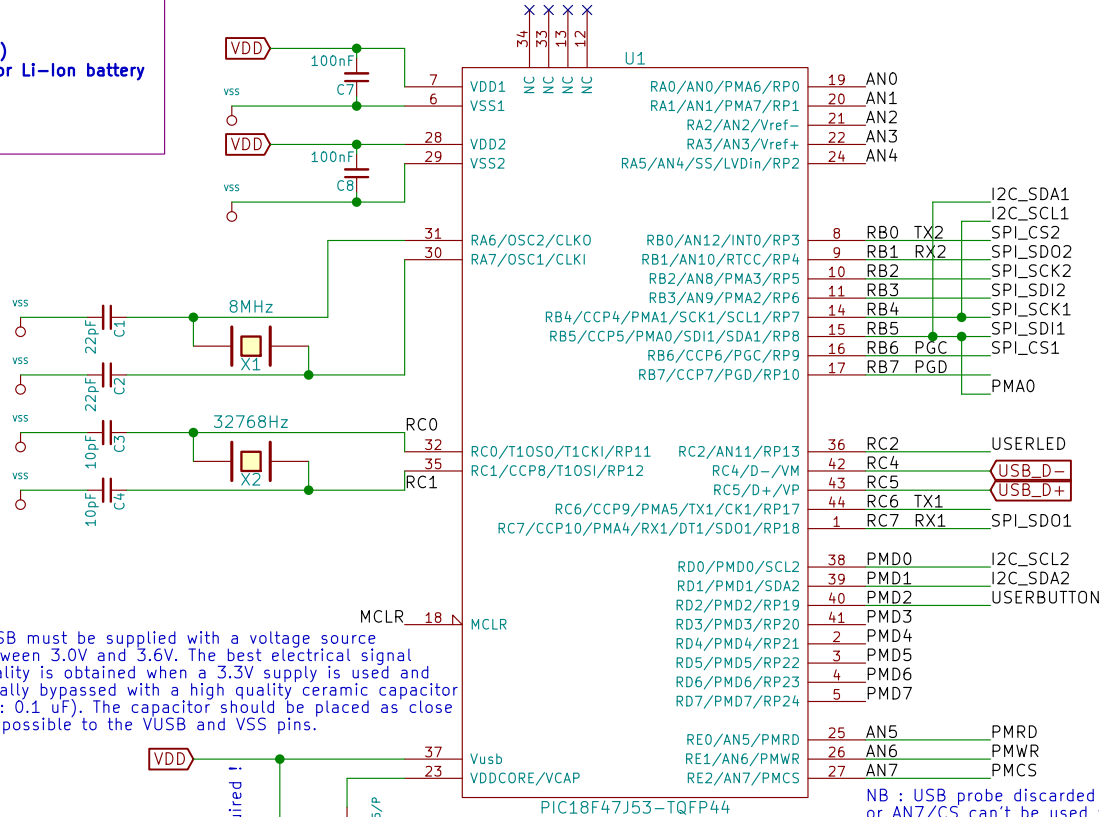
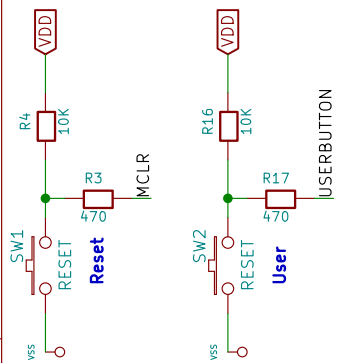


PINGUINO 47J53 B1.0

Power Supply

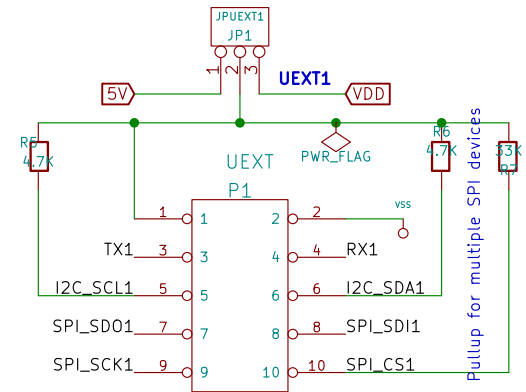
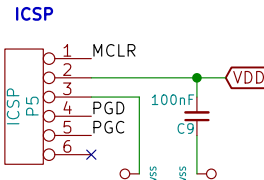
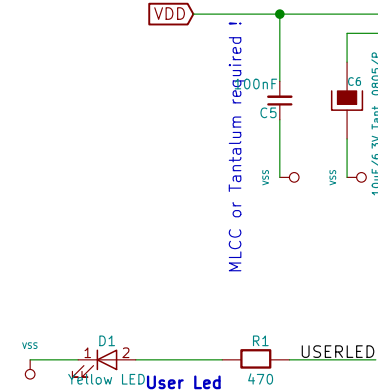
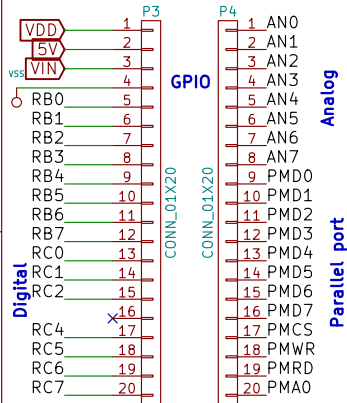
- Notes :
- 1/ VDD comes from 3V3 or VBAT
 - 2/ 5V comes from VUSB or VIN (Reg. 5V)
 - 3/ VBAT comes from single-cell Li-Po or Li-Ion battery
 - 4/ VBAT and VUSB are non-regulated
 - 5/ VIN -> Reg. 5V
 - 6/ 3V3 is regulated

