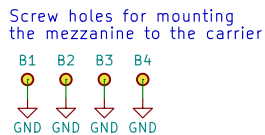
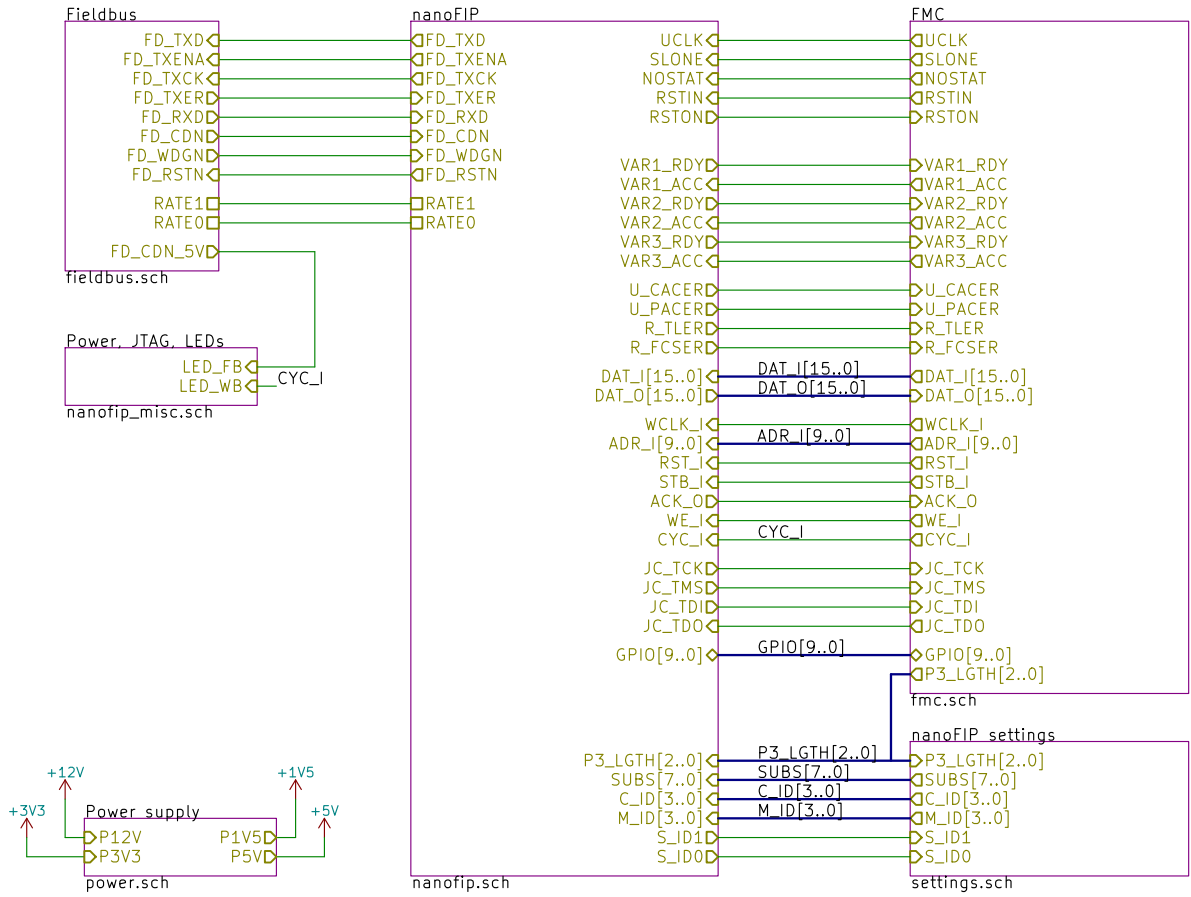


