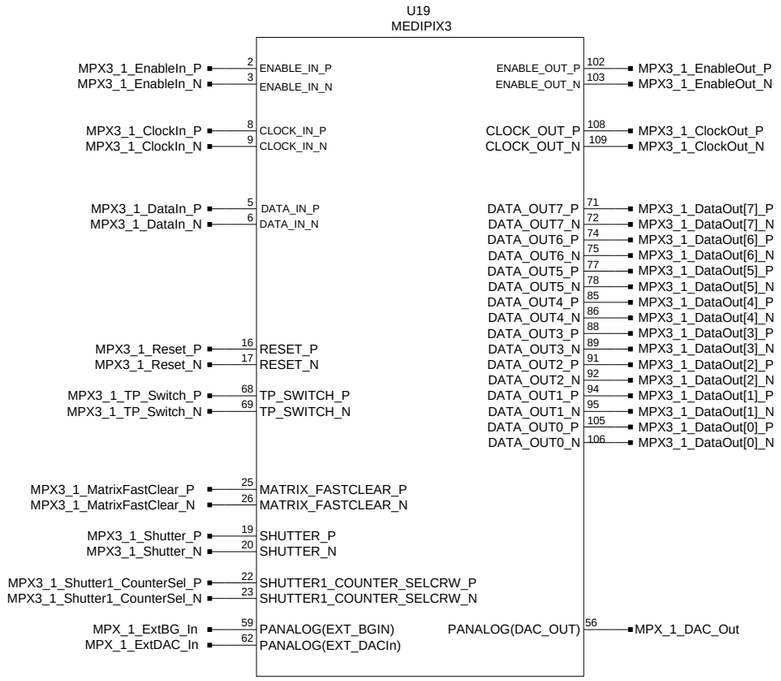

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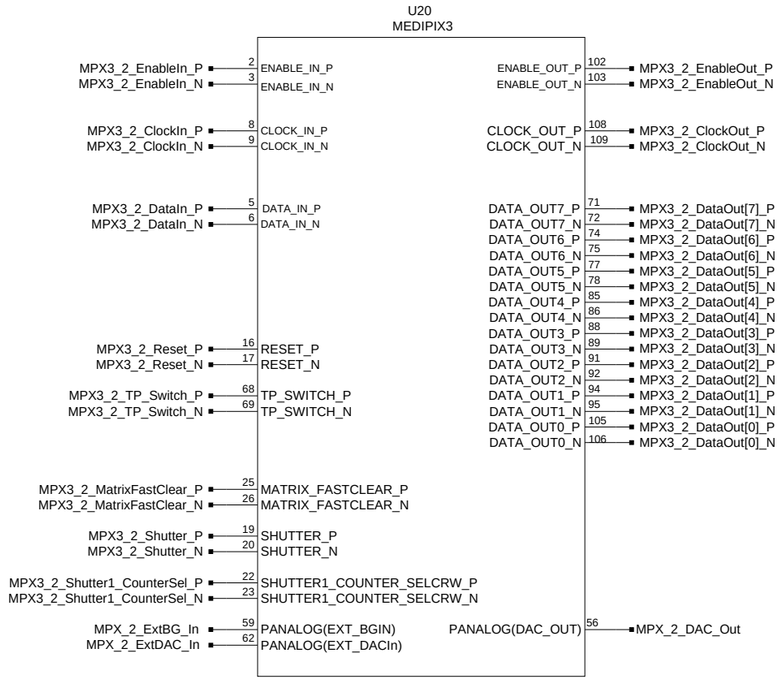

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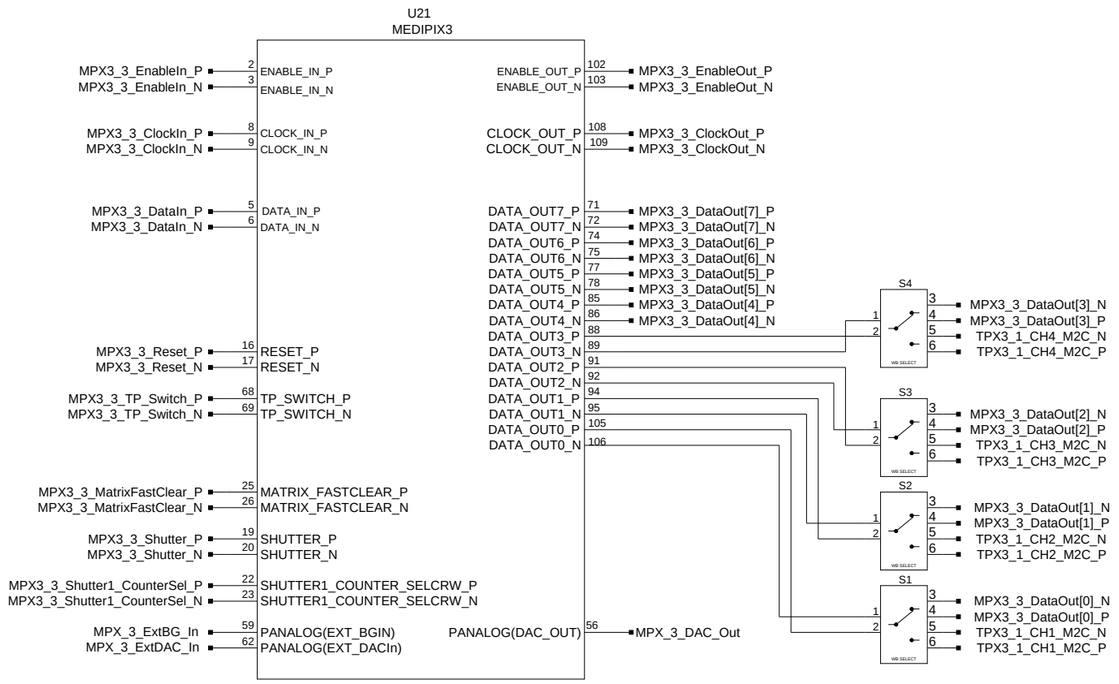

