

A

A

B

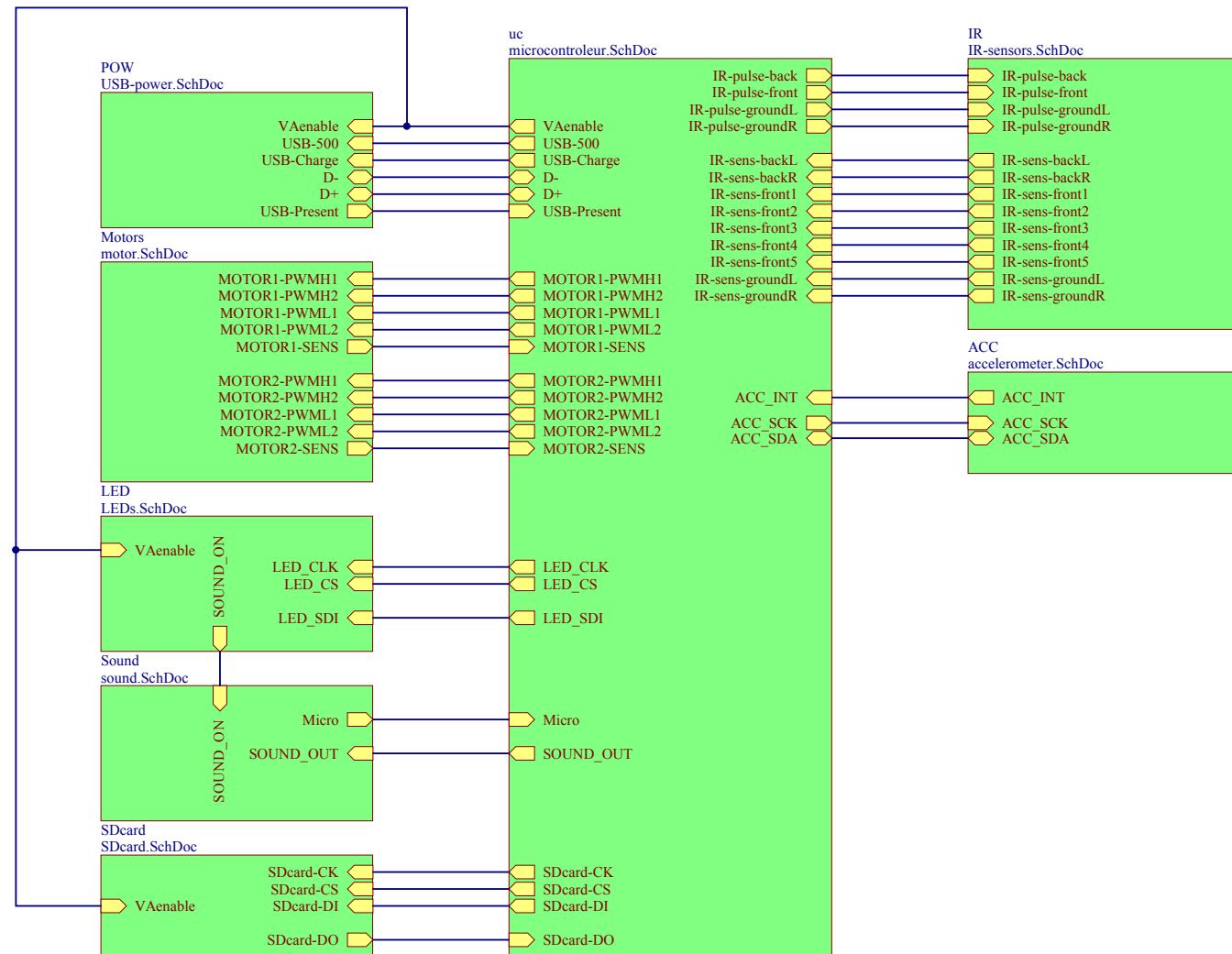
B

C

C

D

D

Project **thymio2-main.PnjPCB**Part **Thymio2  
PCB principal**Date:  
26.02.2011  
20:49:10Michael Bonani  
STI-IMT-LSRO1  
EPFL  
CH-1015 LAUSANNE

