

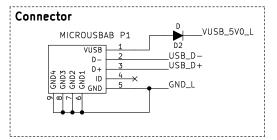
USB_High_Speed

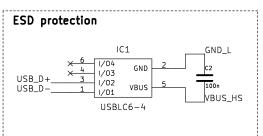
Power supply

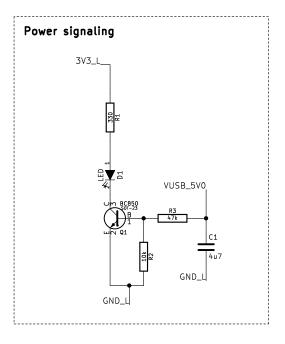
3V30D—3V3_L GNDD—GND_L VUSB_5V0⟨—VUSB_5V0_L

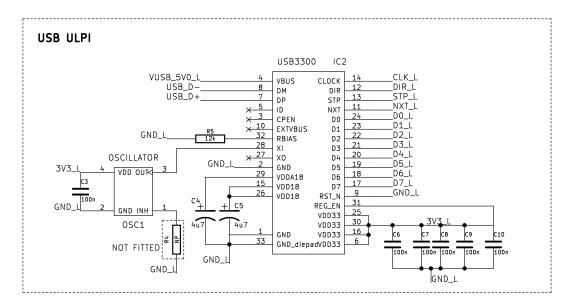
