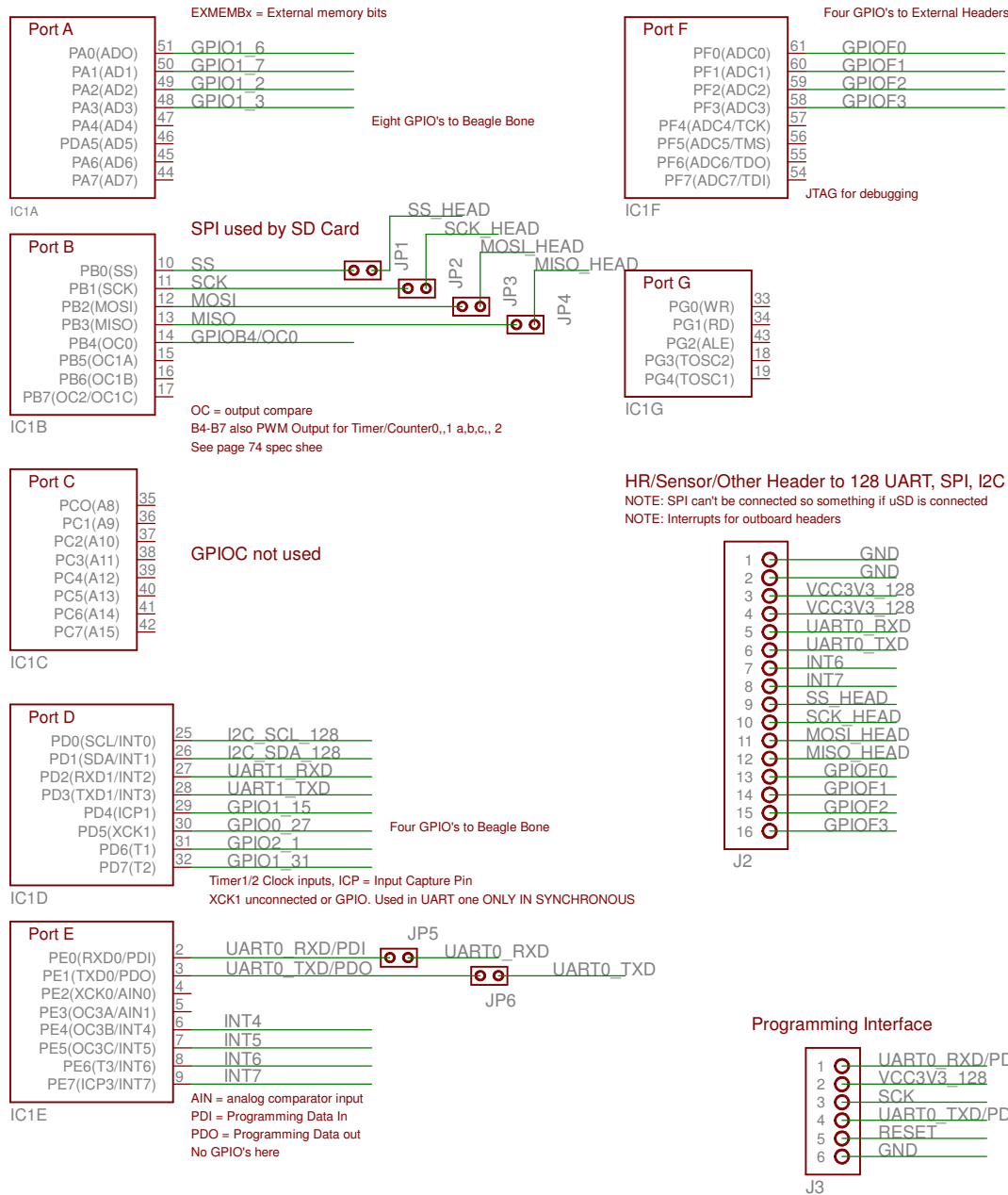
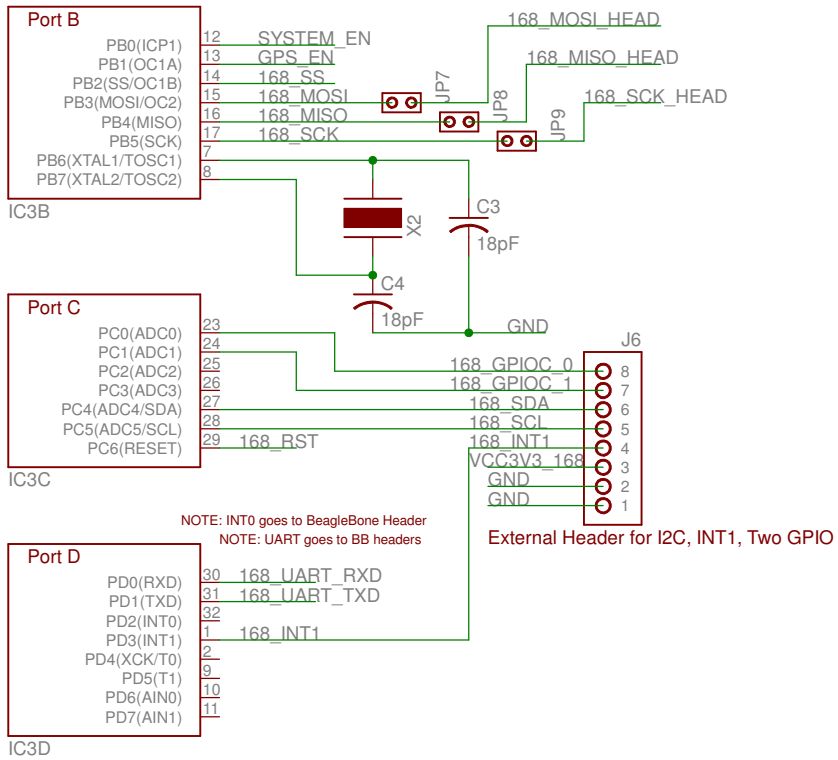