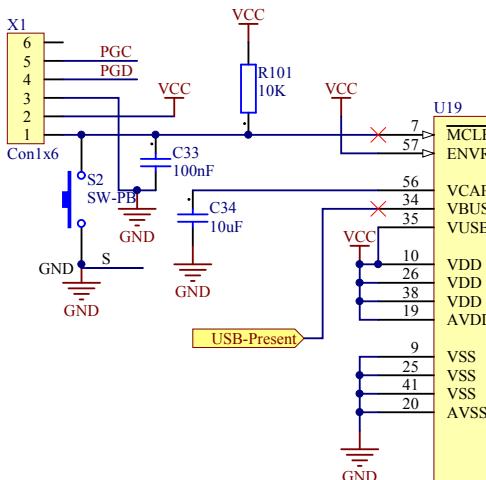
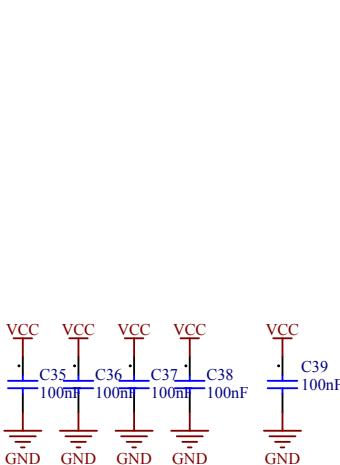
ÉCOLE POLYTECHNIQUE

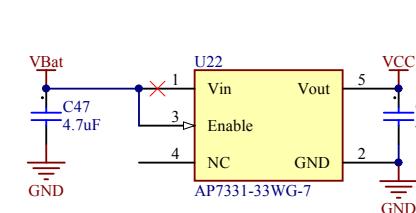
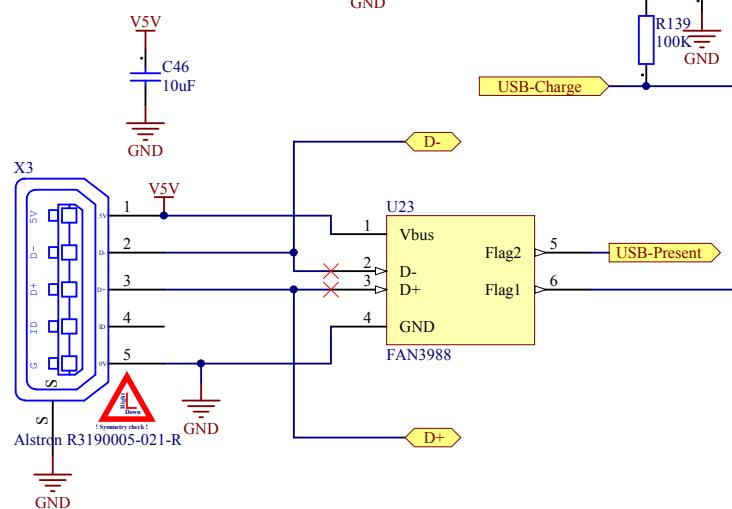
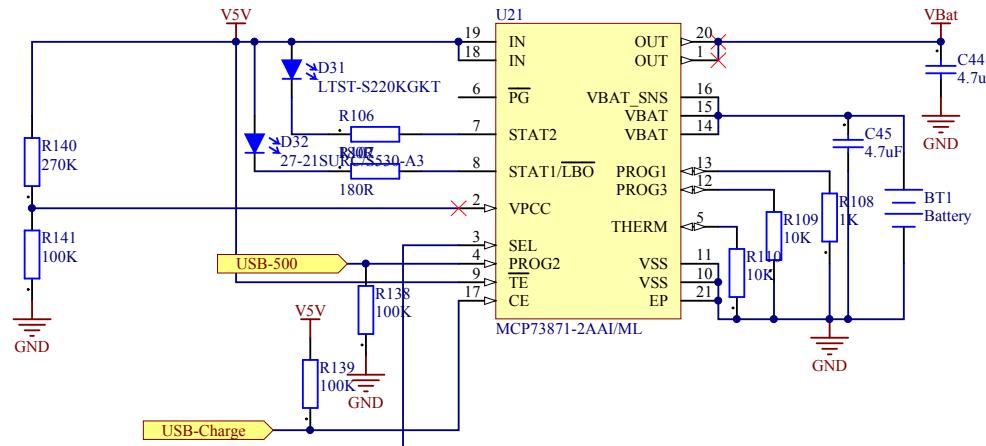
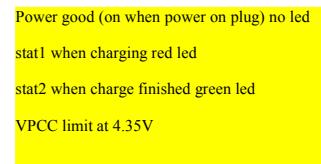
FÉDÉRALE DE LAUSANNE