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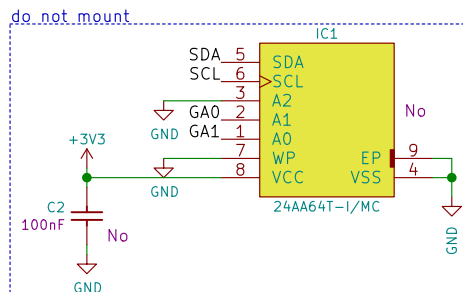
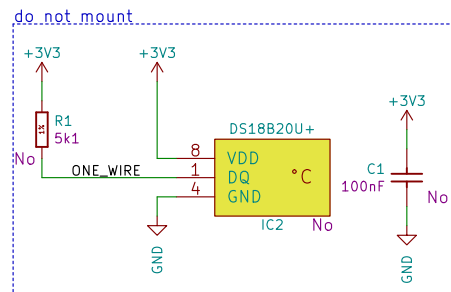
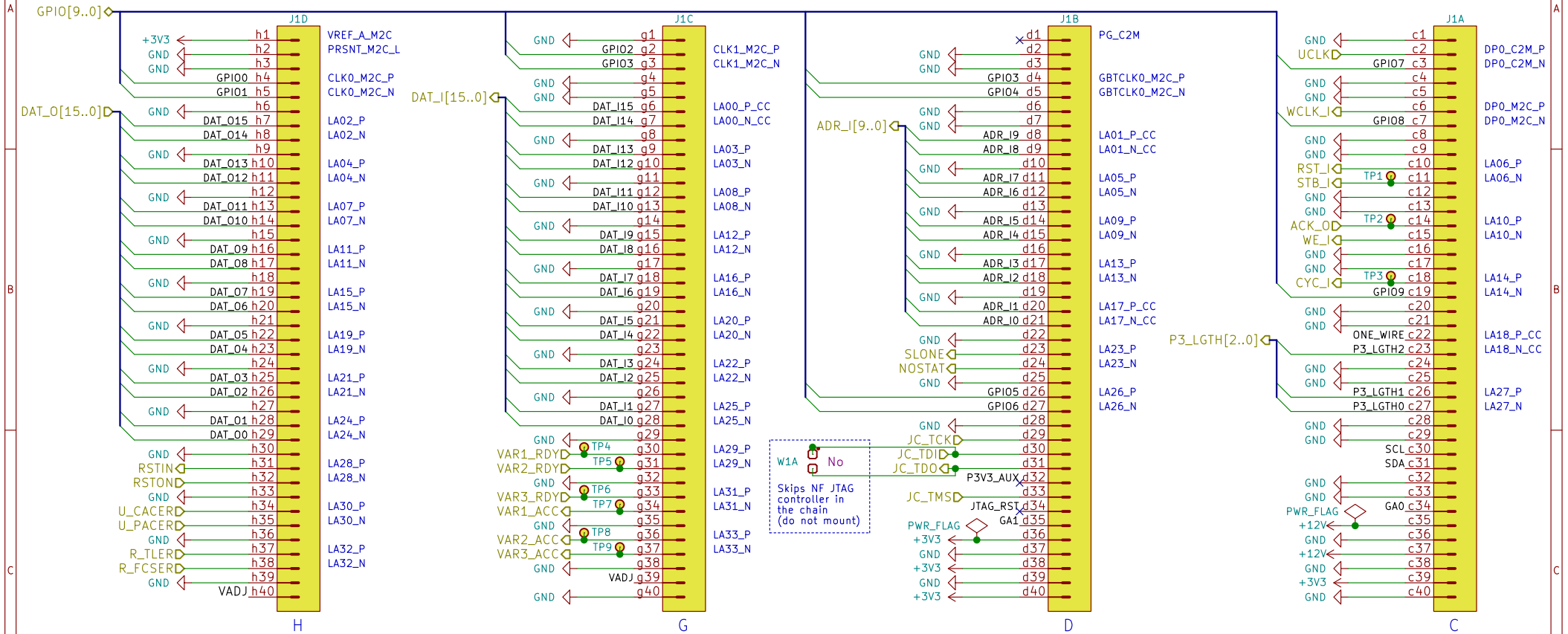
Sheet: /
 File: fmc-nanofip.sch

Title: FMC-nanoFIP

| | | |
|---|------------------|---------|
| Size: A4 | Date: 2017-06-19 | Rev: 4 |
| KiCad E.D.A. kicad (2017-06-12 revision 19d5cc754)-master | | Id: 1/7 |

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place test points and pin headers on the side without the FMC connector



