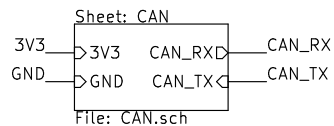
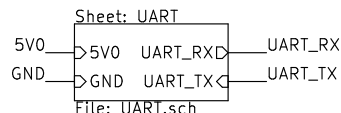


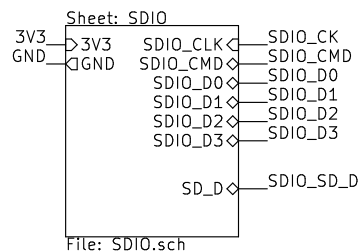
CAN



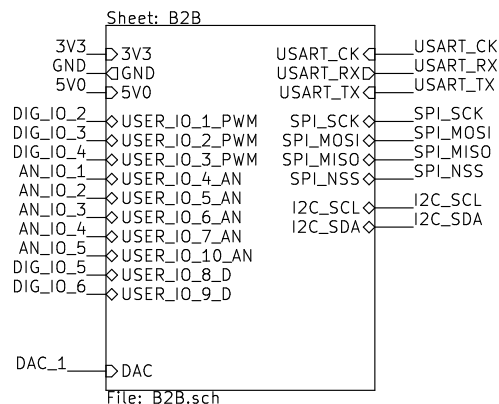
UART



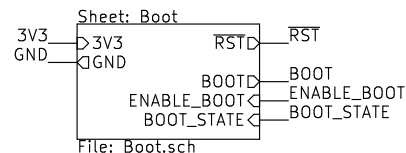
SDIO (uSD)



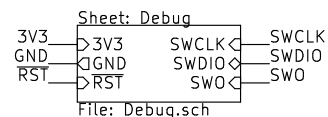
B2B



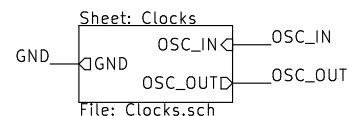
Boot & Reset



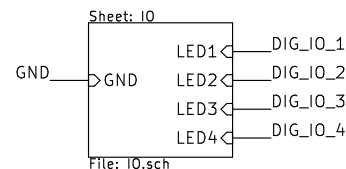
Debug



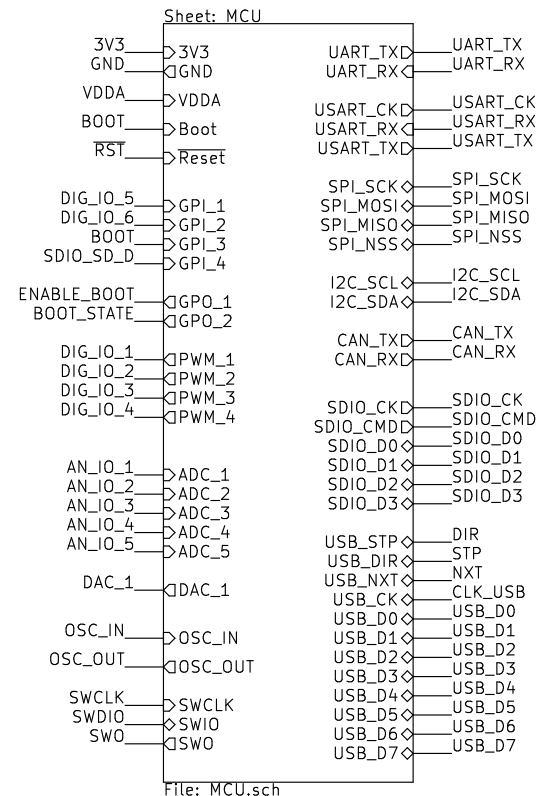
External Clocks



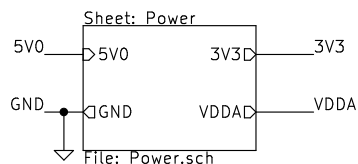
IO



MCU



Power Supply



Kodillo compatible
<https://github.com/javifercep/Noodleboard>
<http://javisfryingchips.com/portfolio/detail/noodleboard/>