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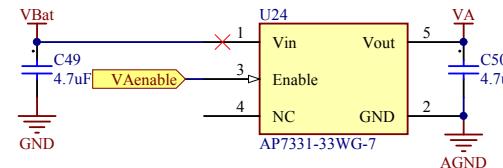
File : **thymio2-main.SchDoc**

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300mA max  
1x pic24F = 24 mA  
13x led 20mA = 260mA  
1 MMA7660 = 47uA  
3 shift register 160uA = 0.48mA



AGND : Analog Ground      GND : Logical Ground

```

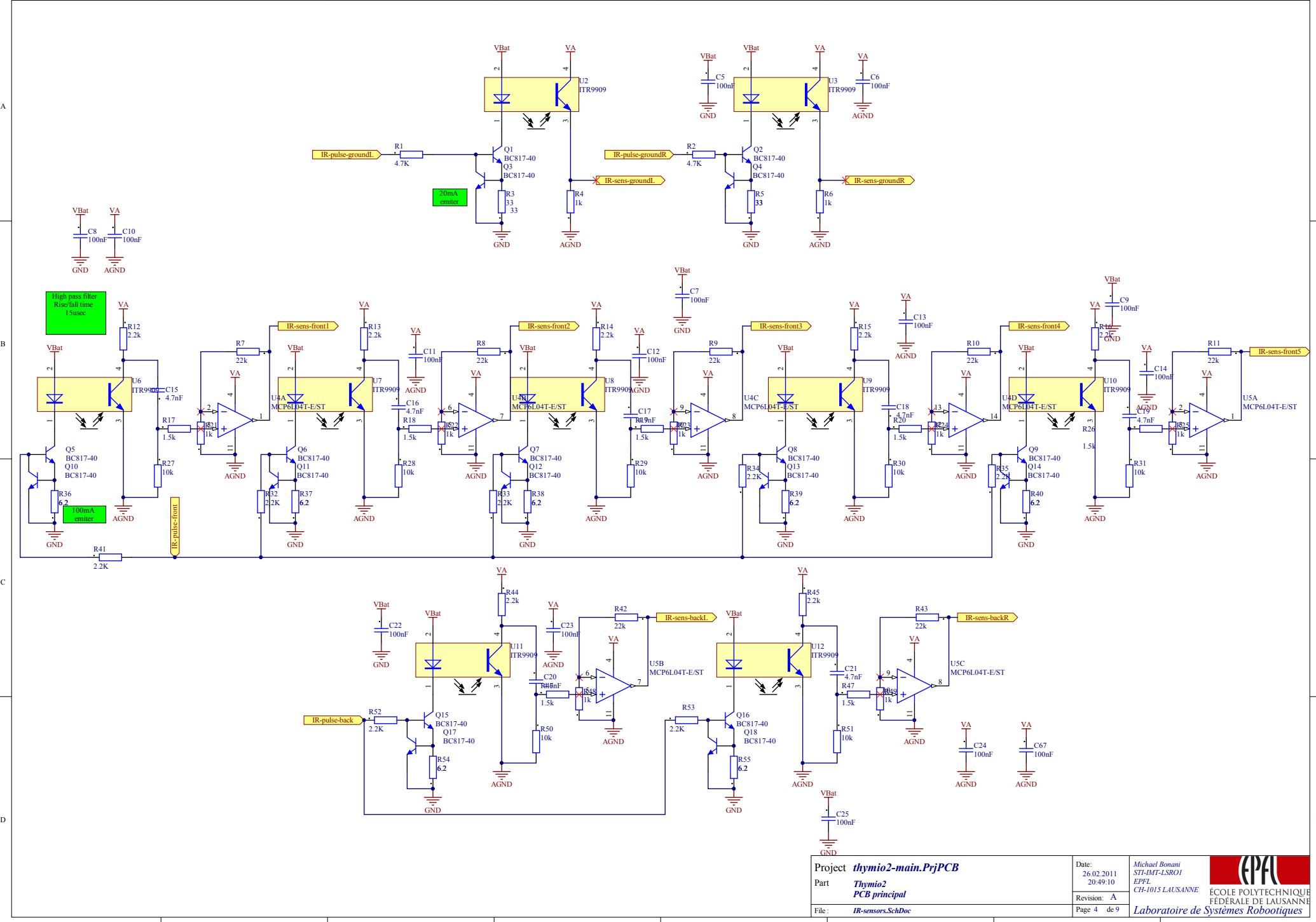
    graph LR
        AGND --- XS1((XS1))
        GND --- XS1
        SC2((SC2)) --- XS1
    
```

