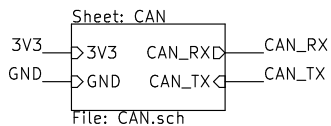
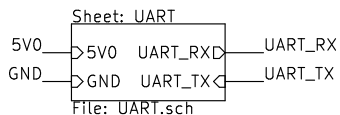


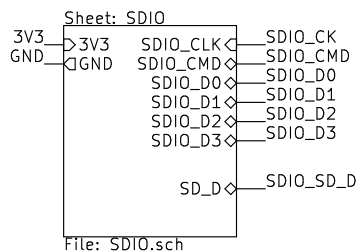
## CAN



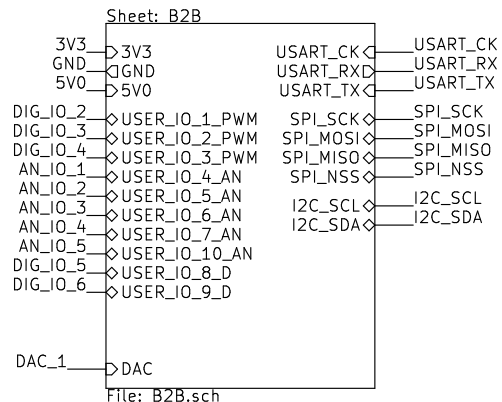
## UART



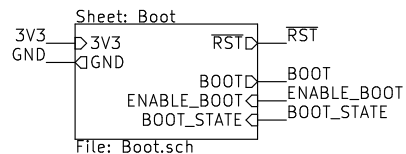
## SDIO (uSD)



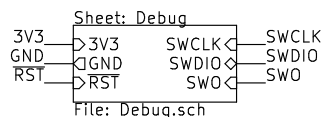
## B2B



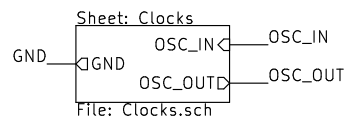
## Boot & Reset



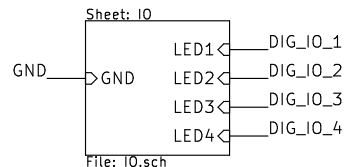
## Debug



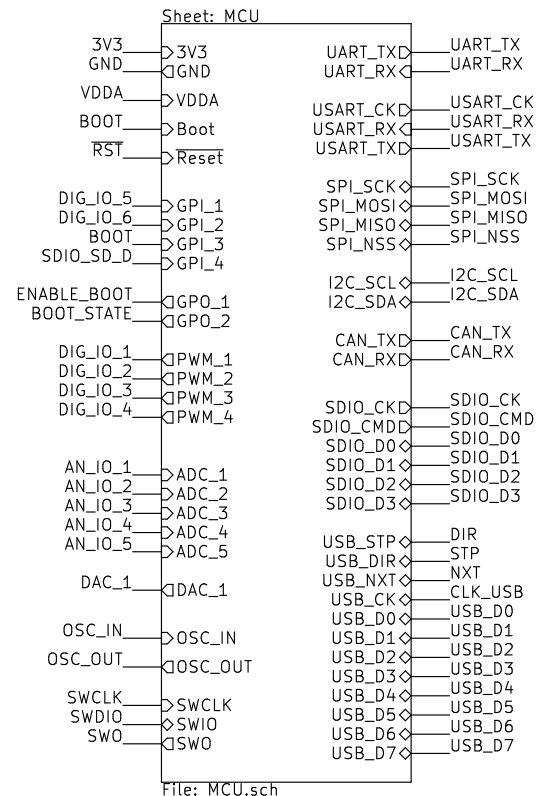
## External Clocks



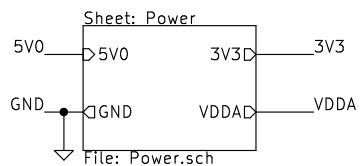
## IO



## MCU



## Power Supply



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

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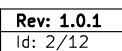
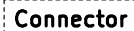
Sheet: /  
File: Noodleboard.sch