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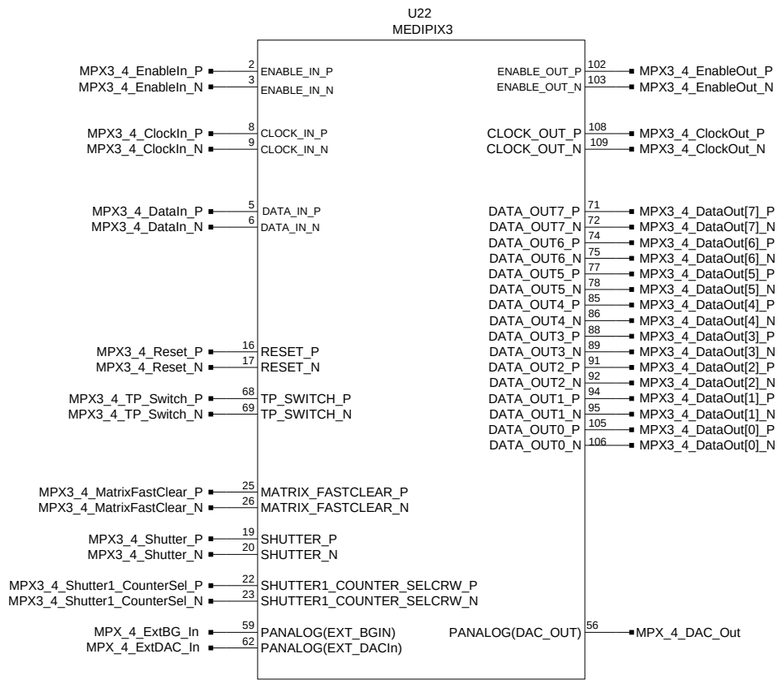

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Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: Medipix3_signal

NIKHEF Amsterdam
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Project No. ET40054.07.01.V1