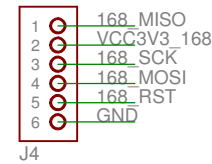
# ATMEGA128A uC



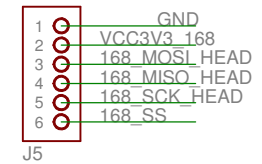
## ATMEGA168A uC



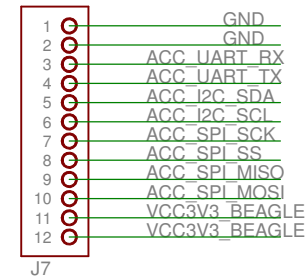
## Programming Header-168



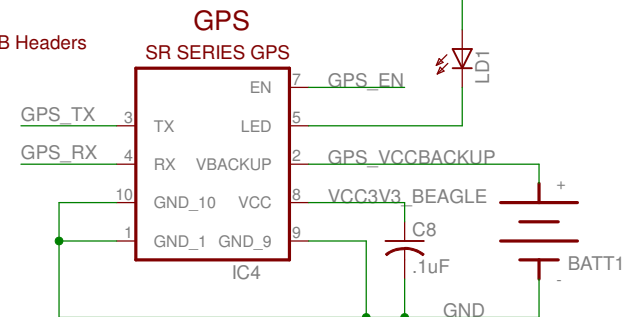
## SPI Header from HR/Sensors/Other to 168



## External Header for Breakout- Goes directly to BB



## GPS UART goes directly to BB Headers



Re.Cycle

Engineer: TMS

SHEET: ATMEGA168A, Bone P8 Header, GPS

Author: TMS

TITLE: atmega128a\_dev

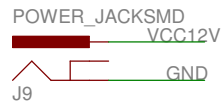
Rev: A

Doc#: 1

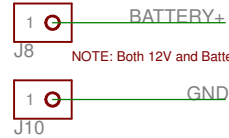
Date: November, 2012

Sheet: 2/3

## 12V Power

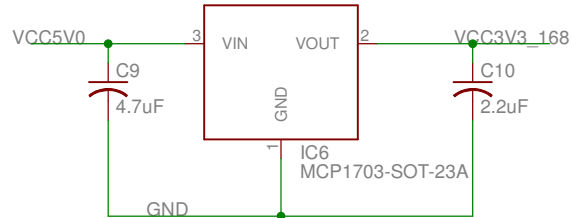


## Battery Power

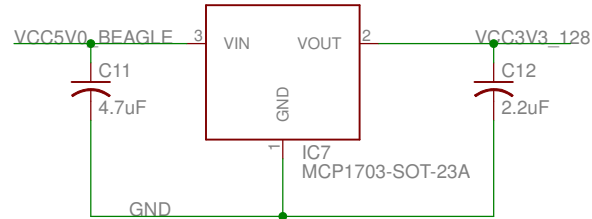


NOTE: Both 12V and Battery CANNOT be plugged in at same time, must be separete.