USB MCU Interface

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$









Kodillo compatible

https://github.com/javifercep/Noodleboard

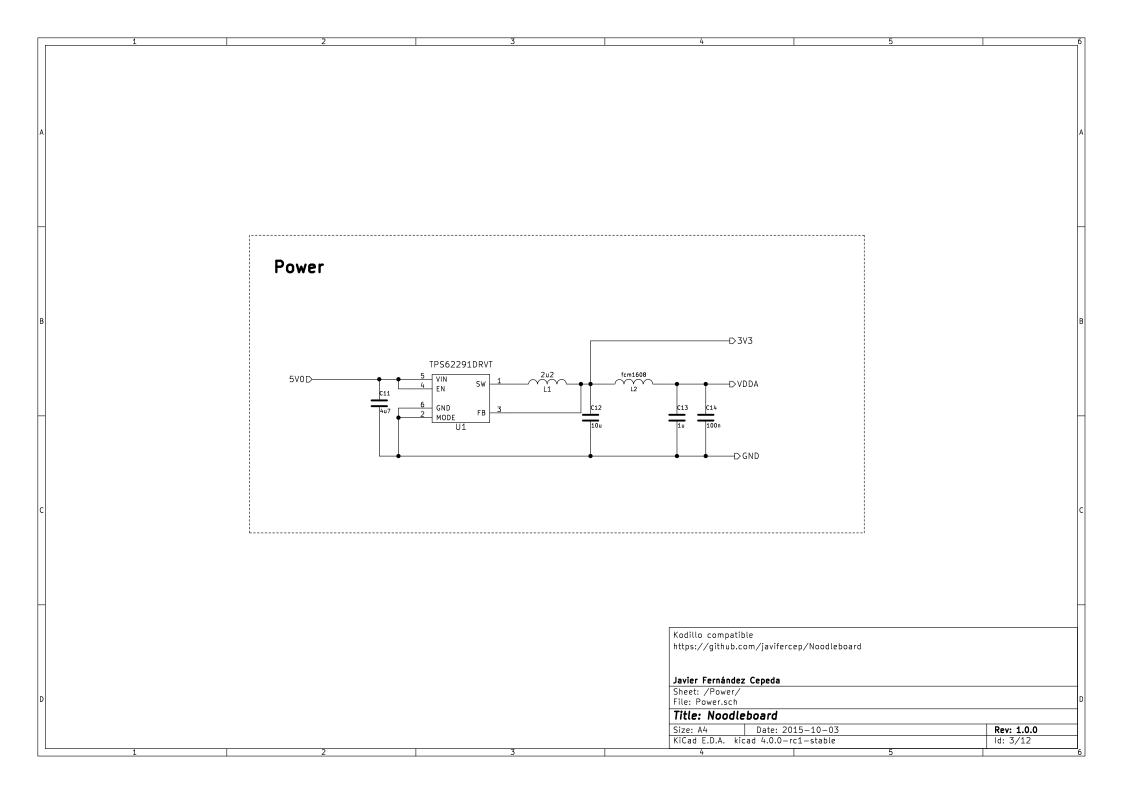
Javier Fernández Cepeda

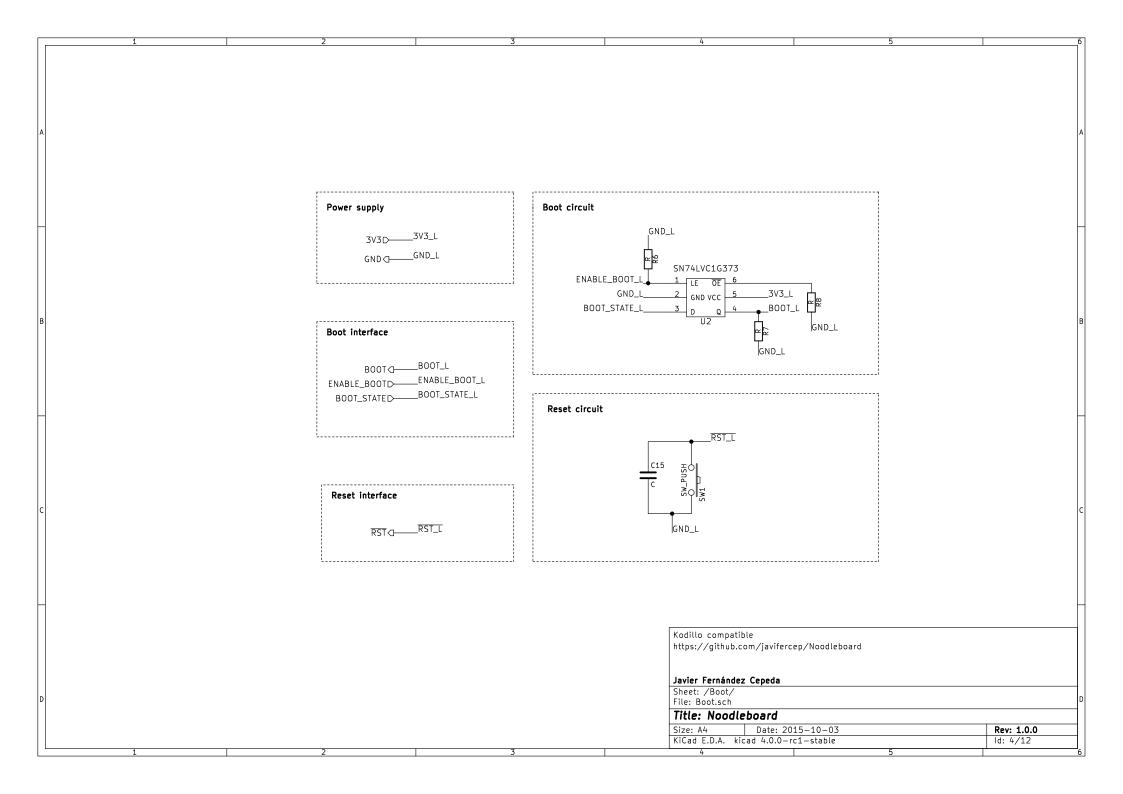