Designed by Bas van der Heijden

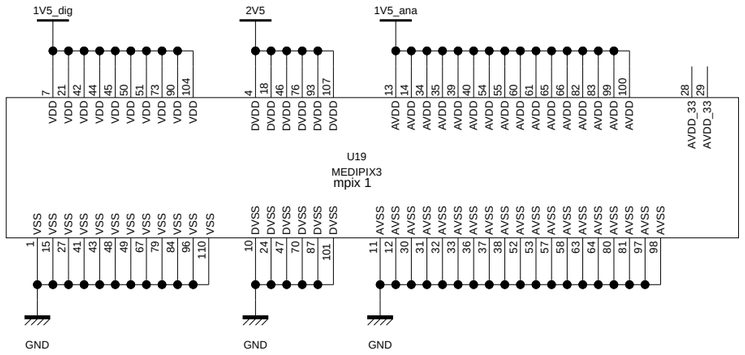
Drawn by Bas van der Heijden

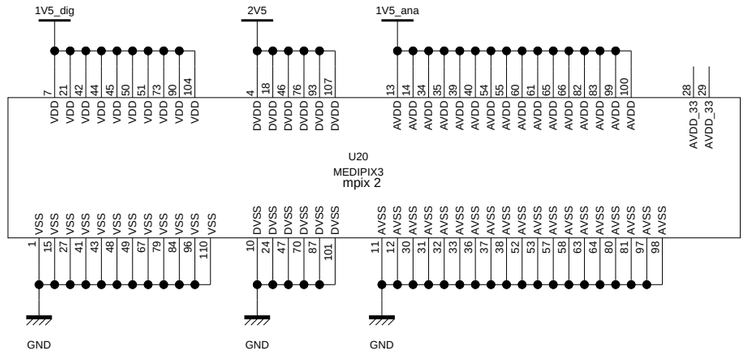
Size 420 x 297mm

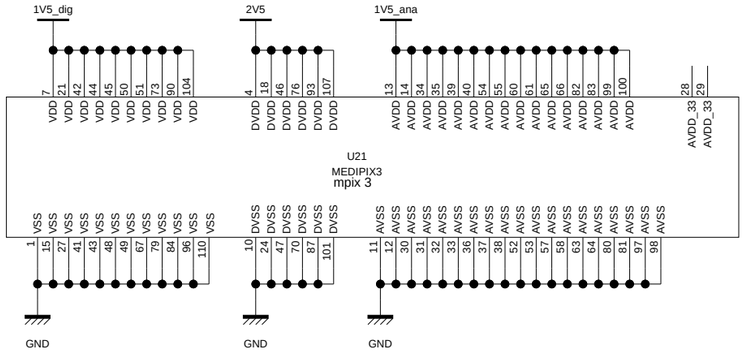
Sheet 2 of 8 A3

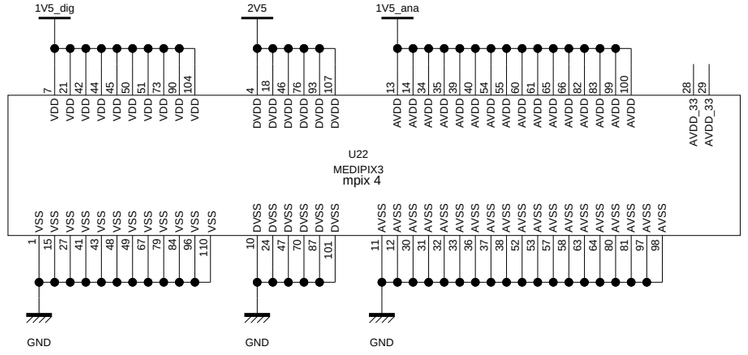
Date 27-10-2011_15:01

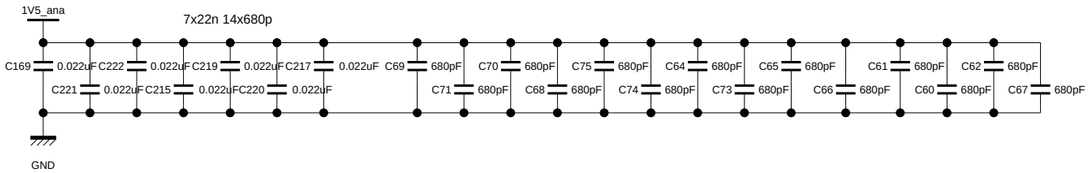
Time

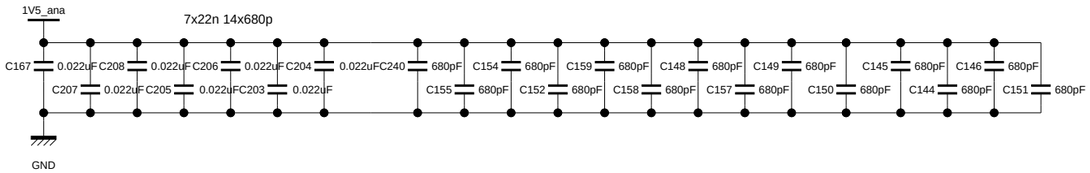


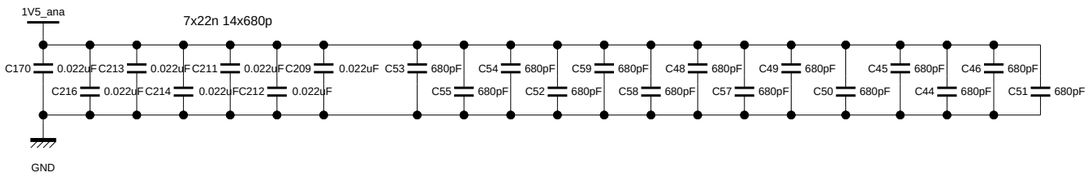


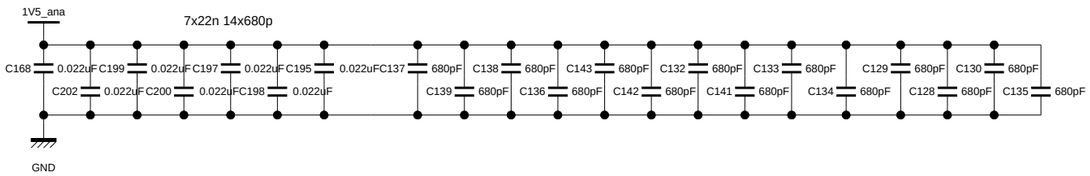


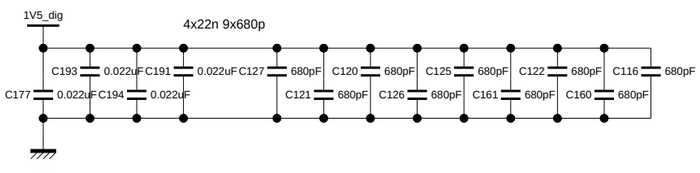


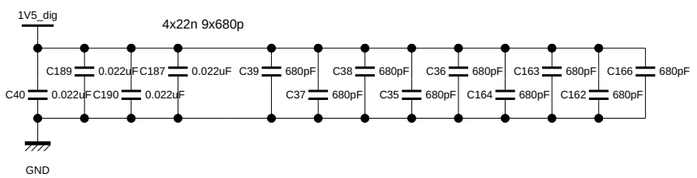


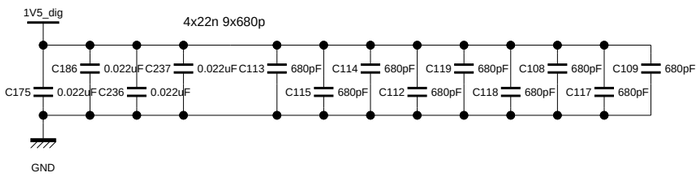


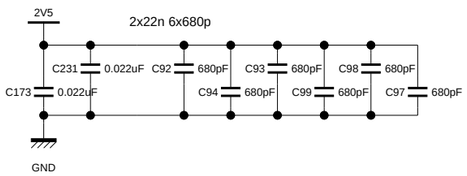


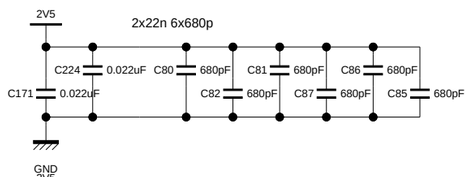


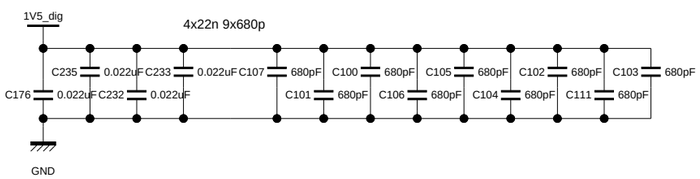