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Sheet: /FMC/
 File: fmc.sch

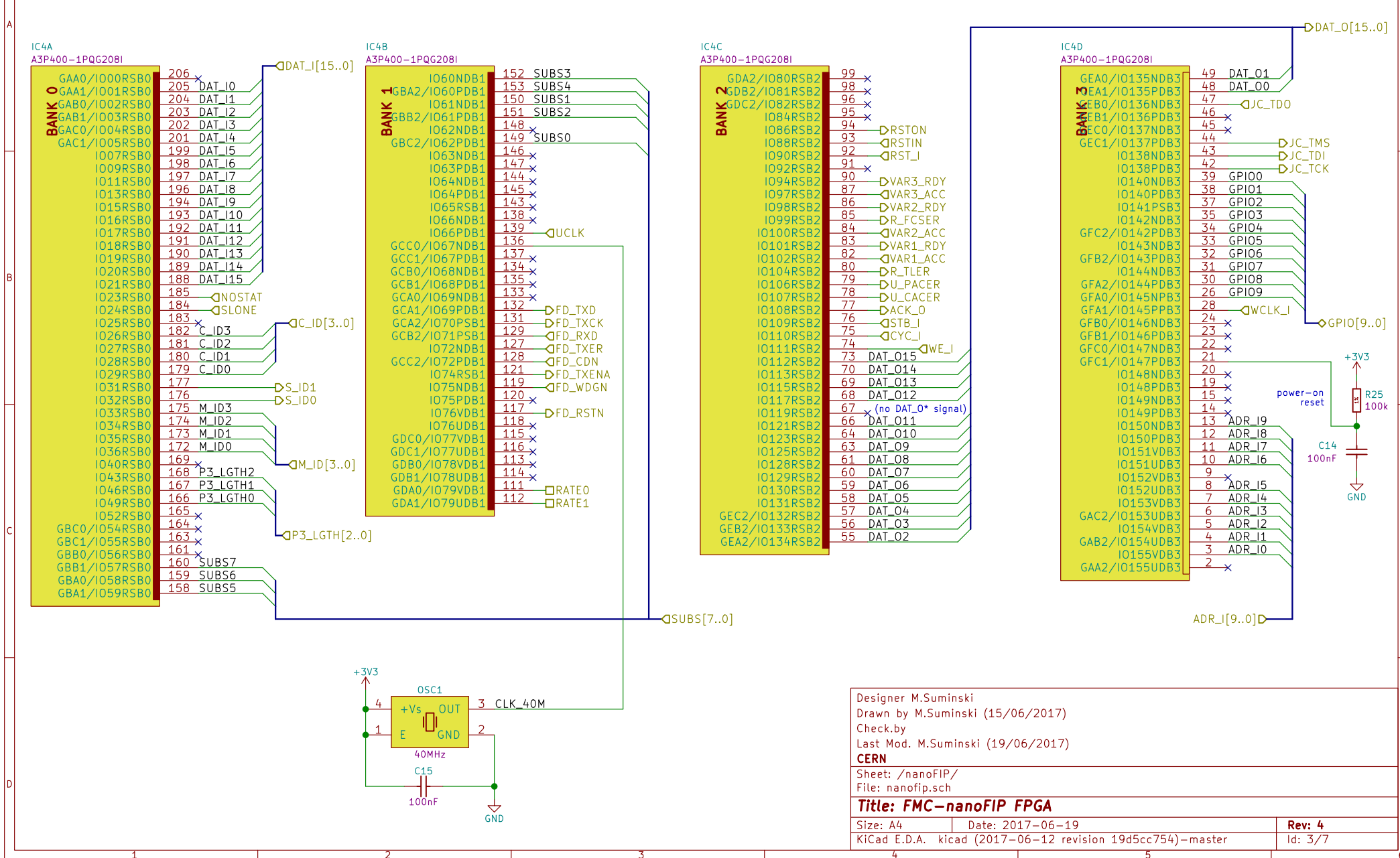
Title: FMC-nanoFIP FMC connector (LPC)

| | | |
|---|------------------|---------|
| Size: A4 | Date: 2017-06-19 | Rev: 4 |
| KiCad E.D.A. kicad (2017-06-12 revision 19d5cc754)-master | | Id: 2/7 |