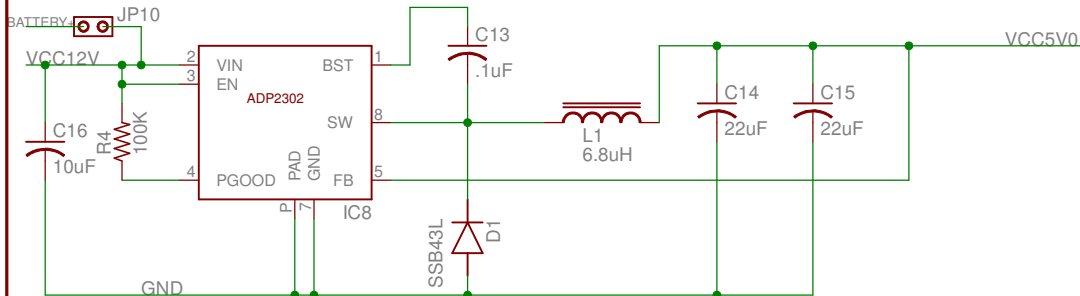
## 5v0 to 3v3 regulator for AT168



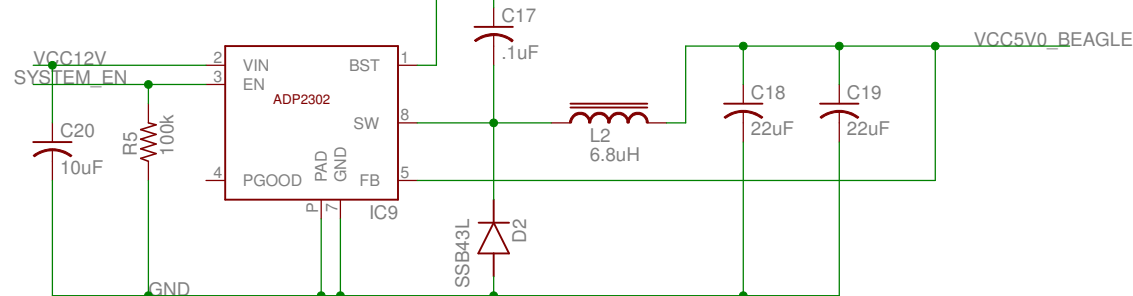
## Atmega128 5V->3.3V Regulator



## 12V->5V Main Regulator

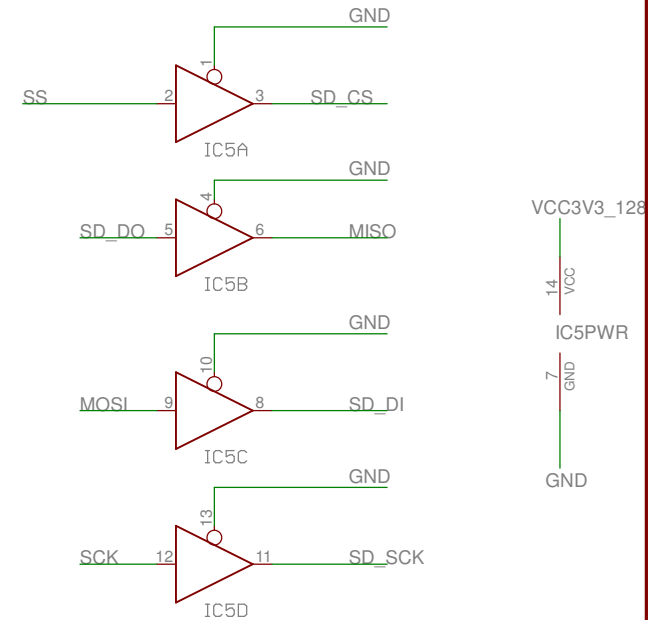


## ATMEGA128 3V3 Regulator

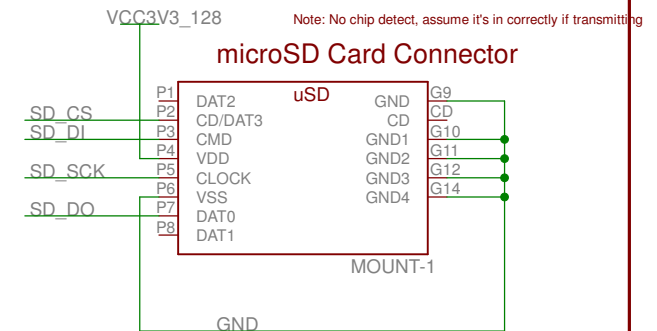


## SD Breakout

### Buffer Array



## microSD Card Connector



## Re.Cycle

SHEET: Power Regulators and Input

TITLE: atmega128a\_dev

Doc#:

Date: November 2012

Engineer: TMS

Author: TMS

Rev: A

Sheet: 3/3