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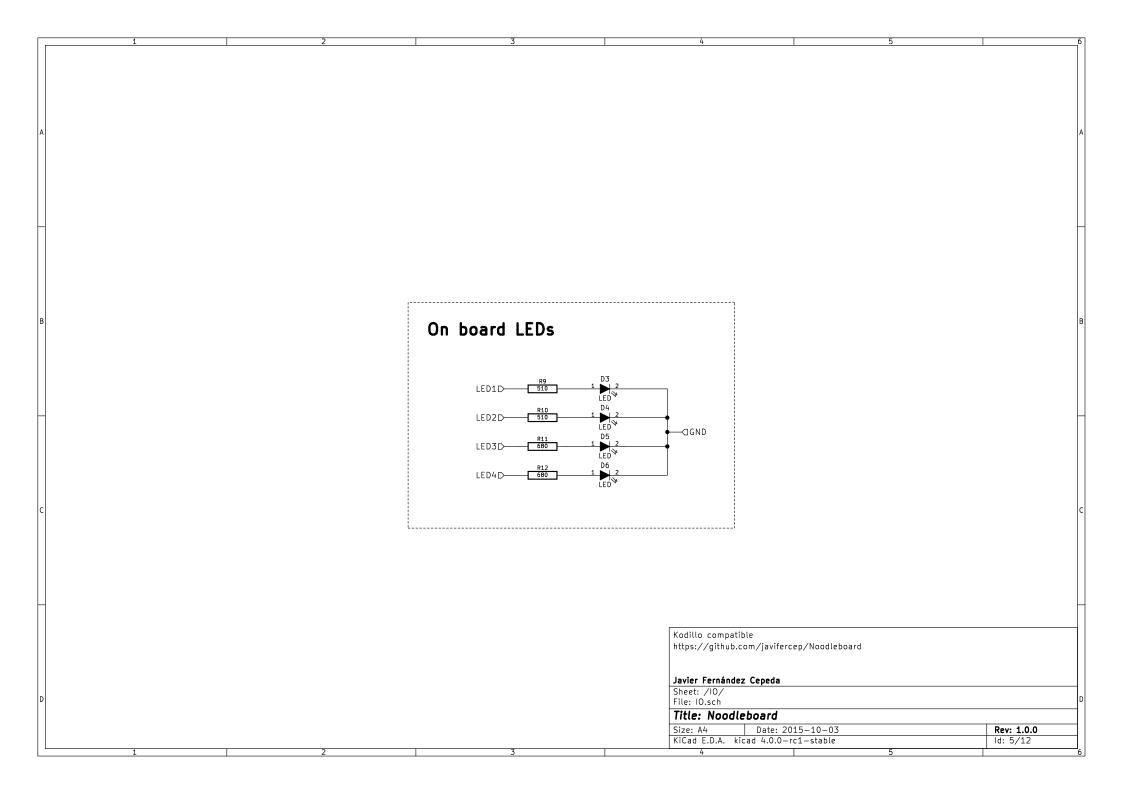
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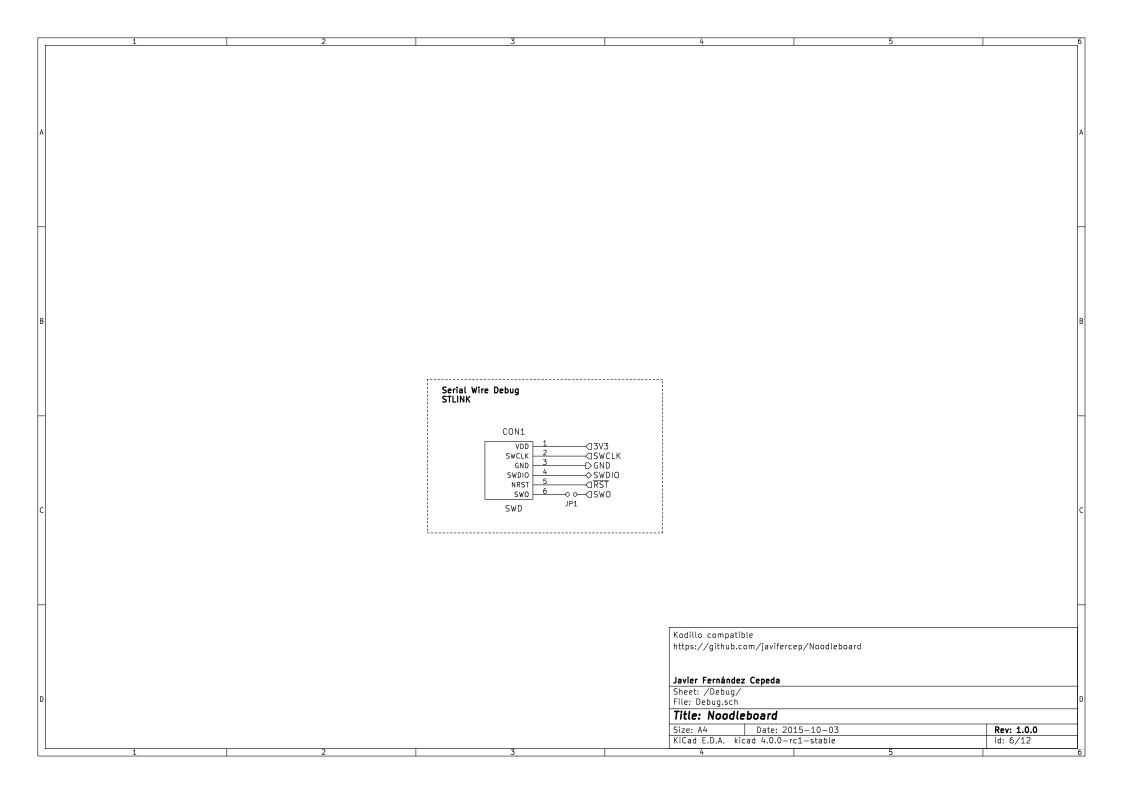
 Size: A4
 Date: 2015-10-03
 Rev: 1.0.0