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PIN SWAPPING NOT POSSIBLE



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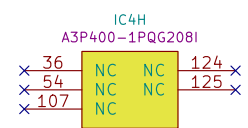
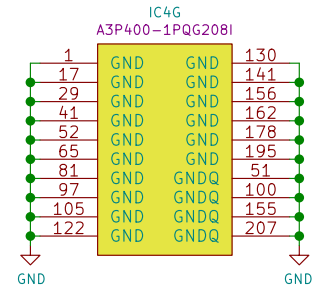
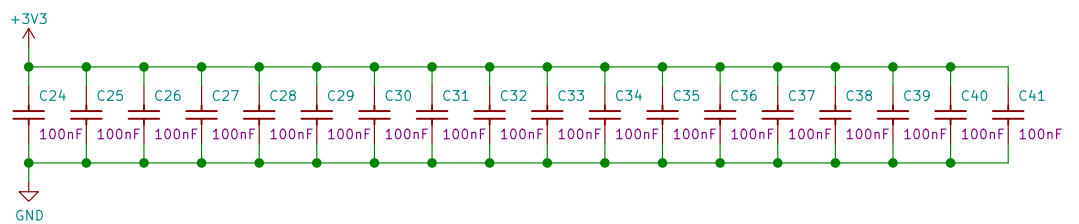
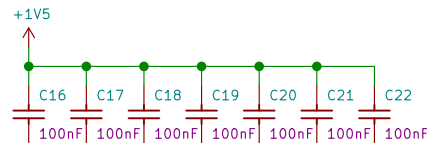
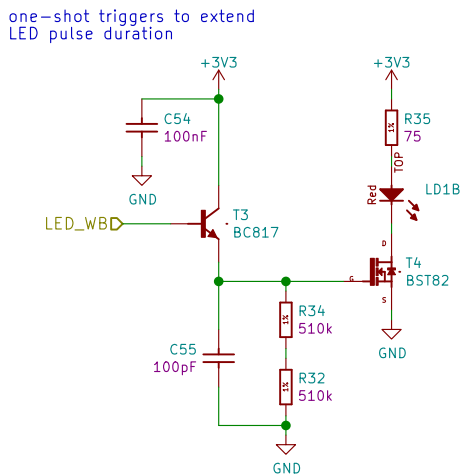
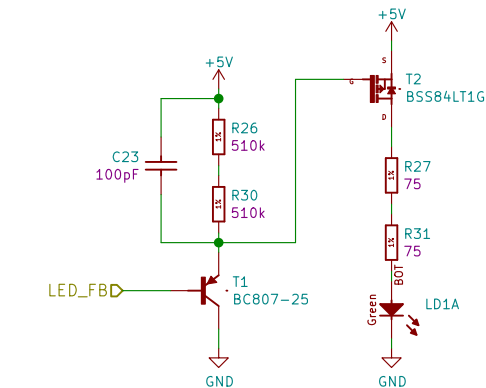
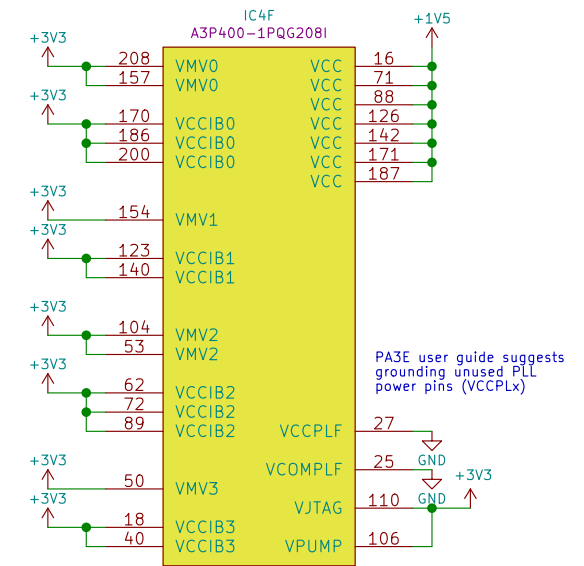
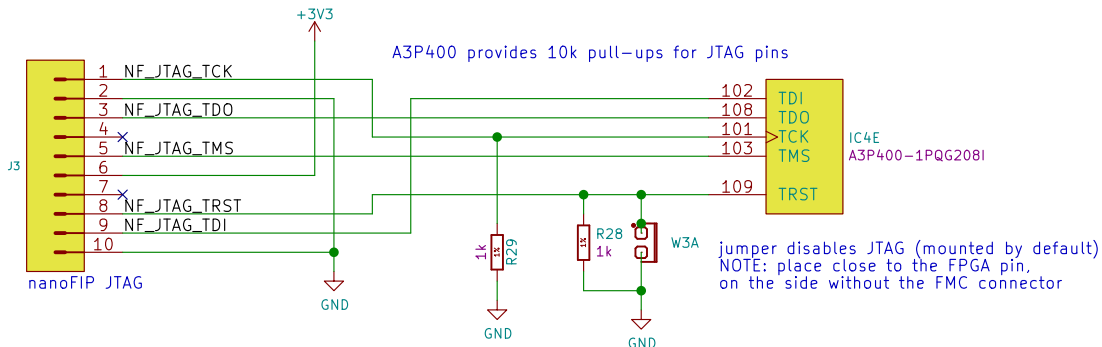
Sheet: /nanoFIP/
 File: nanofip.sch