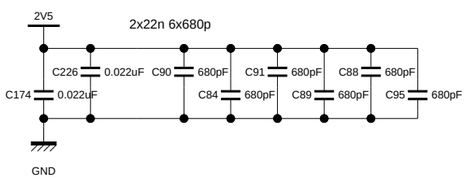


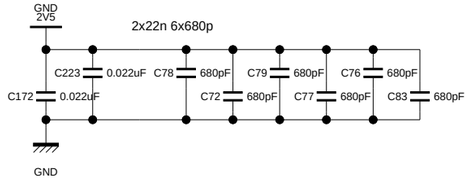












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Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: Medipix3_power

NIKHEF Amsterdam

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Project No. ET40054.07.01.V1

Designed by Bas van der Heijden

Drawn by Bas van der Heijden

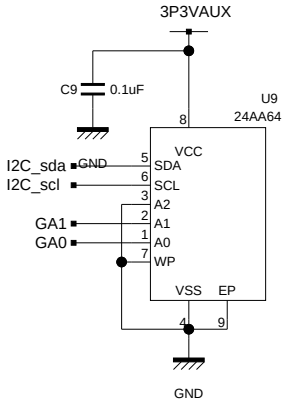
Size 420 x 297mm

Sheet 3 of 8 A3

Date 03-11-2011_14:43

Time

FMC EEPROM



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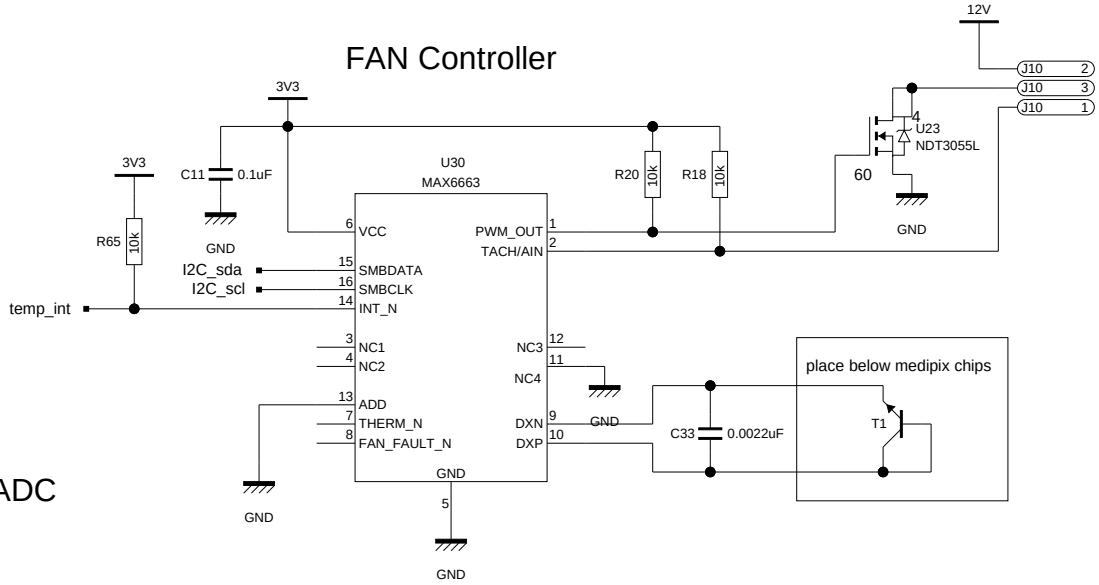

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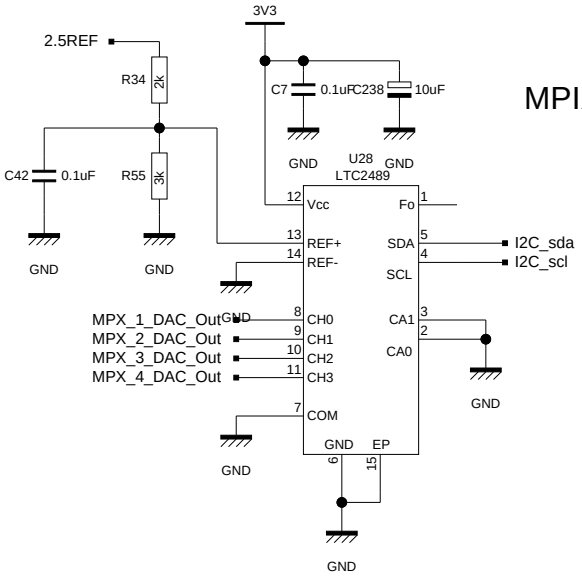