power.sch

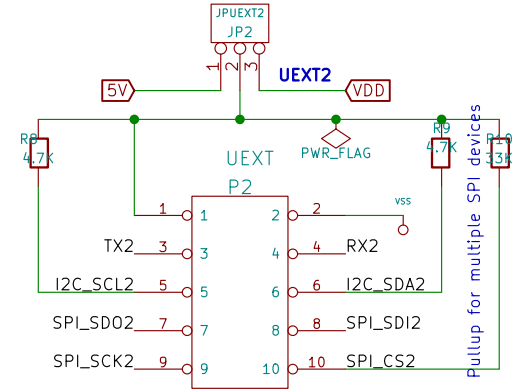


VUSB must be supplied with a voltage source between 3.0V and 3.6V. The best electrical signal quality is obtained when a 3.3V supply is used and locally bypassed with a high quality ceramic capacitor (ex: 0.1 uF). The capacitor should be placed as close as possible to the VUSB and VSS pins.

MLCC or Tantalum required !
Low-ESR (< 5 Ohm) capacitor required !



Note : RX1 = SD01, SDA1 = SDI1, SCL1 = SCK1



Note : RX2 = SD02 and TX2 = CS2

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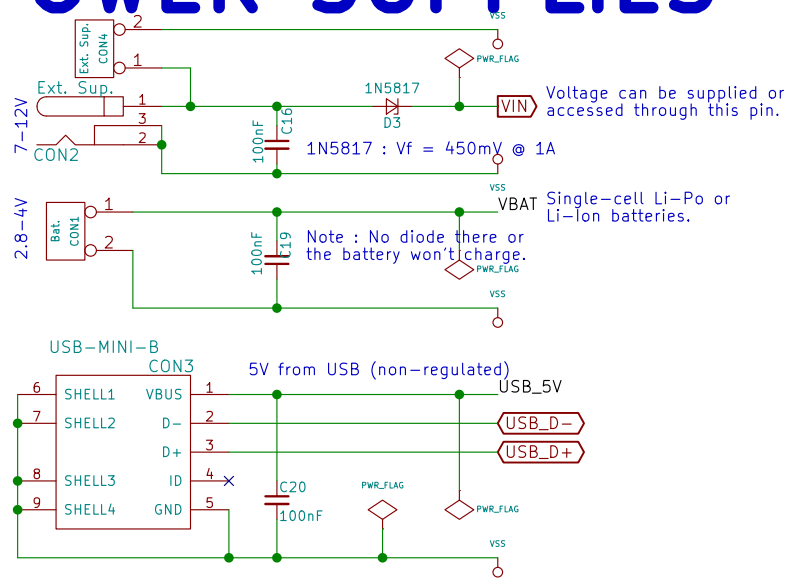
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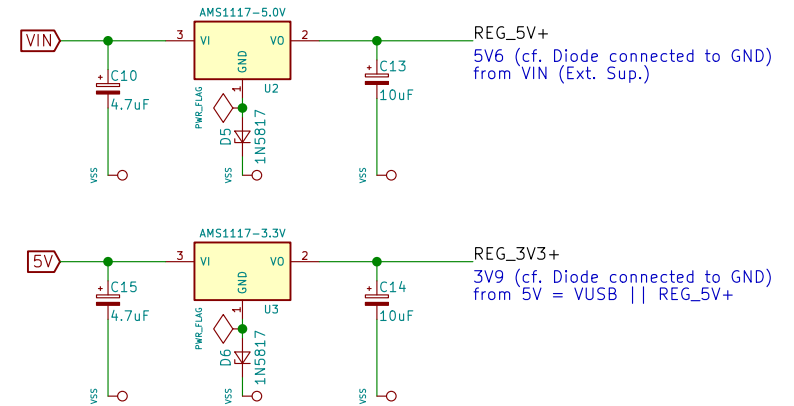
Date: 30 may 2013

Rev:
Id: 1/2

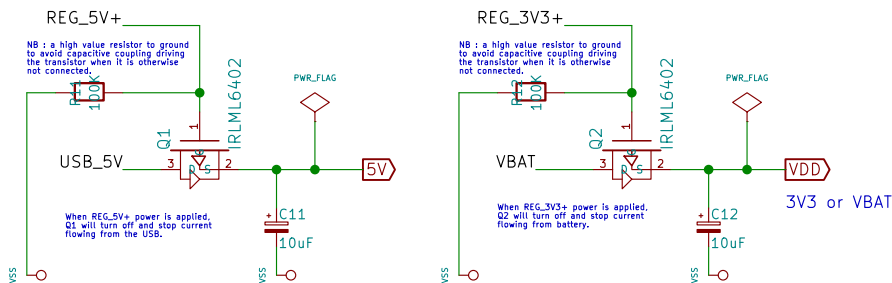
POWER SUPPLIES



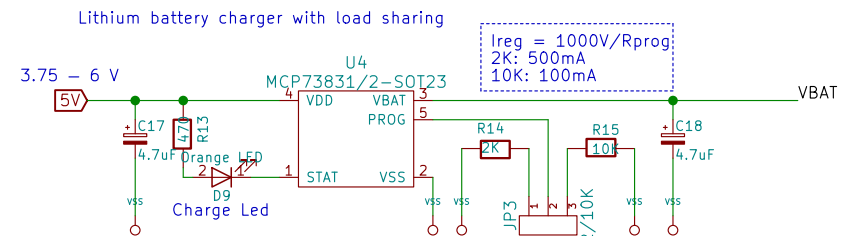
POWER REGULATION



POWER SELECTORS



BATTERY CHARGER



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Sheet: /Power Supply/
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Title: Pinguino 47J53B

Size: A4 Date: 30 may 2013

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Rev: v1.1

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