CoreSam3x

An Arduino(tm) Due compatible SAM3X core board.

Design goals

- Board is 2 layer 50x50mm max dimension to take advantage of cheap PCB service.
- Components are DIY friendly 0603 or larger
- Self contained board, so can be programmed and run with just USB cable
- Compatible with "Due" board target in Arduino IDE, no extra support required
- Programmed via USB, JTAG pins or 6 pin serial programming header
- 0.1" pitch pin spacing

Features:
- all Due pins
- some extra GPIO extra pins
- Ethernet pins
- Battery backup pins
- JTAG pins
- EBI pins
- on board USB (OTG, ie. device or host)
- can be powered from USB device or external 5V
- on board 3.3V regulator
- buttons for Reset, Erase
- LEDs for 3.3V power, D13
- RTC crystal
- two mounting lugs for M2.5
- dimensions : 2" by 1.6" (51x41mm) excluding mounting lugs

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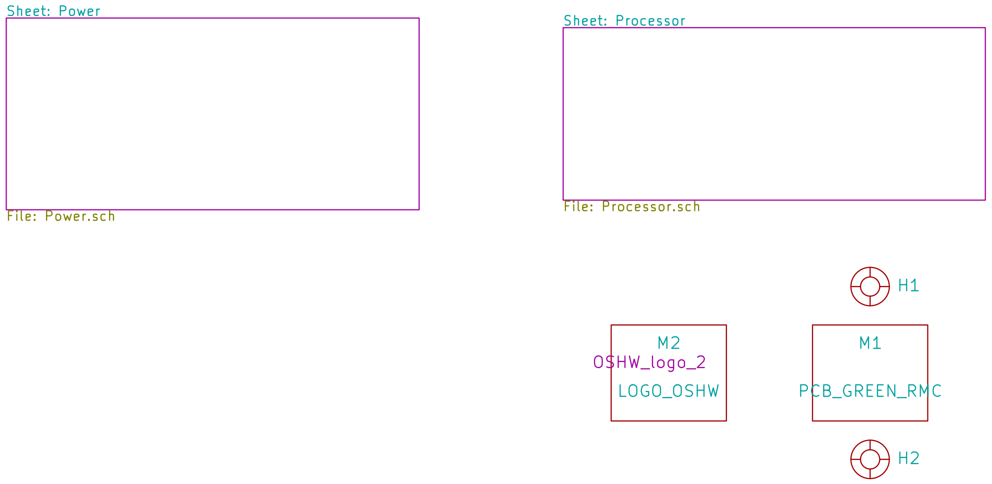

Some schematics and library symbols derived from Duet project
https://github.com/T3P3/Duet licensed under the CERN OHW Licence v1.2