Project ***thymio2-main.Pcb***  
Part      ***Thymio2***  
             ***PCB principal***  
File :     ***USB-power.SchDoc***

Michael Bonani  
STI-IMT-LSROI  
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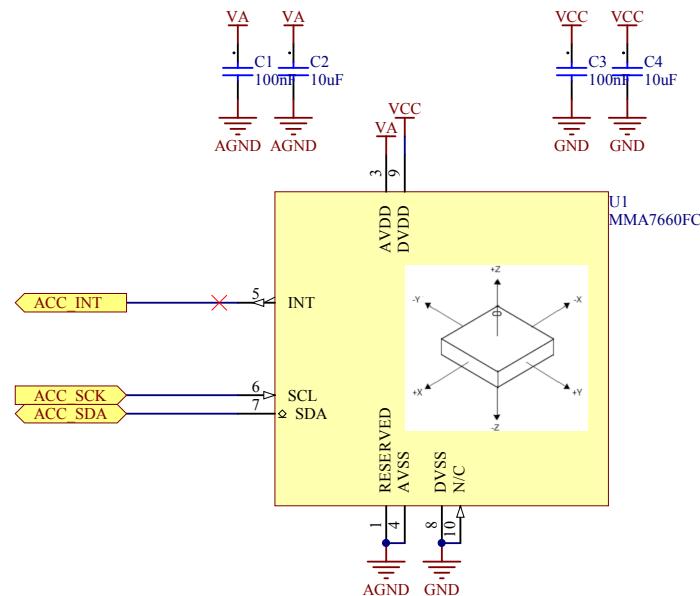