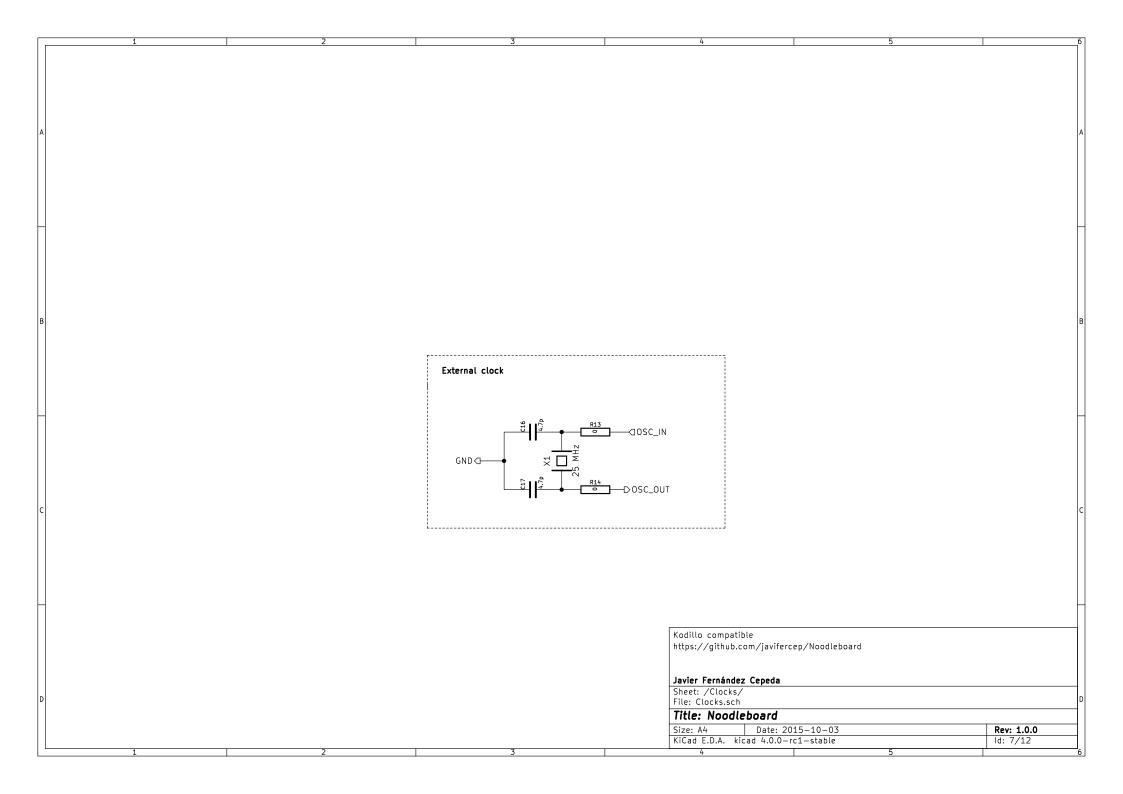
 KiCad E.D.A. kicad 4.0.0-rc1-stable
 Id: 2/12

