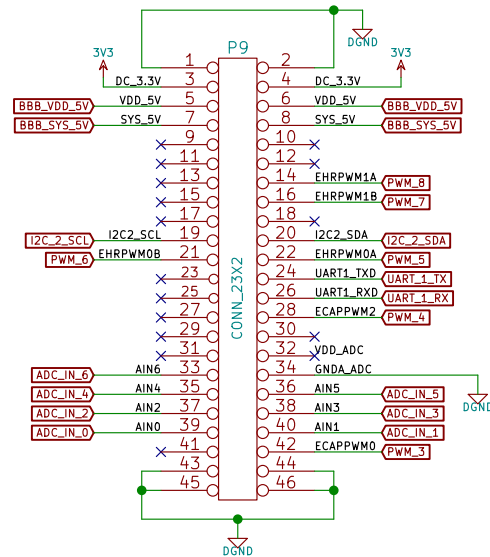
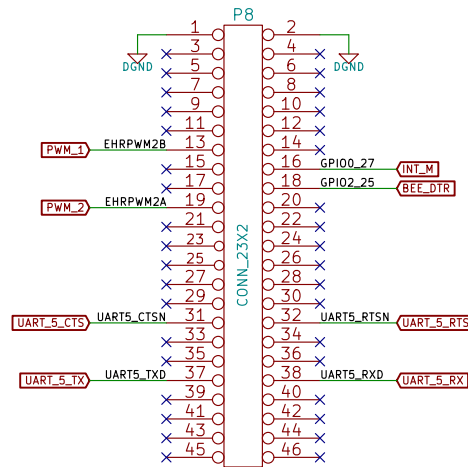
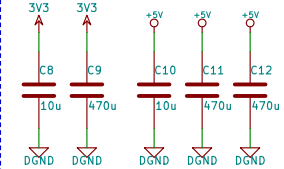


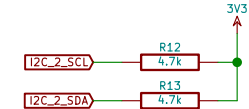
BeagleBone Black headers



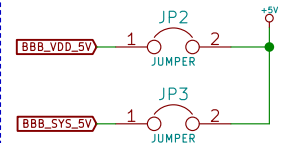
Decoupling capacitors



I2C pull-up resistors

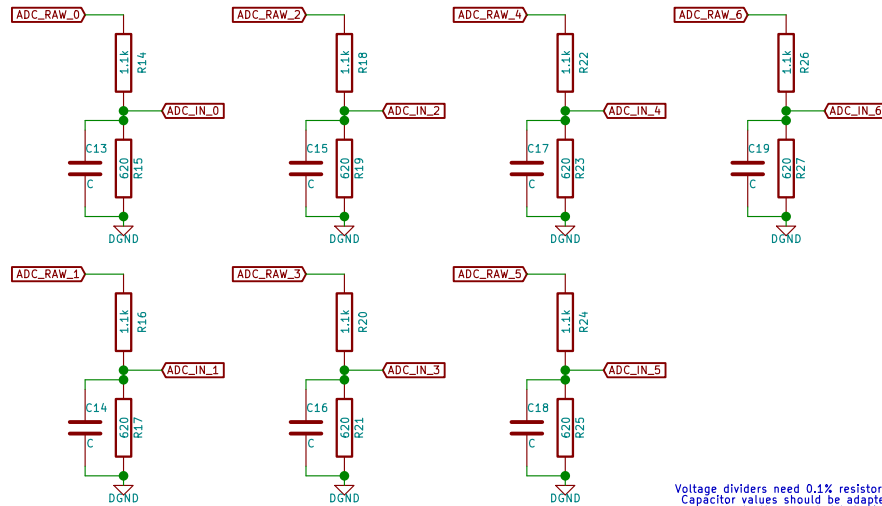


Power select jumpers



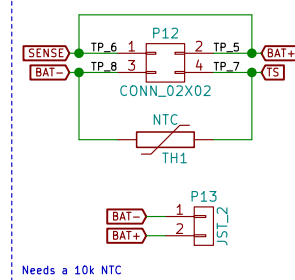
Allows to select between Jack/Battery power and USB power for the 5V rail.

ADC 5V to 1.8V voltage conversion & filtering



Voltage dividers need 0.1% resistors.
Capacitor values should be adapted to the expected behavior.

Battery management



Needs a 10k NTC

Designed by: Salah-Eddine Missri
Supervisor: Andrea Alessandretti

Swiss Institute of Technology Lausanne (EPFL)

Sheet: /BeagleBone Connections/
File: BBB-Connections.sch

Title: Robots Arena BBB Cape

Size: A4 Date: 29 Nov 2014
KiCad E.D.A. kicad (2014-09-22 BZR 5144)-product

Rev: C
Id: 2/2