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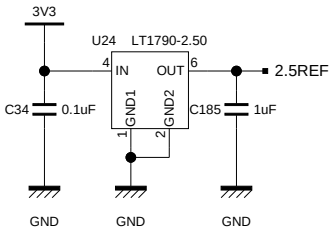

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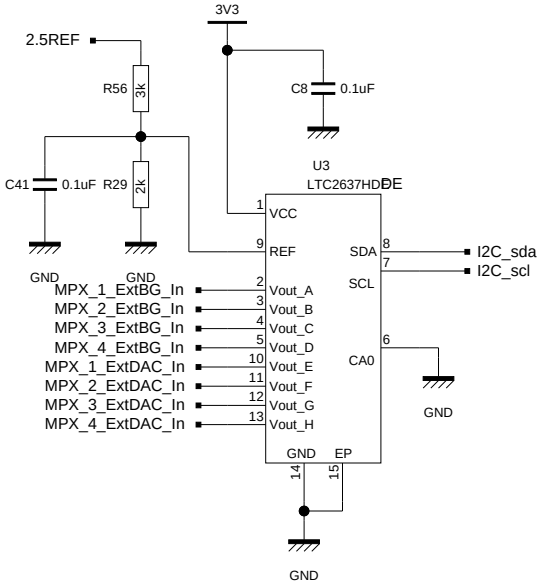

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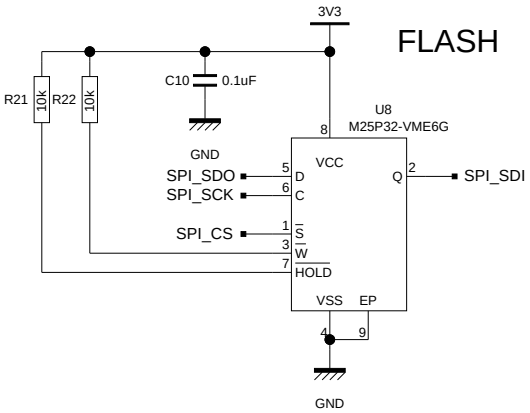

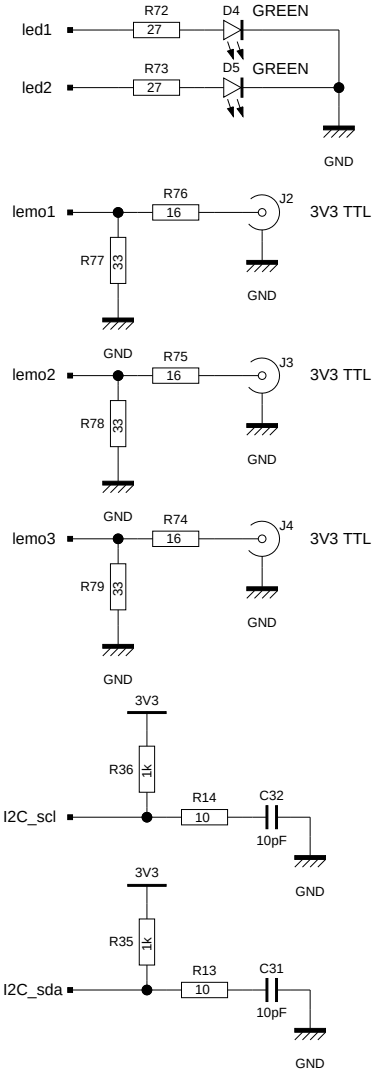

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Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: Peripheral