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Title: CoreSam3x
Size: A4 Date: 1 nov 2014 **Rev: 1**
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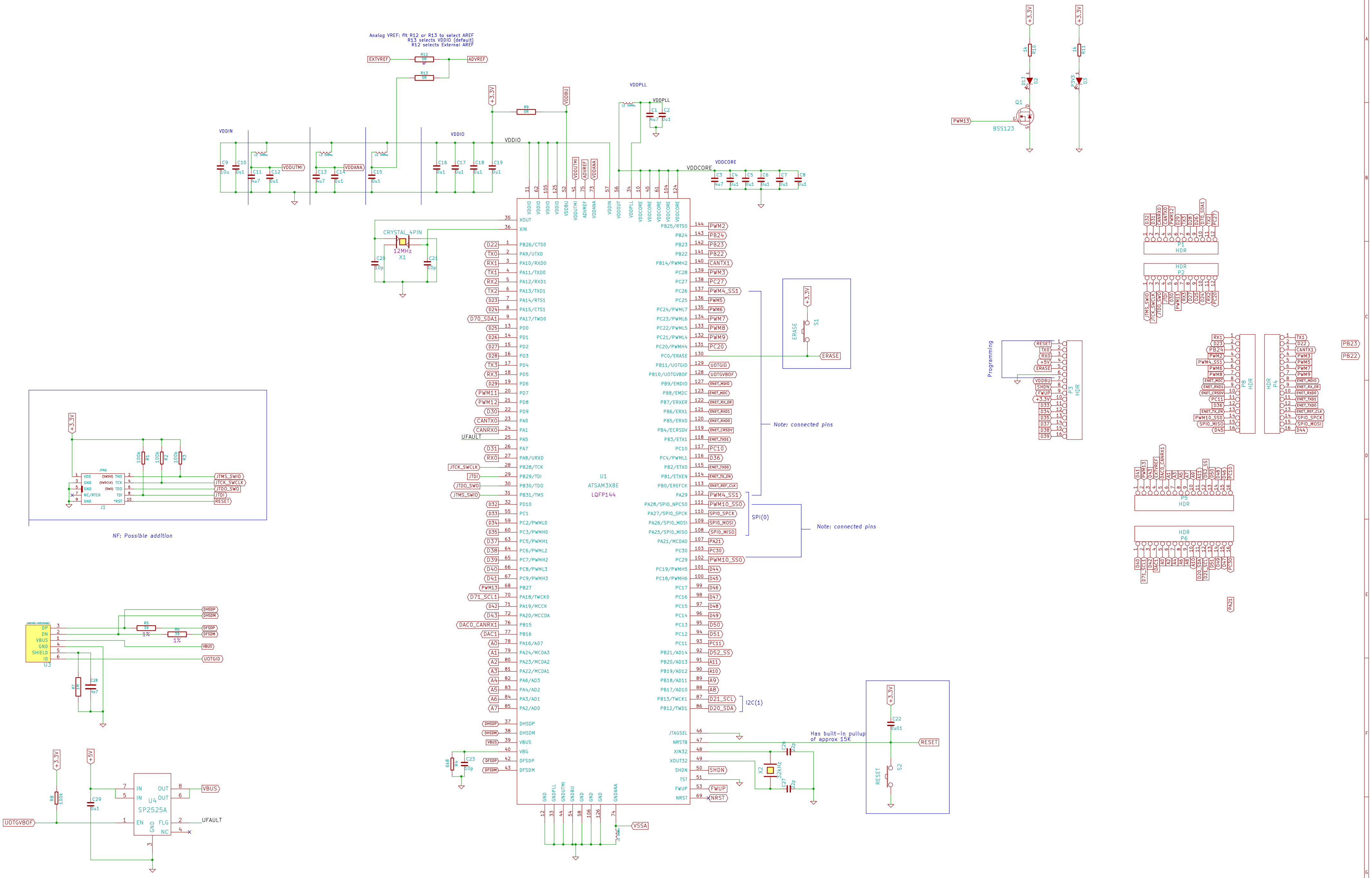

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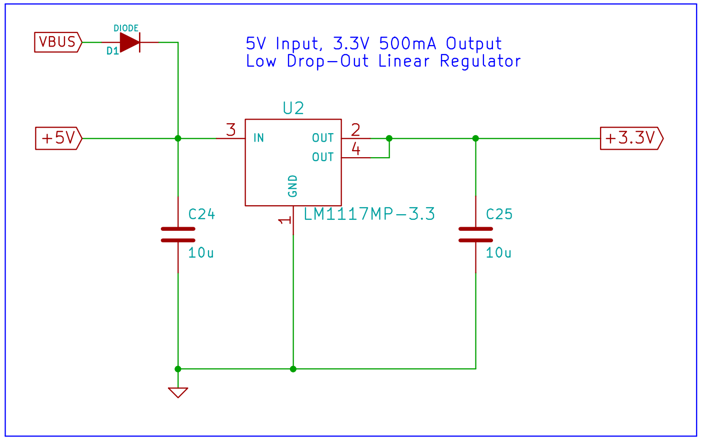

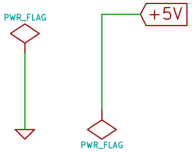

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Size: A4 Date: 1 nov 2014 **Rev: 1**
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