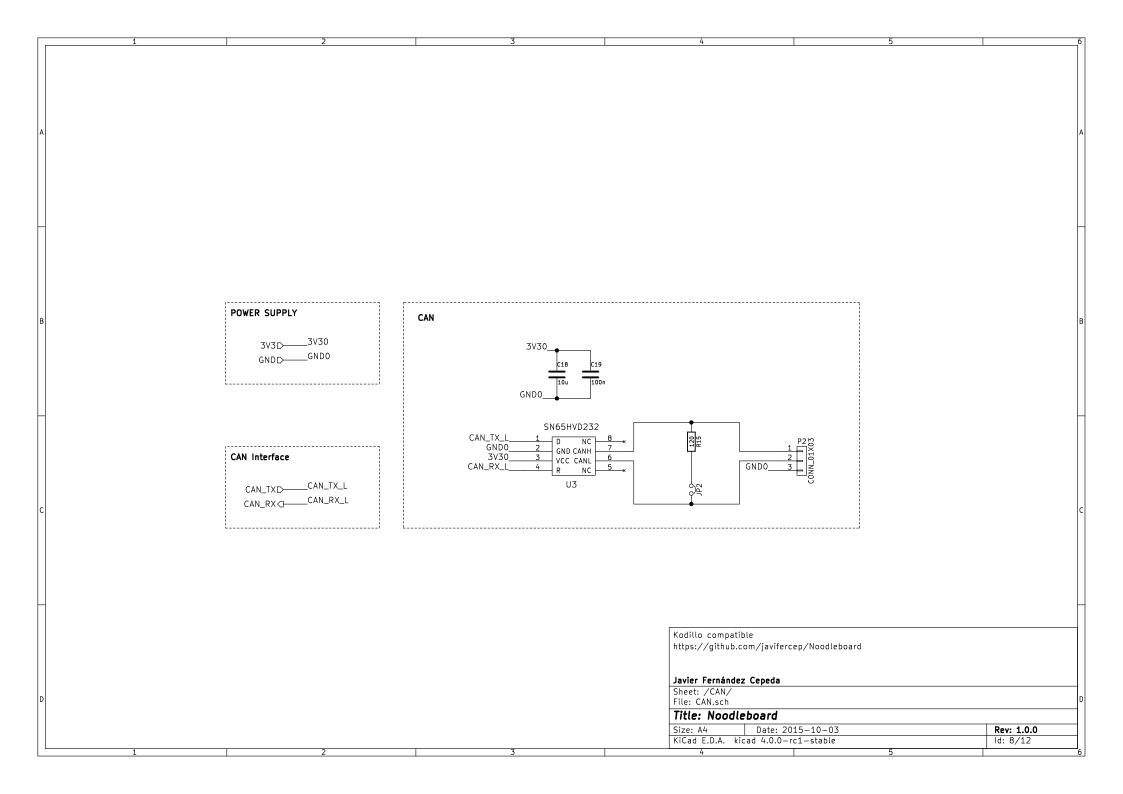


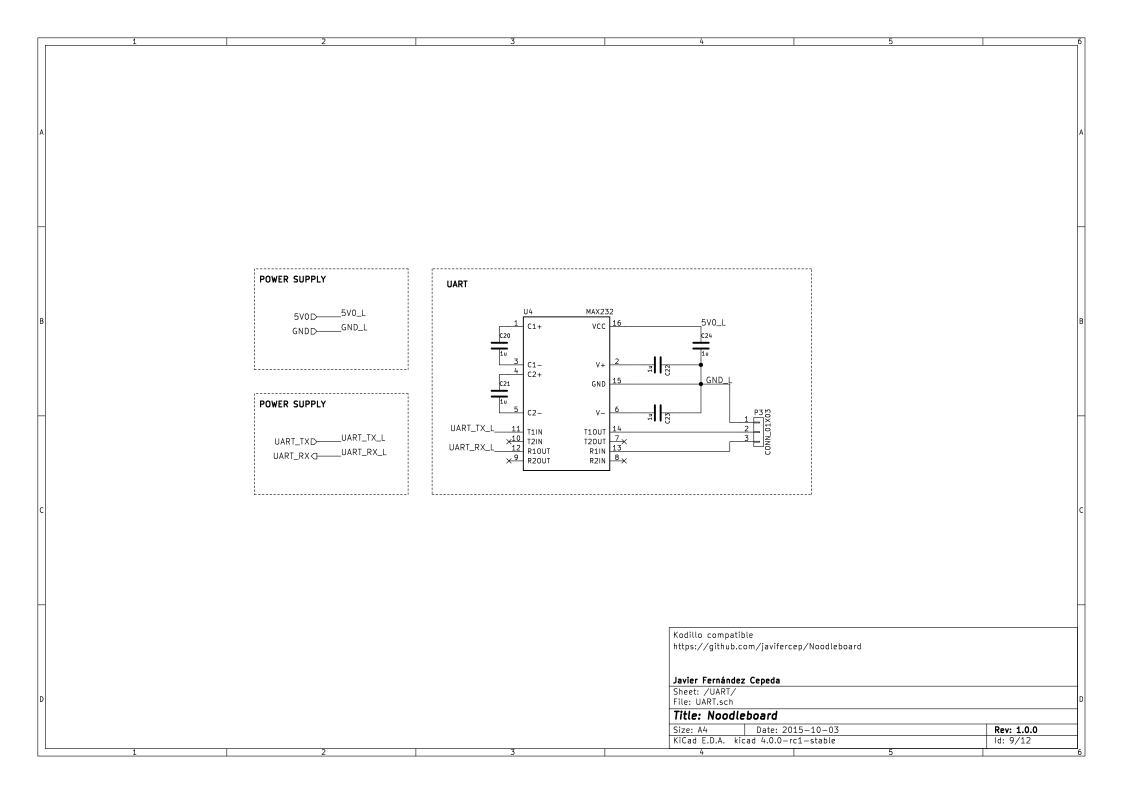


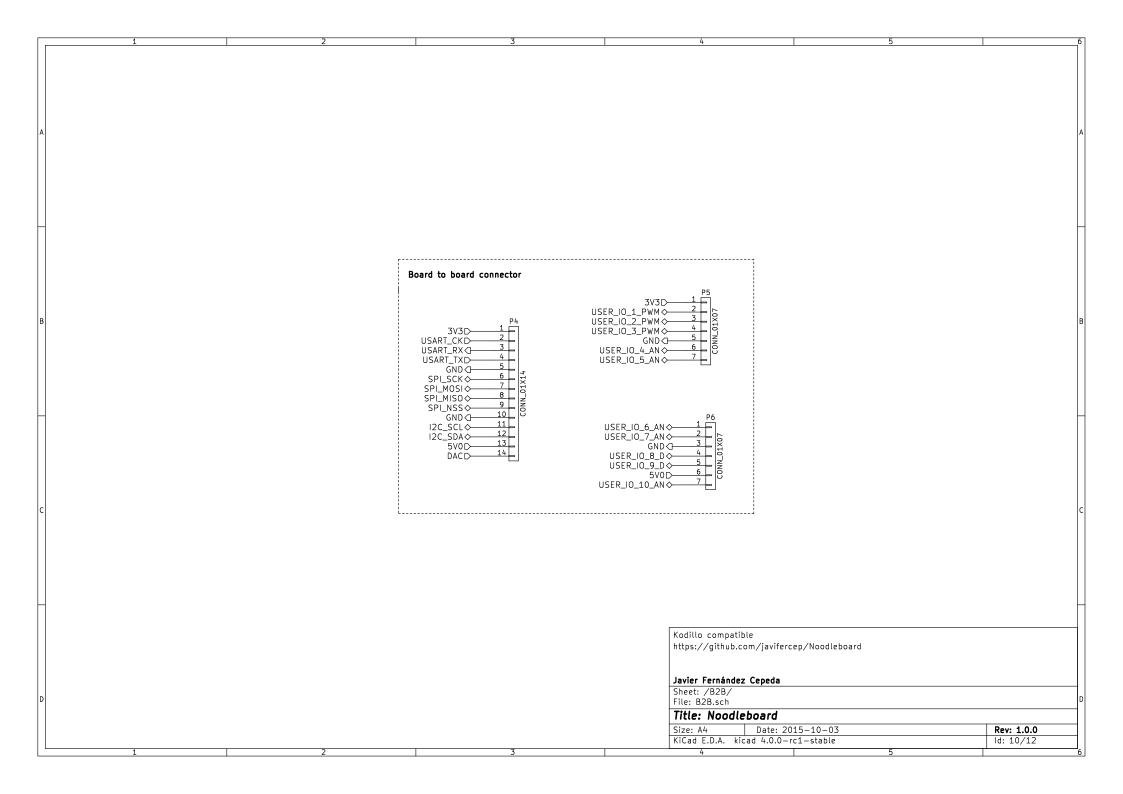


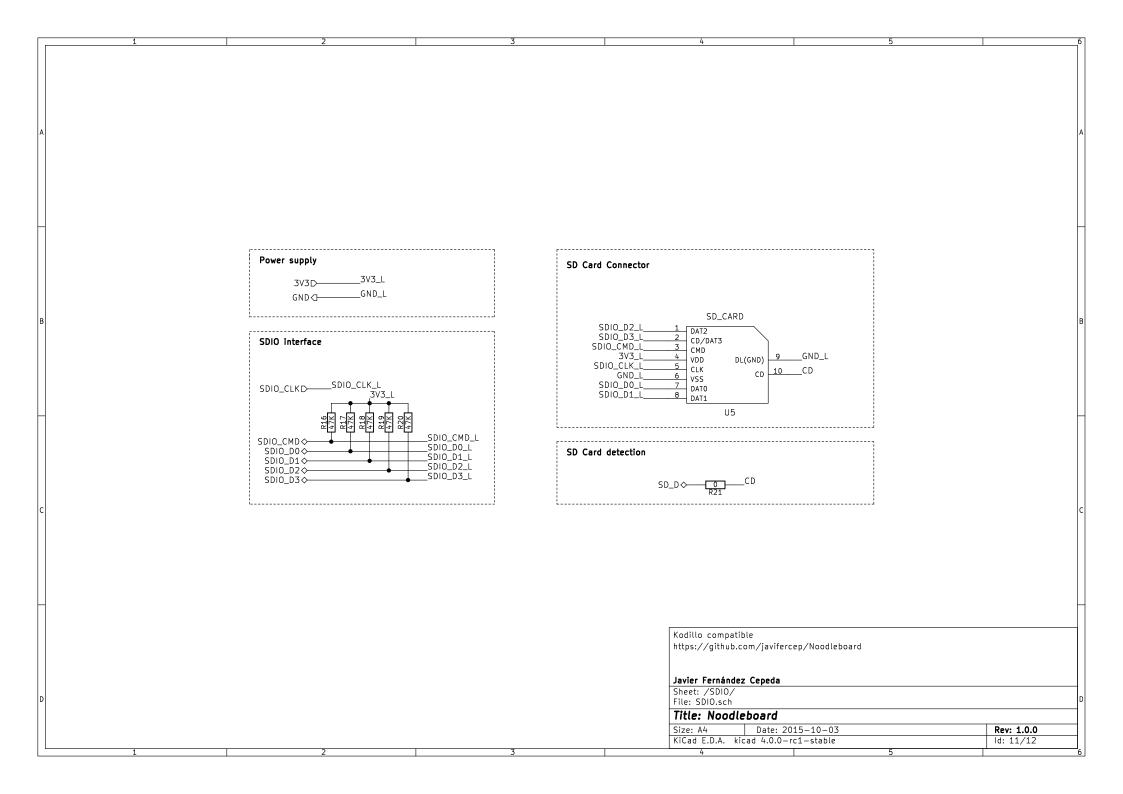




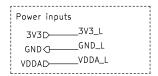


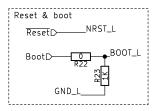






MCU: STM32F405RG / STM32F105





External Clock	
OSC_INDOSC_IN_L OSC_OUT	

	10
	GPL_1D