NIKHEF Amsterdam

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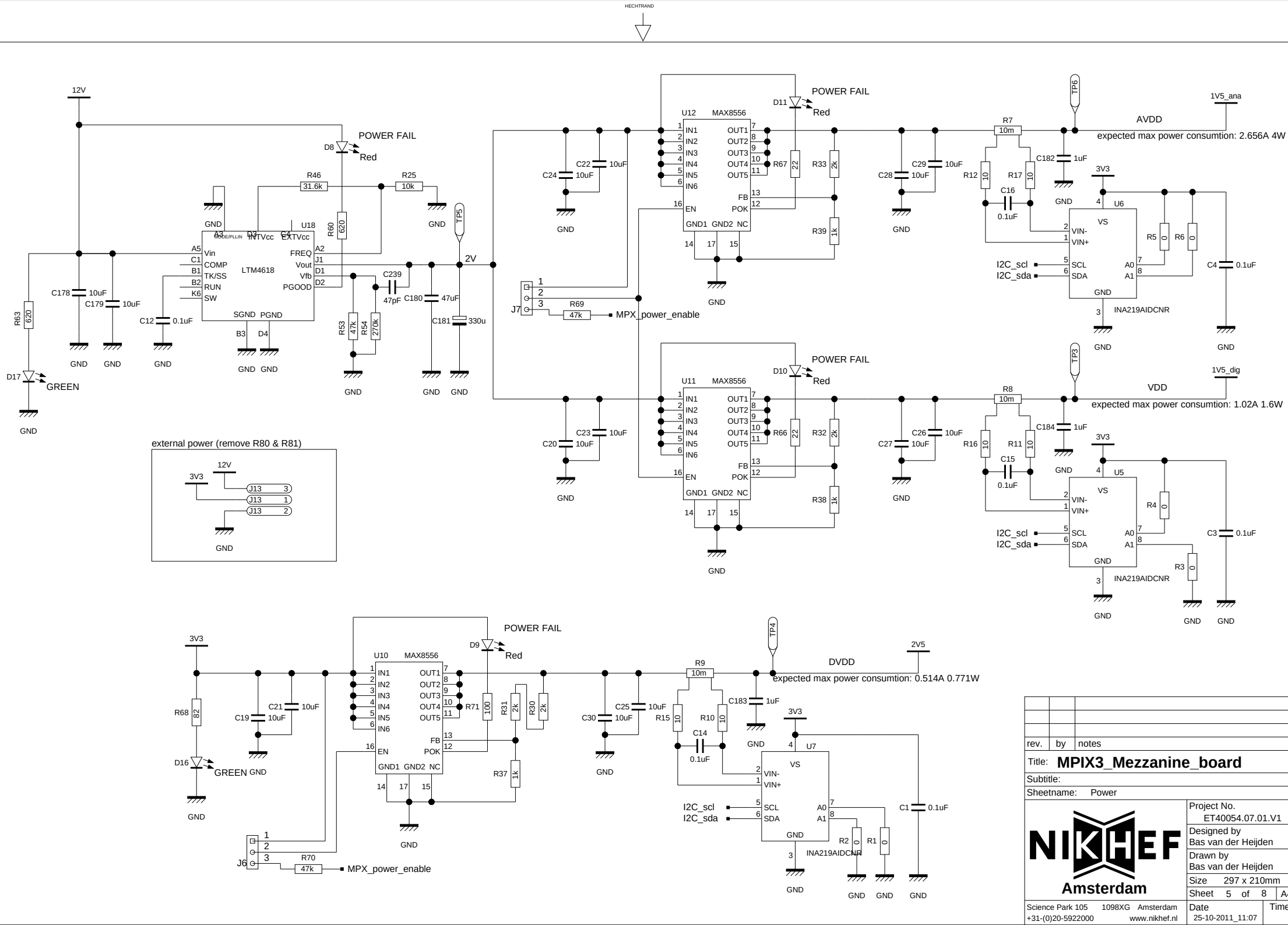
Project No.	ET40054.07.01.V1
Designed by	Bas van der Heijden
Drawn by	Bas van der Heijden
Size	297 x 210mm
Sheet	4 of 8 A4
Date	25-10-2011_11:07
Time	



rev.	by	notes

Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: Power

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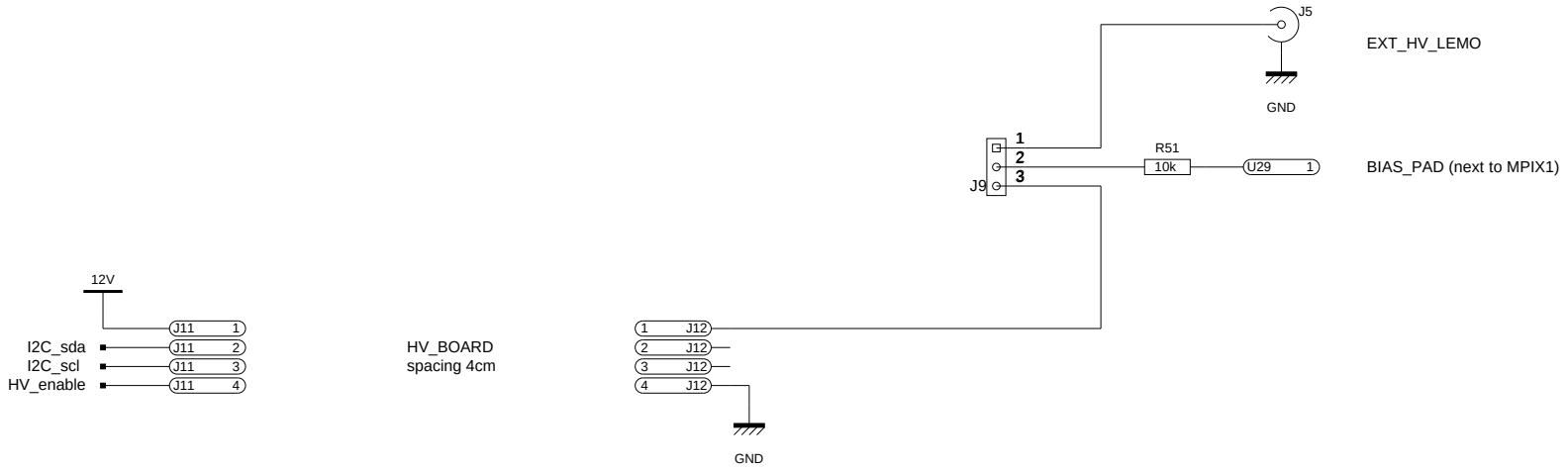
Project No.	ET40054.07.01.V1
Designed by	Bas van der Heijden
Drawn by	Bas van der Heijden
Size	297 x 210mm
Sheet	5 of 8 A4
Date	25-10-2011_11:07
Time	