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Sheet: /
File: Noodleboard.sch

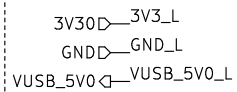
Title: Noodleboard

Size: A4 Date: 2015-10-03
KiCad E.D.A. kicad 4.0.0-rc1-stable

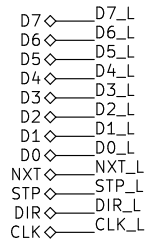
Rev: 1.0.0
Id: 1/12

USB_High_Speed

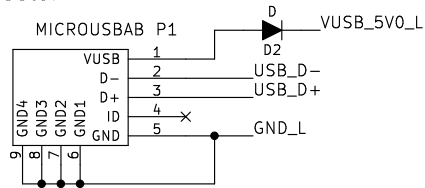
Power supply



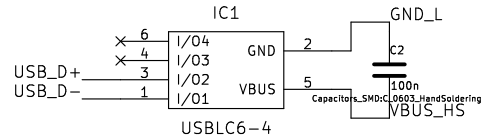
USB MCU Interface



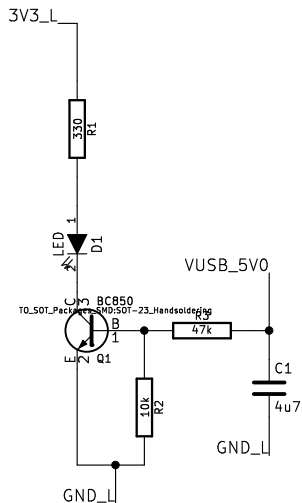
Connector



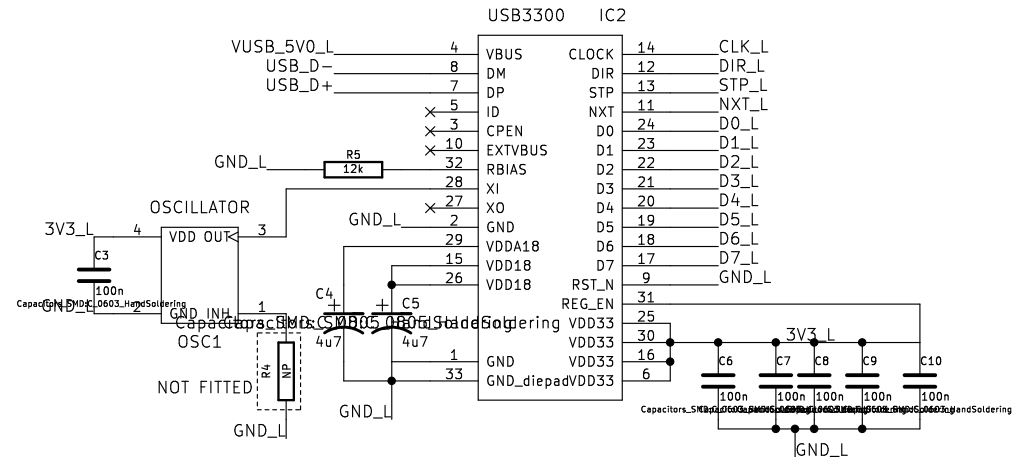
ESD protection



Power signaling



USB ULPI



Kodillo compatible
<https://github.com/javifercep/Noodleboard>

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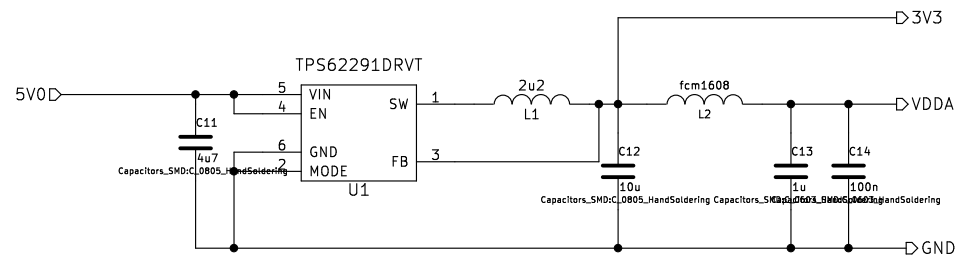
Sheet: /USB/
File: USB.sch