Title: FMC-nanoFIP FPGA

Size: A4 Date: 2017-06-19
 KiCad E.D.A. kicad (2017-06-12 revision 19d5cc754)-master

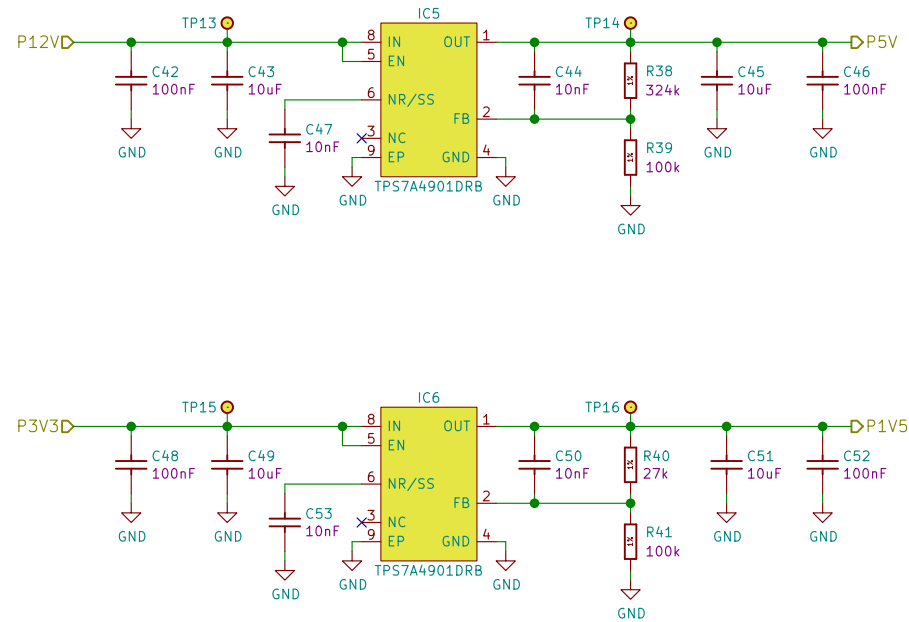
Rev: 4
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| Sheet: /Power, JTAG, LEDs/ | |
| File: nanofip_misc.sch | |
| Title: FMC-nanoFIP JTAG, power, LEDs | |
| Size: A4 | Date: 2017-06-19 |
| KiCad E.D.A. kicad (2017-06-12 revision 19d5cc754)-master | Rev: 4 |
| | Id: 4/7 |