**A** CH-1015 LAUSANNE ÉCOLE POLYTECHNIQUE  
de 9 FÉDÉRALE DE LAUSANNE  
*Laboratoire de Systèmes Robotiques*



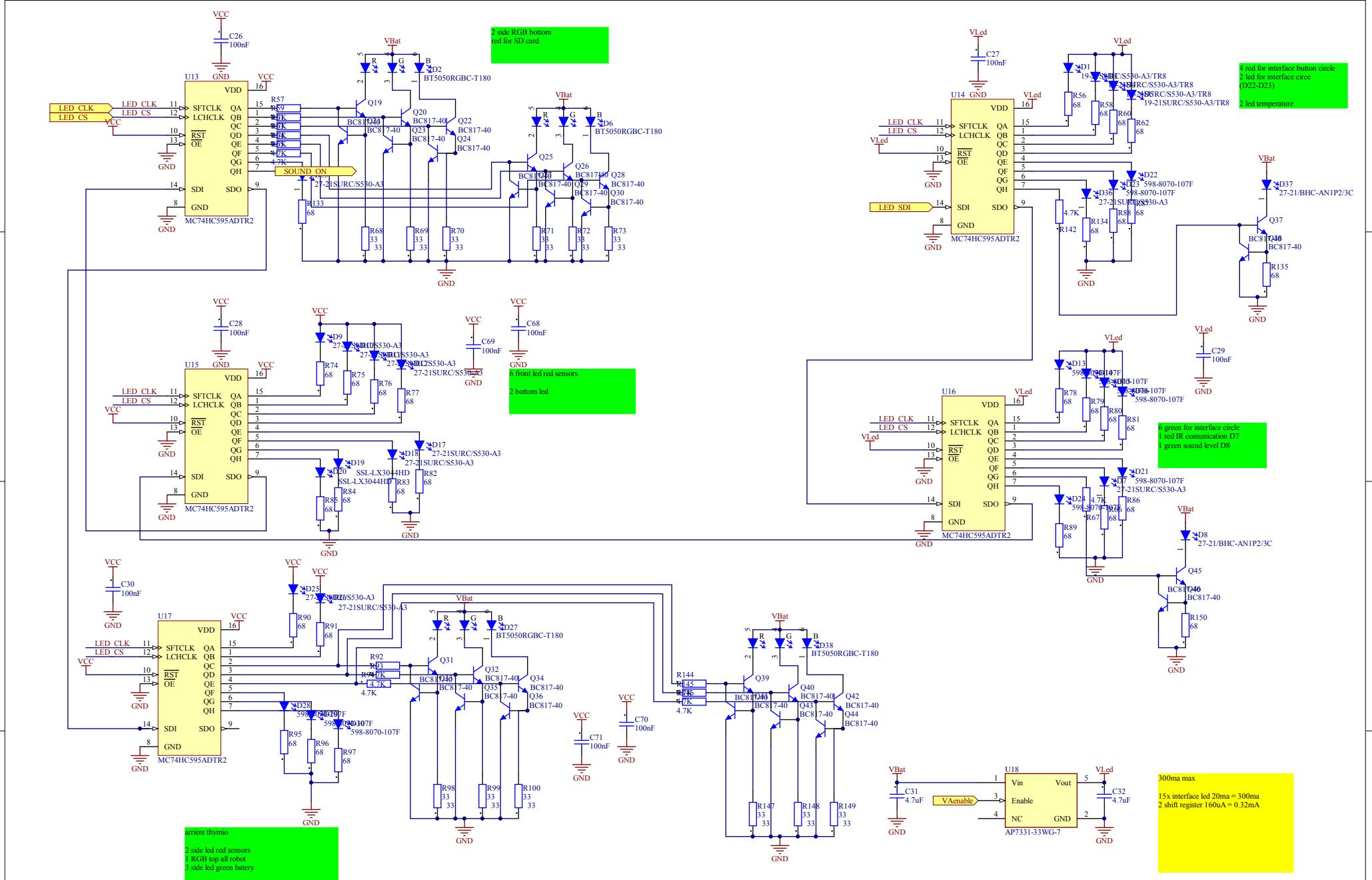
A

A

Project *thymio2-main.PrjPCB*Part *Thymio2  
PCB principal*File : *accelerometer.SchDoc*Date:  
26.02.2011  
20:49:10Michael Bonani  
STI-IMT-LSRO1  
EPFL  
\*

\*





Project **thymio2-main.PrjPCB**  
 Part **Thymio2**  
**PCB principal**  
 File : **LEDs.SchDoc**

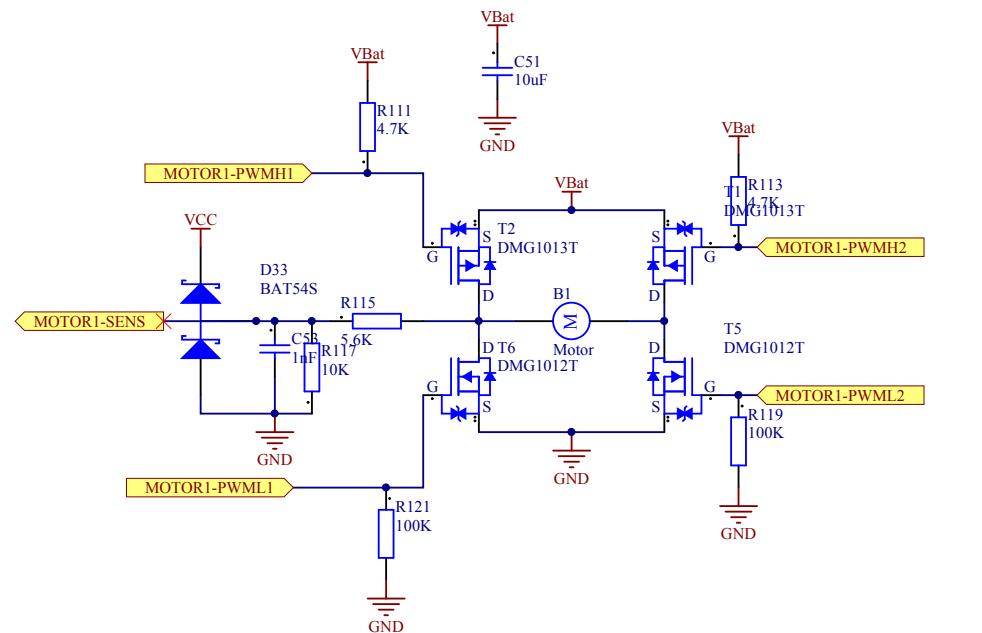
Date: 26.02.2011  
 20:49:11  
 Michael Bonani  
 STI-JMT-LSROJ  
 EPFL  
 \*  
 Revision: \*  
 Page 6 de 9