Title: Noodleboard

Size: A4 Date: 2015-10-03
KiCad E.D.A. kicad 4.0.0-rc1-stable

Rev: 1.0.0
Id: 2/12

Power



Kodillo compatible
<https://github.com/javifercep/Noodleboard>

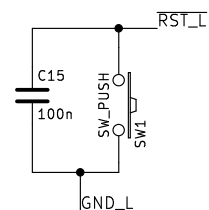
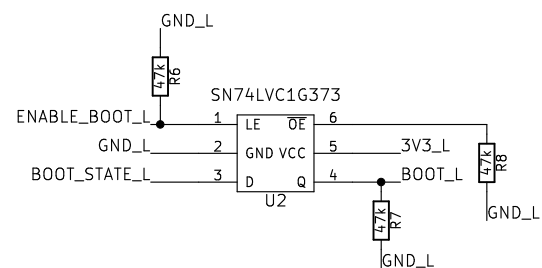
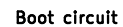
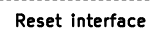
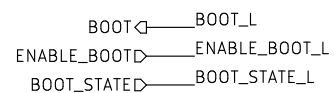
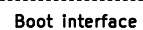
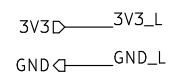
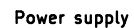
Javier Fernández Cepeda

Sheet: /Power/
 File: Power.sch

Title: Noodleboard

Size: A4 Date: 2015-10-03
 KiCad E.D.A. kicad 4.0.0-rc1-stable

Rev: 1.0.0
 Id: 3/12



Kodillo compatible
<https://github.com/javifercep/Noodleboard>

Javier Fernández Cepeda

Sheet: /Boot/

File: Boot.sch

Title: Noodleboard

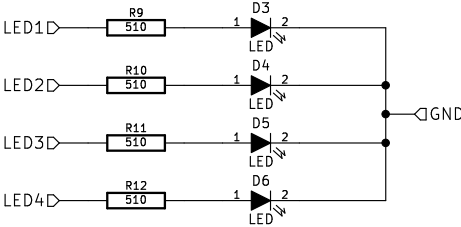
Size: A4	Date: 2015-10-03
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Size: 1.1 MB	Date: 2018-10-08
KiCad E.D.A.	kicad 4.0.0-rc1-stable