HECHTRAND



rev.	by	notes

Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: HV

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Project No. ET40054.07.01.V1

Designed by Bas van der Heijden

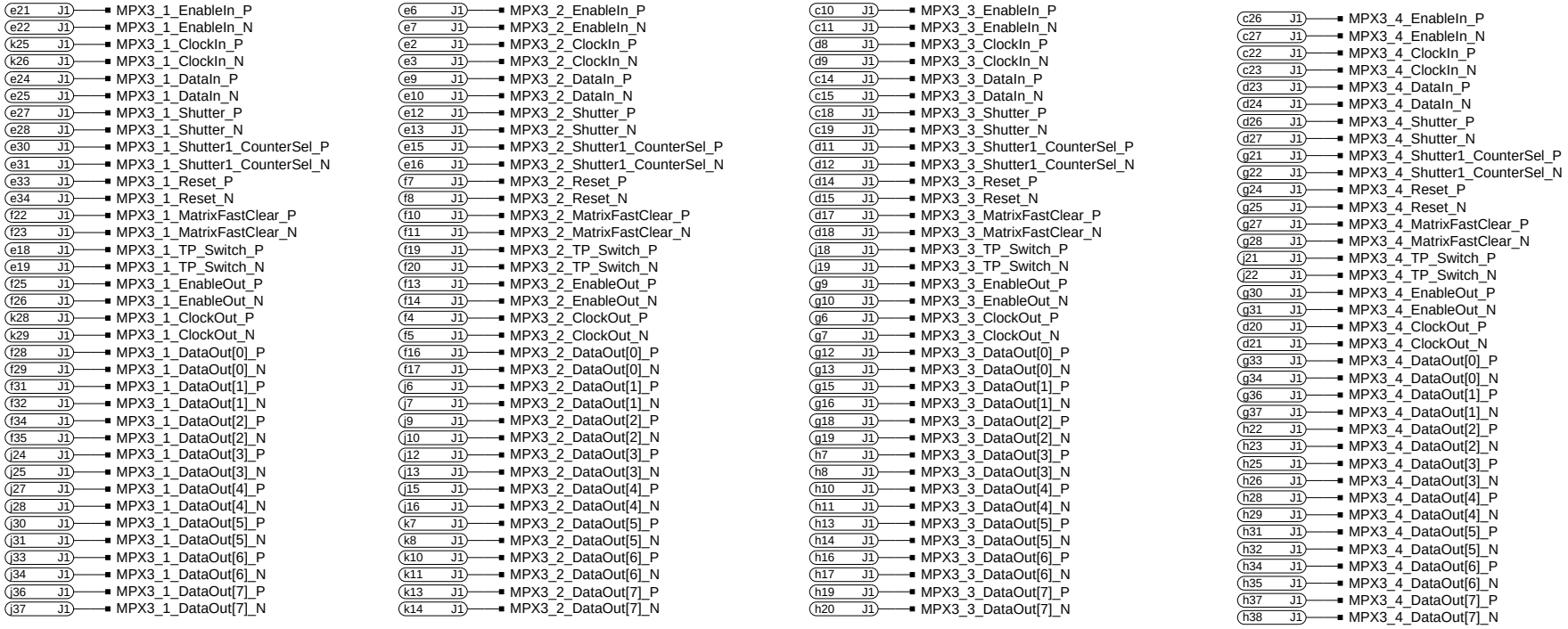
Drawn by Bas van der Heijden

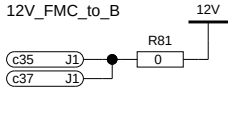
Size 297 x 210mm

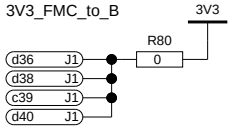
Sheet 6 of 8 A4

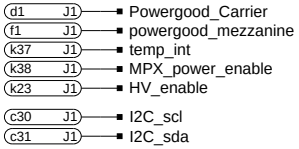
Date 25-10-2011_11:08

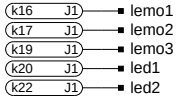
Time

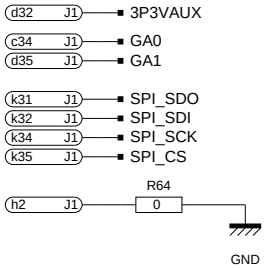


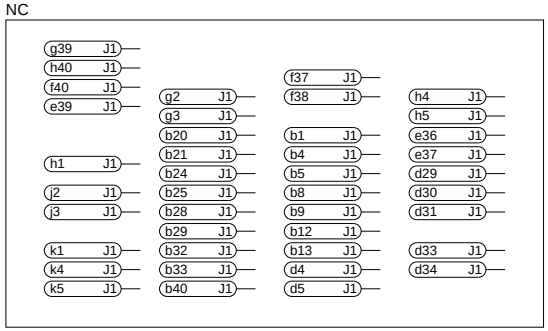


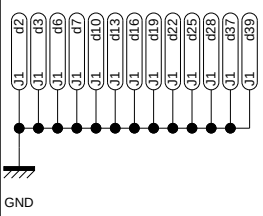


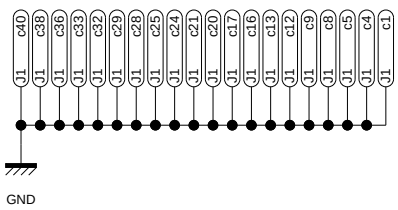


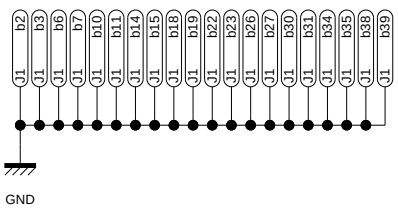


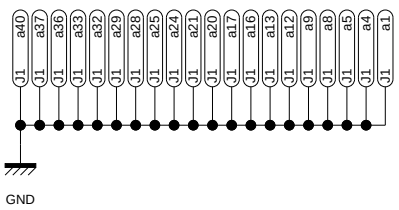


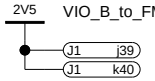


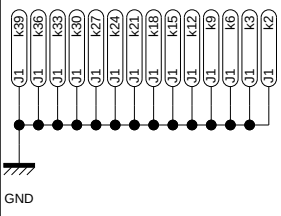


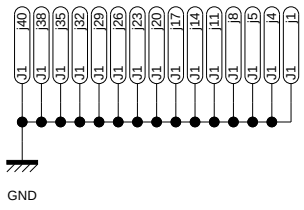


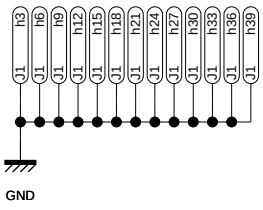


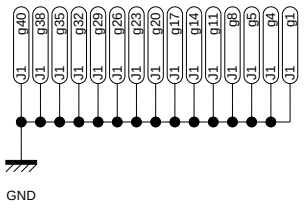


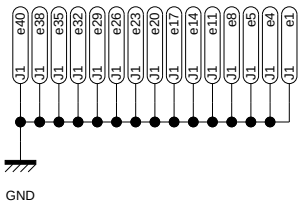


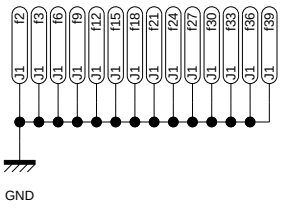












rev.	by	notes

Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: FMC

NIKHEF Amsterdam

Science Park 105 1098XG Amsterdam
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Project No.	ET40054.07.01.V1
Designed by	Bas van der Heijden
Drawn by	Bas van der Heijden
Size	297 x 210mm
Sheet	7 of 8 A4