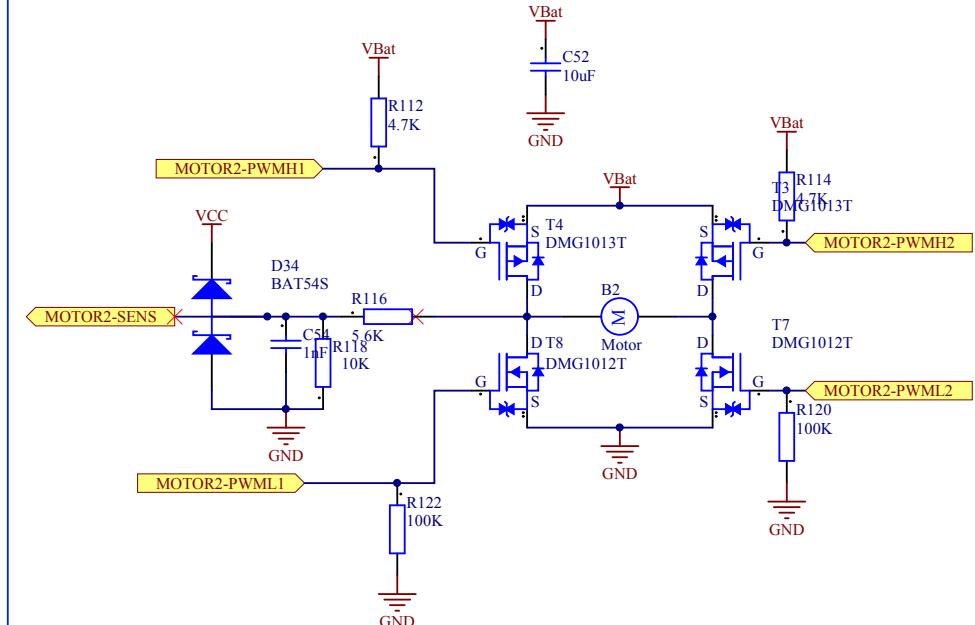
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A

## Motor Left



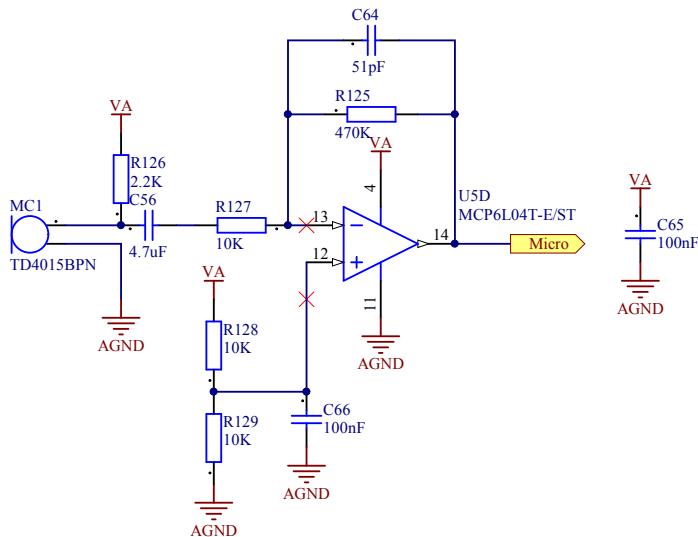
## Motor Right



D

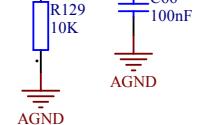
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A