Rev: 1.0.0

Id: 4/12

On board LEDs



Kodillo compatible
<https://github.com/javifercep/Noodleboard>

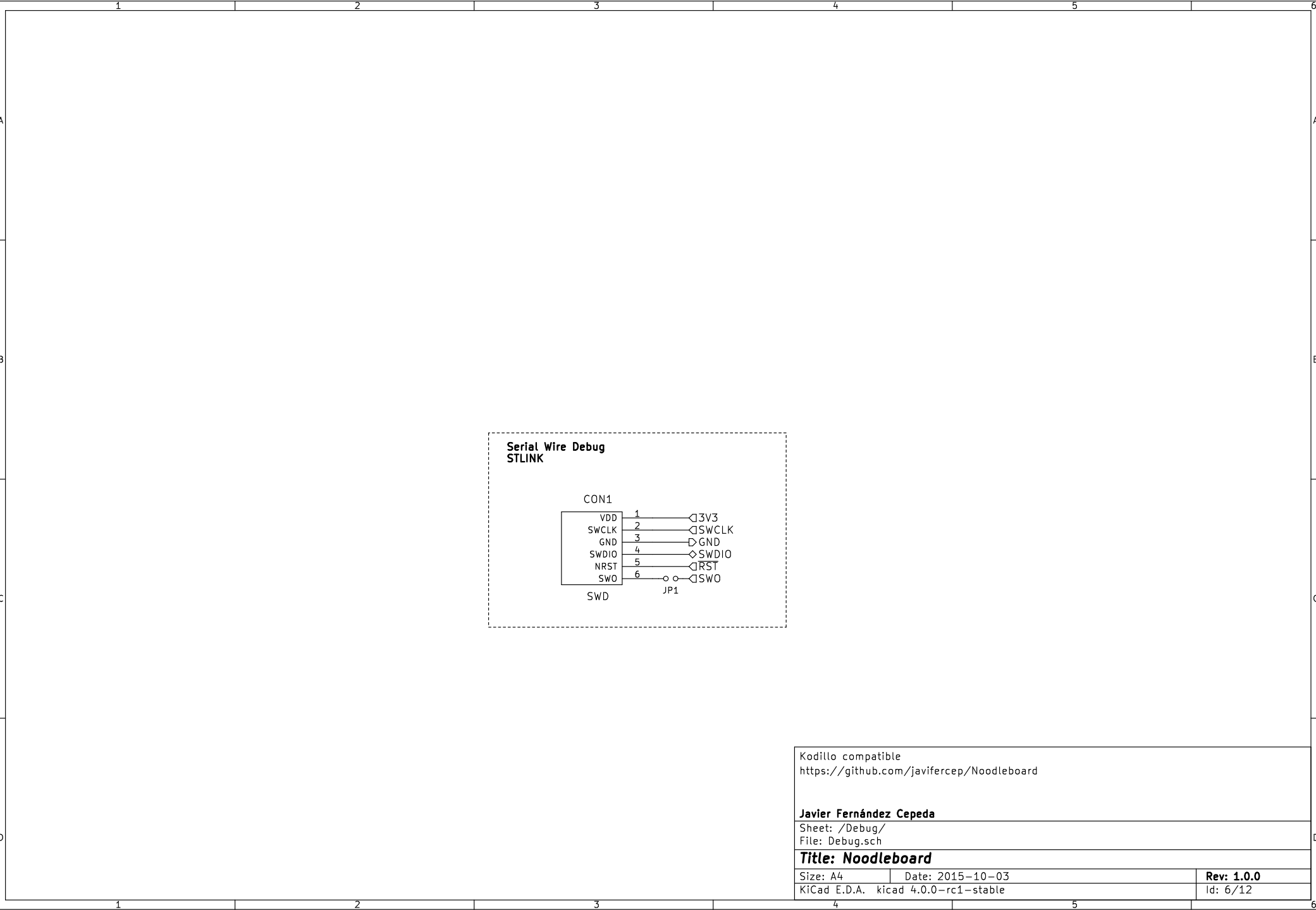
Javier Fernández Cepeda

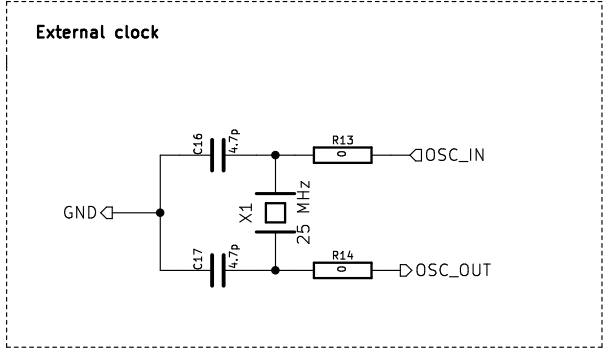
Sheet: /IO/
File: IO.sch

Title: Noodleboard

Size: A4
Date: 2015-10-03
KiCad E.D.A. kicad 4.0.0-rc1-stable

Rev: 1.0.0
Id: 5/12





Kodillo compatible
<https://github.com/javifercep/Noodleboard>

Javier Fernández Cepeda

Sheet: /Clocks/
File: Clocks.sch

Title: Noodleboard