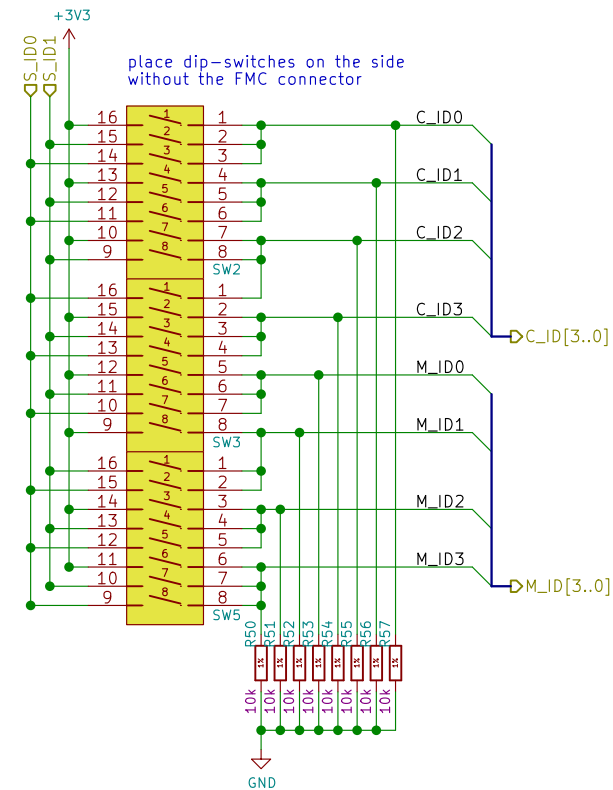
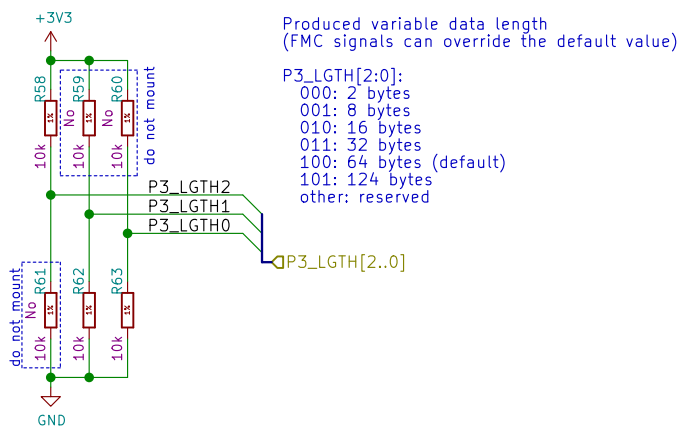
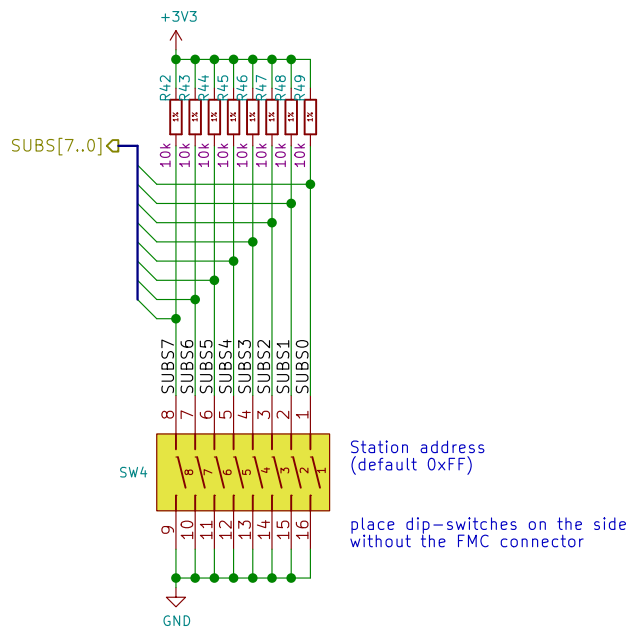
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| Sheet: /Power supply/ | |
| File: power.sch | |
| Title: FMC-nanoFIP power supply | |
| Size: A4 | Date: 2017-06-19 |
| KiCad E.D.A. kicad (2017-06-12 revision 19d5cc754)-master | Rev: 4 |
| | Id: 5/7 |

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Sheet: /nanoFIP settings/
 File: settings.sch