**Title: Noodleboard**

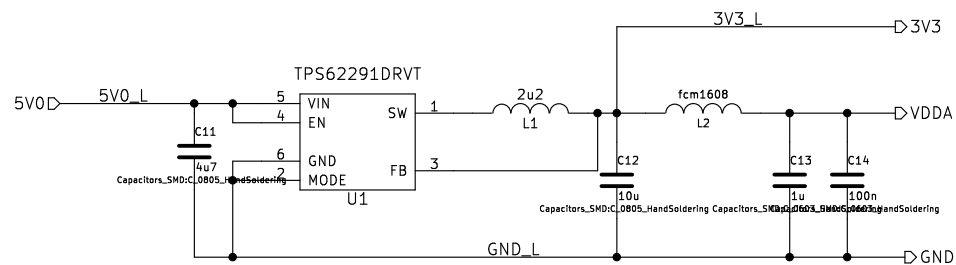
Size: A4 Date: 2015-11-08  
KiCad E.D.A. kicad 4.0.0-rc1-stable

**Rev: 1.0.1**  
Id: 1/12

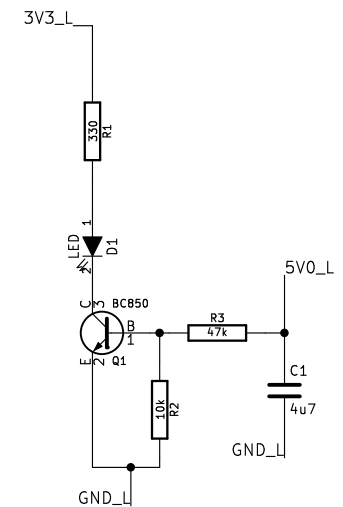
### Power supply



## Power



## Power signaling



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

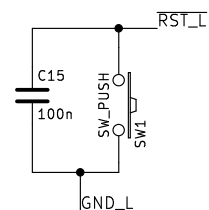
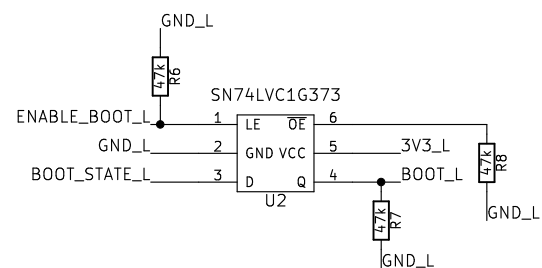
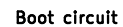
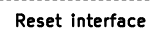
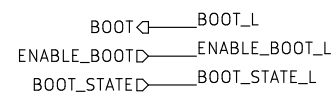
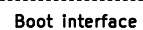
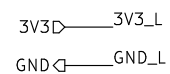
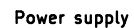
**Javier Fernández Cepeda**

Sheet: /Power/  
 File: Power.sch

**Title: Noodleboard**

Size: A4 Date: 2015-11-08  
 KiCad E.D.A. kicad 4.0.0-rc1-stable

**Rev: 1.0.1**  
 Id: 3/12



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

**Javier Fernández Cepeda**

Sheet: /Boot/

File: Boot.sch

<b>Title:</b> Noodleboard
---------------------------

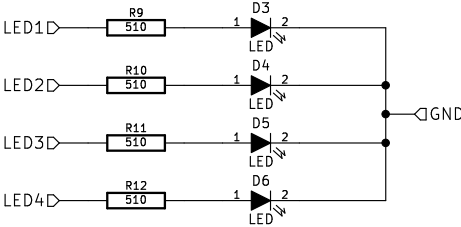
Size: A4	Date: 2015-11-08
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Size: A4	Date: 2019-11-08
KiCad E.D.A.	kicad 4.0.0-rc1-stable

Rev: 1.0.1
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Id: 4/12

### On board LEDs



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

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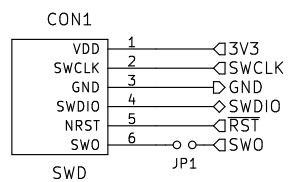
Sheet: /IO/  
File: IO.sch