Size: A4 Date: 2015-10-03
KiCad E.D.A. kicad 4.0.0-rc1-stable

Rev: 1.0.0
Id: 7/12



Kodillo compatible
<https://github.com/javifercep/Noodleboard>

Javier Fernández Cepeda

Sheet: /CAN/

File: CAN.sch

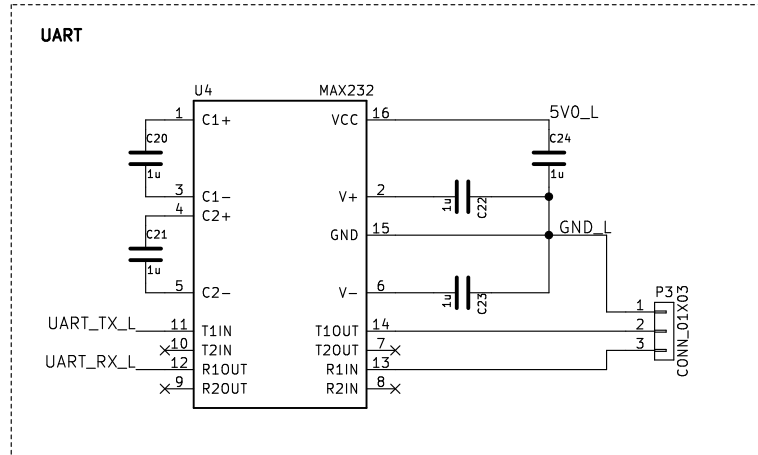
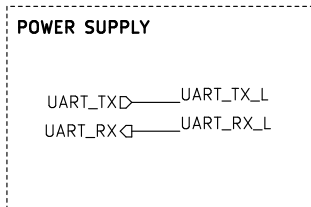
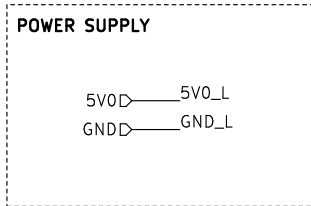
Title: Noodleboard

Size: A4	Date: 2015-10-03
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Size: A4	Date: 2015-10-05
KiCad E.D.A.	kicad 4.0.0-rc1-stable