Date	25-10-2011_11:08
Time	

HECHTRAND

FMC TimePix3 gigabit tranceiver signals

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c7	J1	TPX3_1_CH1_M2C_N	
c2	J1	TPX3_1_CH1_C2M_P	N/C
c3	J1	TPX3_1_CH1_C2M_N	N/C
a2	J1	TPX3_1_CH2_M2C_P	
a3	J1	TPX3_1_CH2_M2C_N	
a22	J1	TPX3_1_CH2_C2M_P	N/C
a23	J1	TPX3_1_CH2_C2M_N	N/C
a6	J1	TPX3_1_CH3_M2C_P	
a7	J1	TPX3_1_CH3_M2C_N	
a26	J1	TPX3_1_CH3_C2M_P	N/C
a27	J1	TPX3_1_CH3_C2M_N	N/C
a10	J1	TPX3_1_CH4_M2C_P	
a11	J1	TPX3_1_CH4_M2C_N	
a30	J1	TPX3_1_CH4_C2M_P	N/C
a31	J1	TPX3_1_CH4_C2M_N	N/C
a14	J1	TPX3_2_CH1_M2C_P	N/C
a15	J1	TPX3_2_CH1_M2C_N	N/C
a34	J1	TPX3_2_CH1_C2M_P	N/C
a35	J1	TPX3_2_CH1_C2M_N	N/C
a18	J1	TPX3_3_CH1_M2C_P	N/C
a19	J1	TPX3_3_CH1_M2C_N	N/C
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a39	J1	TPX3_3_CH1_C2M_N	N/C
b16	J1	TPX3_4_CH1_M2C_P	N/C
b17	J1	TPX3_4_CH1_M2C_N	N/C
b36	J1	TPX3_4_CH1_C2M_P	N/C
b37	J1	TPX3_4_CH1_C2M_N	N/C

FMC Rule 5.34: The DP[0..9]_M2C are driven from the IO mezzanine module to the carrier card.
FMC Rule 5.36: The DP[0..9]_C2M are driven from the carrier card to the IO mezzanine module.

rev.	by	notes

Title: **MPIX3_Mezzanine_board**

Subtitle:

Sheetname: TIMEPIX3

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Project No. ET40054.07.01.V1

Designed by Bas van der Heijden

Drawn by Bas van der Heijden

Size 297 x 210mm

Sheet 8 of 8 A4

Date 27-10-2011_14:43

Time