**Title: Noodleboard**

Size: A4 Date: 2015-11-08  
KiCad E.D.A. kicad 4.0.0-rc1-stable

**Rev: 1.0.1**  
Id: 5/12

Serial Wire Debug  
STLINK



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

**Javier Fernández Cepeda**

Sheet: /Debug/

File: Debug.sch

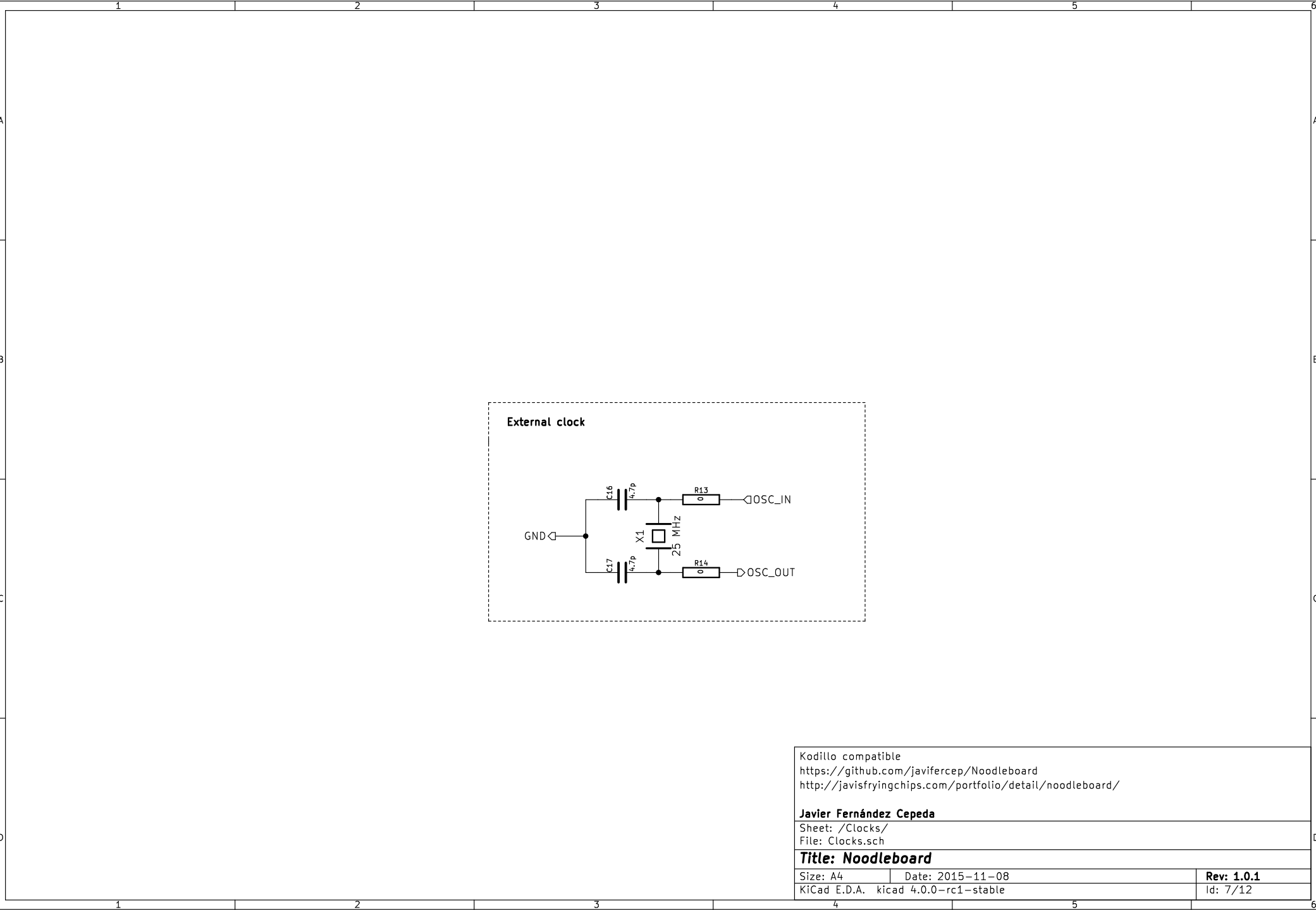
**Title: Noodleboard**

Size: A4 Date: 2015-11-08

KiCad E.D.A. kicad 4.0.0-rc1-stable

**Rev: 1.0.1**

Id: 6/12





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

**Javier Fernández Cepeda**

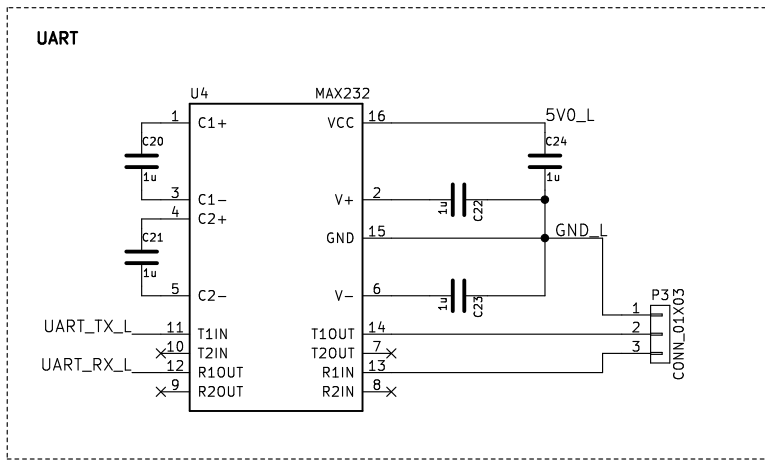