Title: FMC-nanoFIP settings

Size: A4 Date: 2017-06-19

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Rev: 4

Id: 6/7

nanoFIP bus speed

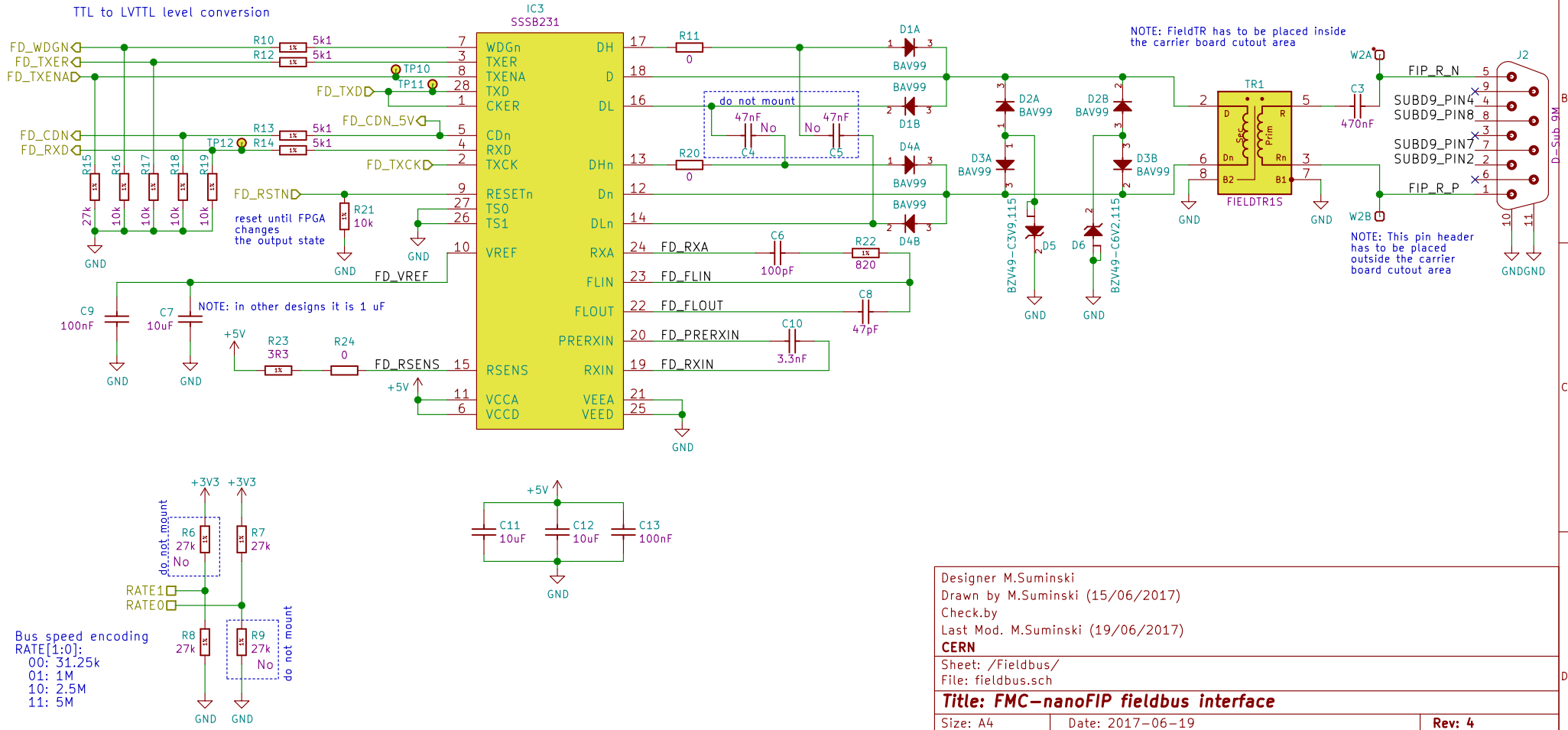
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| marking | 31.25k | 1M | 2.5M | 5M |
|----------|----------------|--------------|--------------|--------------|
| resistor | do_not_mount | do_not_mount | do_not_mount | do_not_mount |
| C3 | 3.3uF | 470nF | 100nF | 100nF |
| C10 | 100nF | 3.3nF | 1.5nF | 1.5nF |
| C8 | 1nF | 47pF | 27pF | 27pF |
| C6 | 15nF | 100pF | 33pF | 33pF |
| C4, C5 | 47nF | not mounted | not mounted | not mounted |
| D6 | BZV49-C8V2 | BZV49-C6V2 | BZV49-C6V2 | BZV49-C6V2 |
| D2, D3 | BAT54S | BAV99 | BAV99 | BAV99 |
| D5 | BZV49-C4V7 | BZV49-C3V9 | BZV49-C3V9 | BZV49-C3V9 |
| R24 | 3R3 | 0R | 0R | 0R |
| R22 | 330R | 820R | 820R | 820R |
| R6 | not mounted | not mounted | 27k | 27k |
| R7 | not mounted | 27k | not mounted | 27k |
| R8 | 27k | not mounted | not mounted | not mounted |
| R9 | 27k | not mounted | 27k | not mounted |
| TR1 | FIELDTR_31.25S | FIELDTR_1S | FIELDTR_2.5S | FIELDTR_5S |

selected variant

NOTE: place a label indicating bus speed next to the marking resistors



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| Sheet: /Fieldbus/ | |
| File: fieldbus.sch | |
| Title: FMC-nanoFIP fieldbus interface | |
| Size: A4 | Date: 2017-06-19 |
| KiCad E.D.A. kicad (2017-06-12 revision 19d5cc754)-master | Rev: 4 |
| | Id: 7/7 |