Rev: 1.0.0

Id: 8/12



Kodillo compatible
<https://github.com/javifercep/Noodleboard>

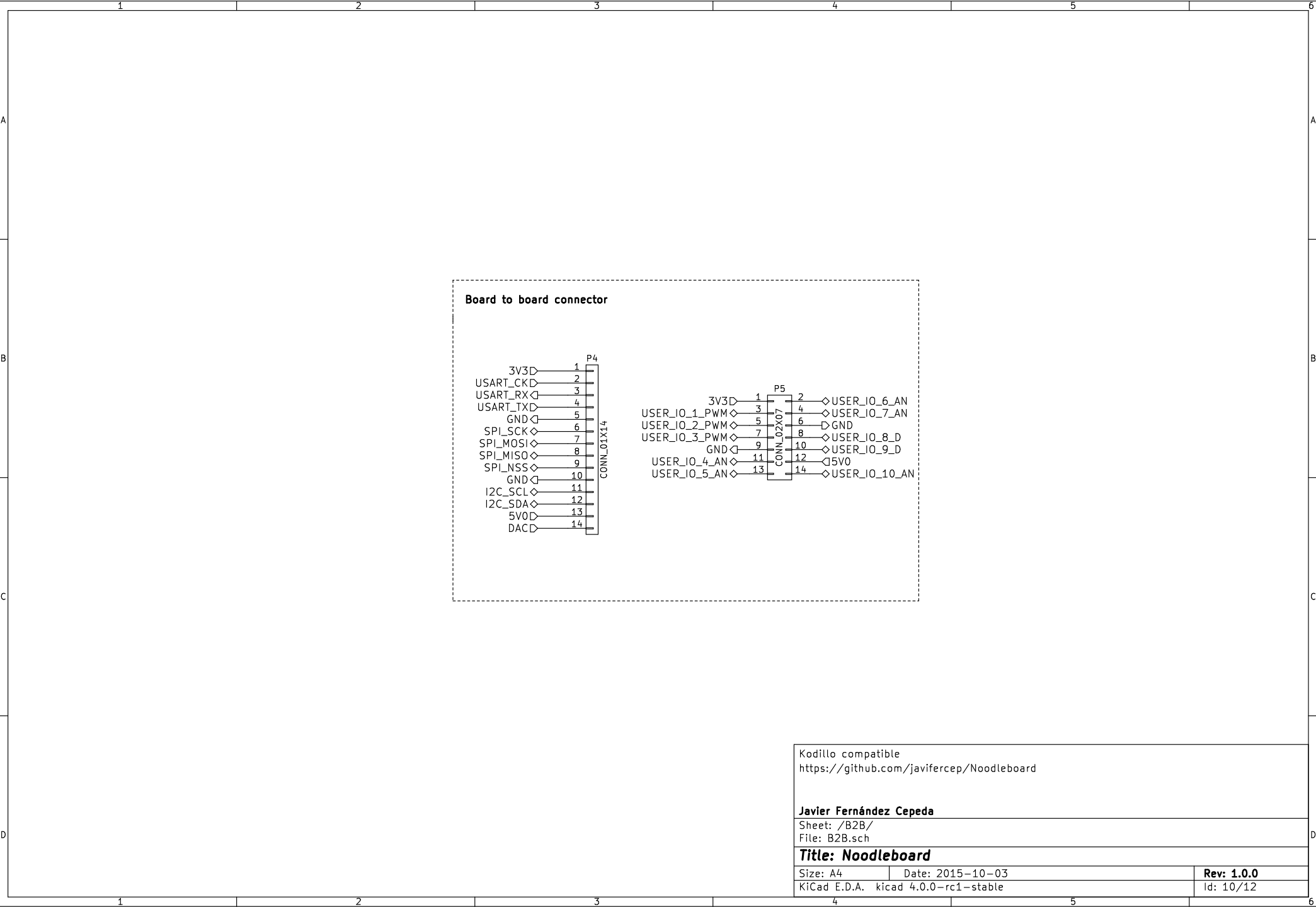
Javier Fernández Cepeda

Sheet: /UART/
File: UART.sch

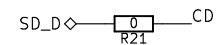
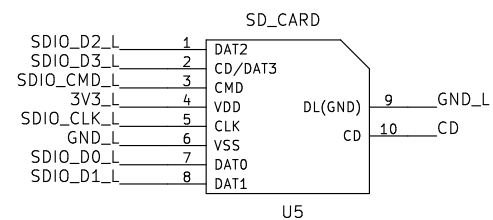
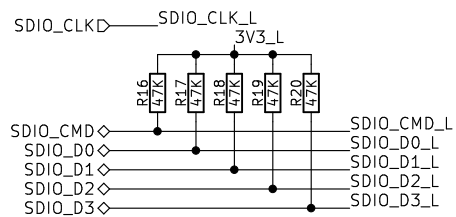
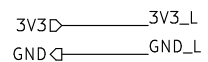
Title: Noodleboard

Size: A4
Date: 2015-10-03
KiCad E.D.A. kicad 4.0.0-rc1-stable

Rev: 1.0.0
Id: 9/12



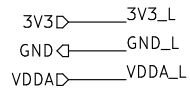
Kodillo compatible https://github.com/javifercep/Noodleboard		
Javier Fernández Cepeda		
Sheet: /B2B/ File: B2B.sch		
Title: Noodleboard		
Size: A4	Date: 2015-10-03	Rev: 1.0.0
KiCad E.D.A. kicad 4.0.0-rc1-stable		Id: 10/12