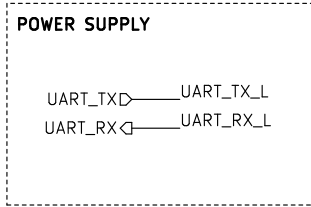
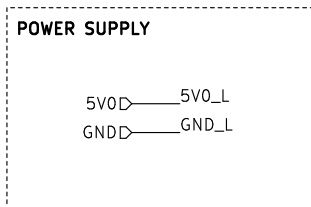
Sheet: /CAN/  
File: CAN.sch

**Title: Noodleboard**

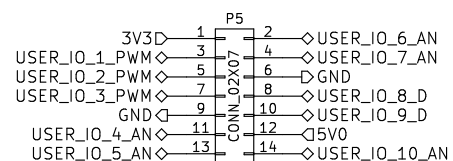
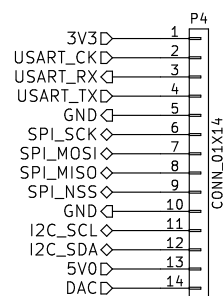
Size: A4	Date: 2015-11-08
KiCad E.D.A. kicad 4.0.0-rc1-stable	

Rev: 1.0.1
Id: 8/12





### Board to board connector



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

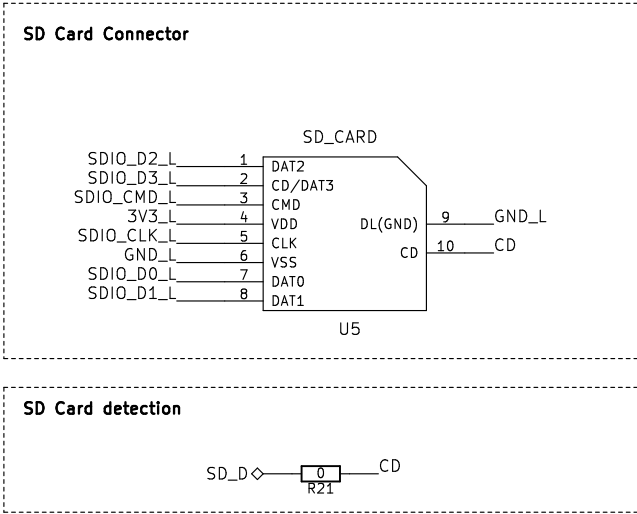
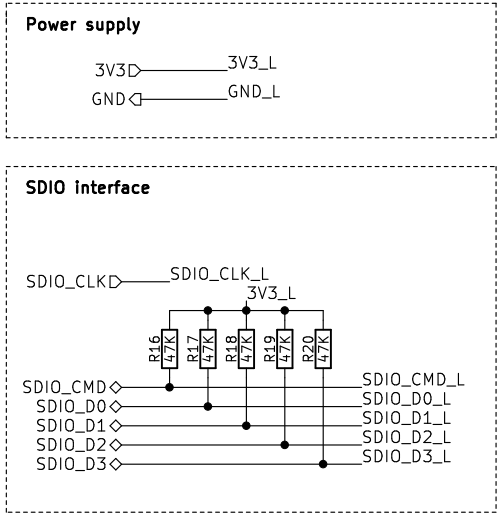
**Javier Fernández Cepeda**