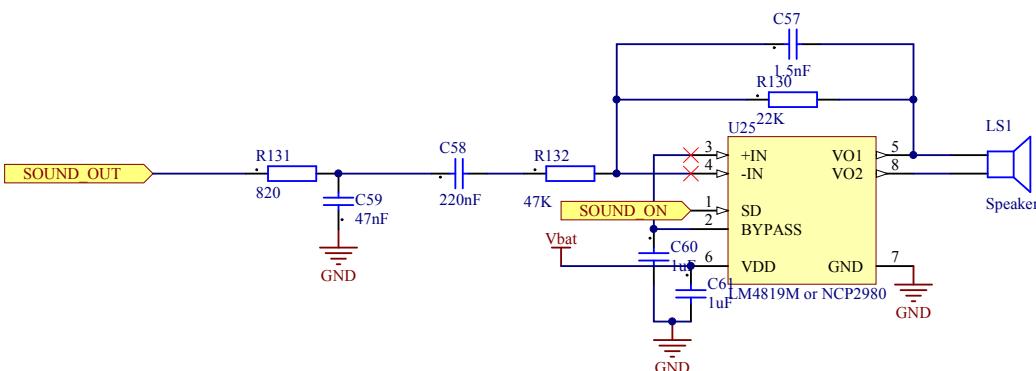
A

B



B

C



C

D

Project *thymio2-main.PrjPCB*Part  
Line 1 of project part  
Line 2 of project part

File : sound.SchDoc

Date:  
26.02.2011  
20:49:11Daniel Burnier  
STI-IMT-LSRO1  
EPFL  
CH-1015 LAUSANNE

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FÉDÉRALE DE LAUSANNE

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A

A

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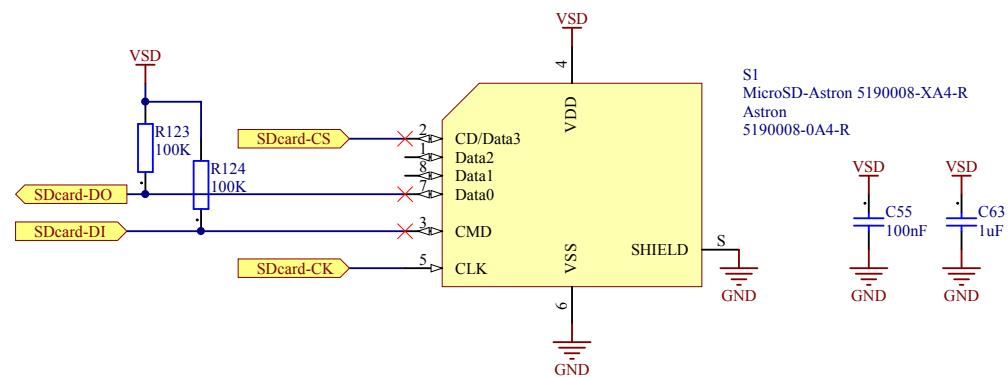
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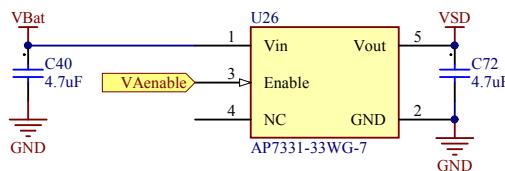
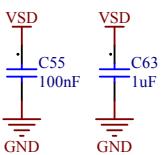
C

D

D



S1  
MicroSD-Astron 5190008-XA4-R  
Astron  
5190008-0A4-R



Project *thymio2-main.PrjPCB*

Part *Line 1 of project part*  
*Line 2 of project part*

File : *SDcard.SchDoc*

Date:  
26.02.2011  
20:49:11

Daniel Burnier  
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