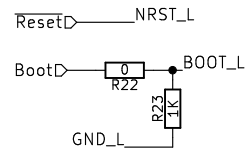
Id: 11/12

MCU: STM32F405RG / STM32F105

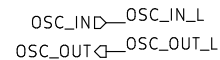
Power inputs



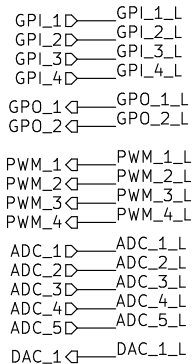
Reset & boot



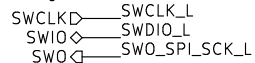
External Clock



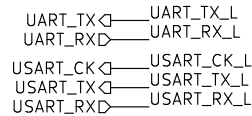
IO



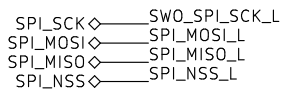
Debug



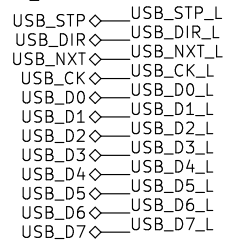
UART & USART



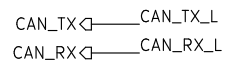
SPI



USB_HS



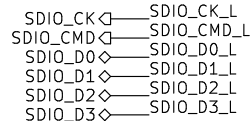
CAN



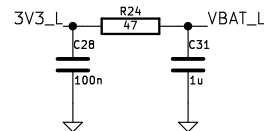
I2C



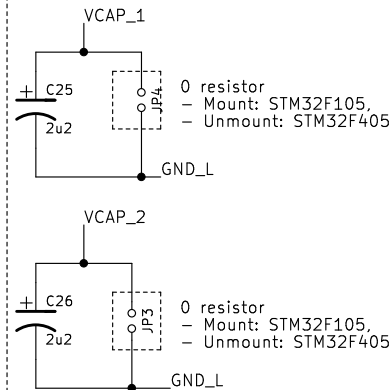
SDIO



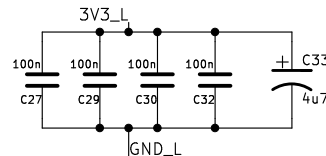
VBAT stabilization



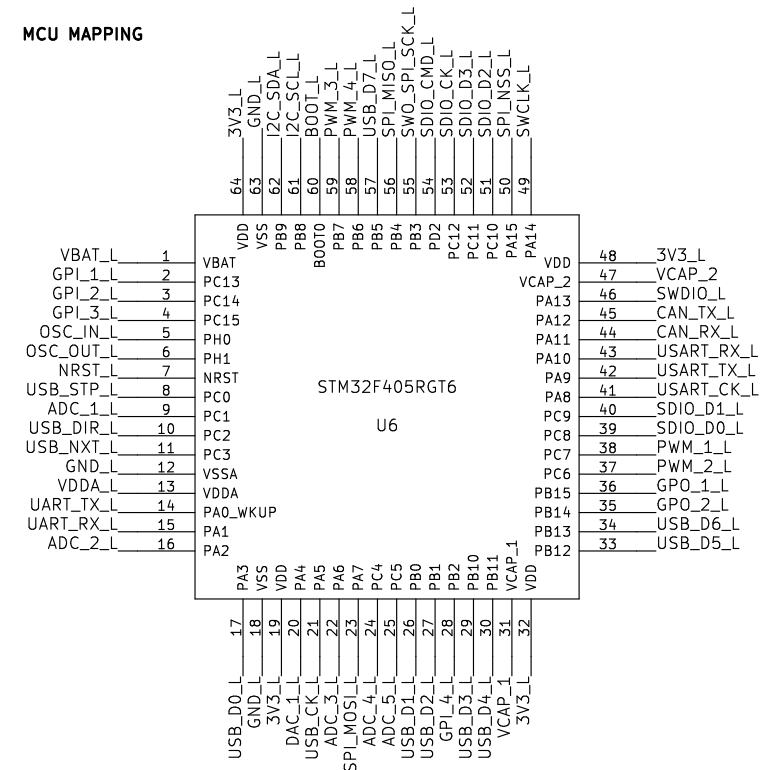
Power scheme adaptor STM32F105/STM32F405



Decoupling capacitors



MCU MAPPING



Kodillo compatible
<https://github.com/javifercep/Noodleboard>

Javier Fernández Cepeda

Sheet: /MCU/
File: MCU.sch

Title: Noodleboard

Size: A4
Date: 2015-10-03
KiCad E.D.A. kicad 4.0.0-rc1-stable

Rev: 1.0.0
Id: 12/12