Sheet: /B2B/  
 File: B2B.sch

**Title: Noodleboard**

Size: A4 Date: 2015-11-08  
 KiCad E.D.A. kicad 4.0.0-rc1-stable

**Rev: 1.0.1**  
 Id: 10/12



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

**Javier Fernández Cepeda**

Sheet: /SDIO/  
File: SDIO.sch

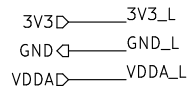
**Title: Noodleboard**

Size: A4 Date: 2015-11-08  
KiCad E.D.A. kicad 4.0.0-rc1-stable

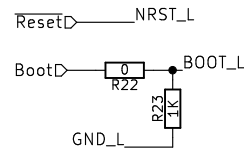
**Rev: 1.0.1**  
Id: 11/12

# MCU: STM32F405RG / STM32F105

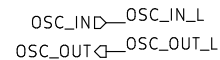
## Power inputs



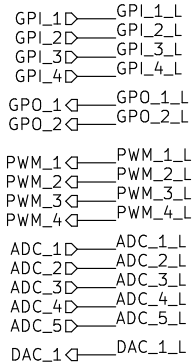
## Reset & boot



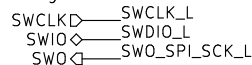
## External Clock



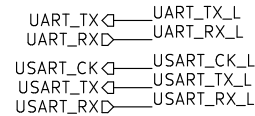
## IO



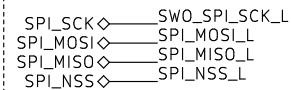
## Debug



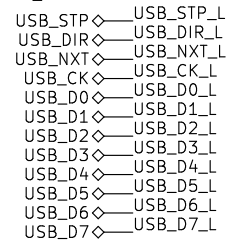
## UART & USART



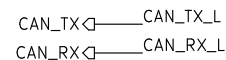
## SPI



## USB\_HS



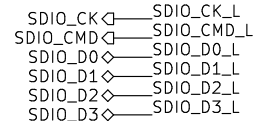
## CAN



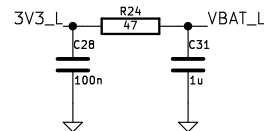
## I2C



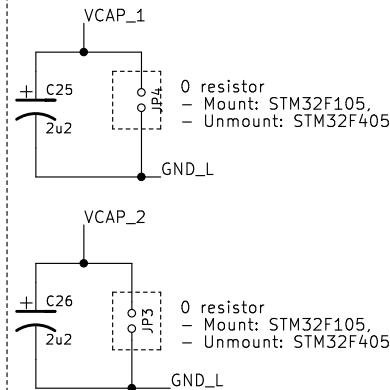
## SDIO



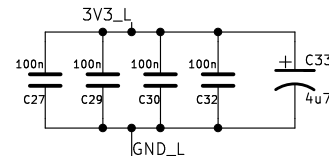
## VBAT stabilization



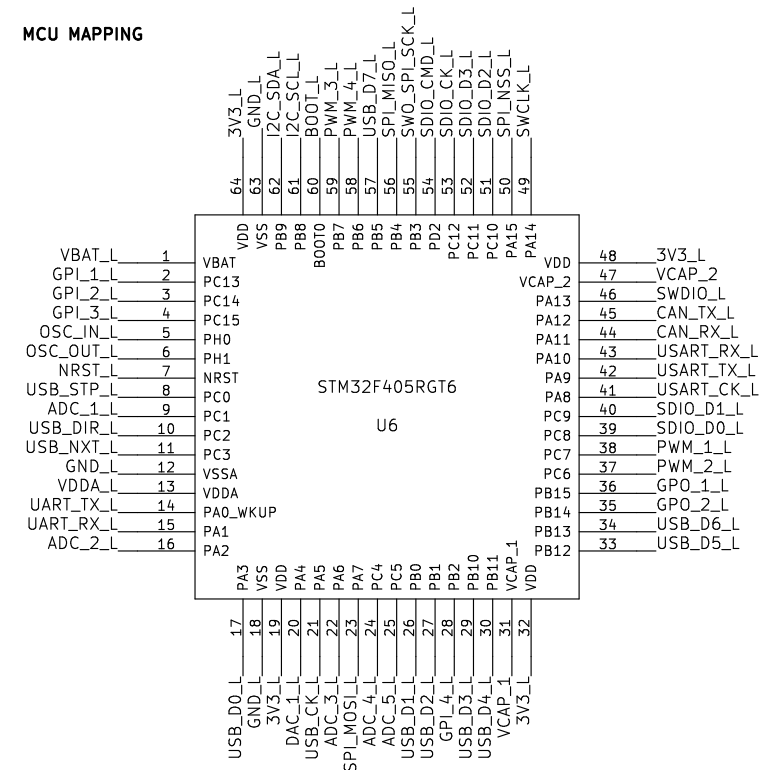
## Power scheme adaptor STM32F105/STM32F405



## Decoupling capacitors



## MCU MAPPING



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

**Javier Fernández Cepeda**

Sheet: /MCU/  
File: MCU.sch

**Title: Noodleboard**

Size: A4  
KiCad E.D.A. kicad 4.0.0-rc1-stable

Date: 2015-11-08

Rev: 1.0.1  
Id: 12/12