	GPO_1 ☐───GPO_1_L GPO_2 ☐───GPO_2_L
	PWM_1
	ADC_1D
1	DAC_1 < DAC_1_L

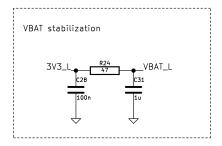
Debug	
SWCLKD—	SWCLK_L
SWIO♦—	SWDIO_L
SWO∢—	SWO_SPI_SCK_L

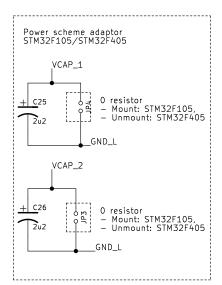
SPI	
SPI_SCK♦—— SPI_MOSI♦—— SPI_MISO♦—— SPI_NSS♦——	_SWO_SPI_SCK_L _SPI_MOSI_L _SPI_MISO_L _SPI_NSS_L

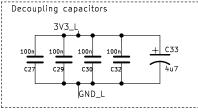
USB_HS USB_STP ← USB_STP_L USB_DIR ← USB_NXT_L USB_NXT ← USB_NXT_L USB_CK ← USB_CK_L USB_D1 ← USB_D1_L USB_D2 ← USB_D2_L USB_D3 ← USB_D3_L USB_D4 ← USB_D4_L USB_D5 ← USB_D5_L USB_D5 ← USB_D5_L USB_D6 ← USB_D7_L

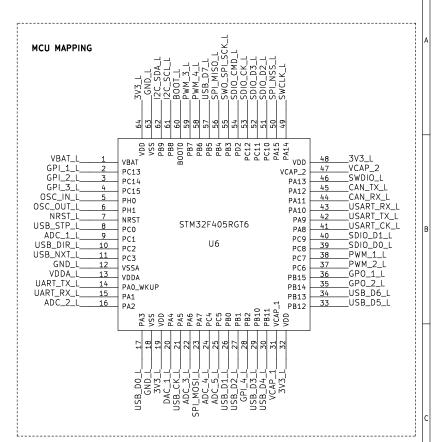
CAN CAN_TX CI—— CAN_RX CI——	_CAN_TX_L _CAN_RX_L

I2C	
I2C_SCL♦──	12C_SCL_L
I2C_SDA♦──	12C_SDA_L









ecoupling capacitors					
3V3_L					
10 <u>0</u> n	100n	100n	100n	±	<u></u>
C27	C29	C30	C32		4u7
GND_L					

Kodillo compa	tible	
https://github	.com/javifercep/Noodleboard	
Javier Fernánd	ez Cepeda	
Sheet: /MCU/		
File: MCU.sch		
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Size: A4	Date: 2015-10-03	Rev: 1.0.0
KiCad E.D.A.	kicad 4.0.0-rc1-stable	ld: 12/12