

CoreSam3x

An Arduino® 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 available
- some extra GPIO extra pins available
- Ethernet pins available
- Battery backup pins available
- JTAG pins available
- EBI pins available
- 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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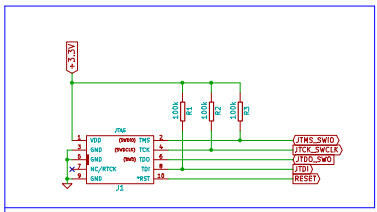
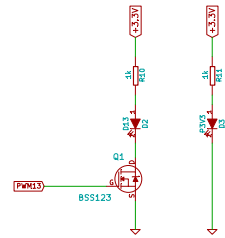
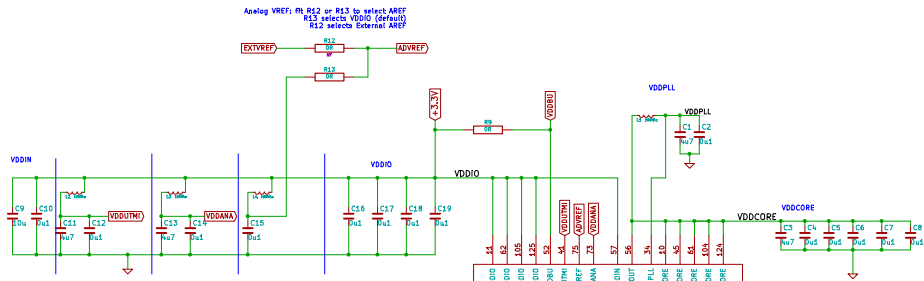


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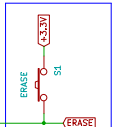
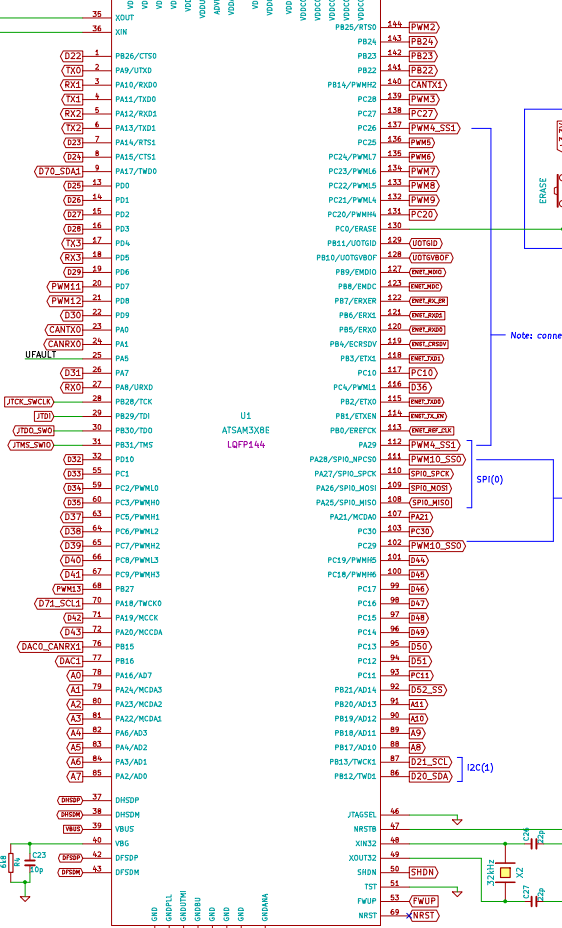
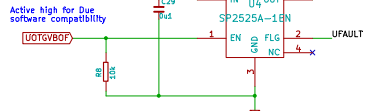
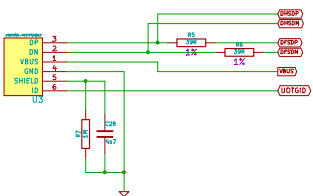


Some schematics and library symbols derived from Duet project
<https://github.com/T3P3/Duet> licensed under the CERN OHW Licence v1.2

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Size: A4	Date: 2 nov 2014	Rev: 1
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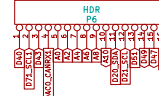
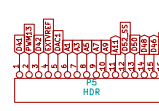
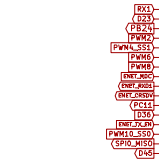
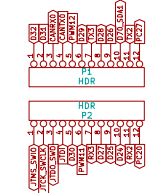
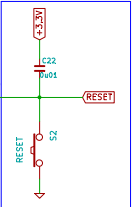


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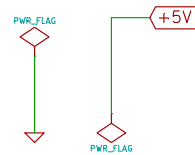
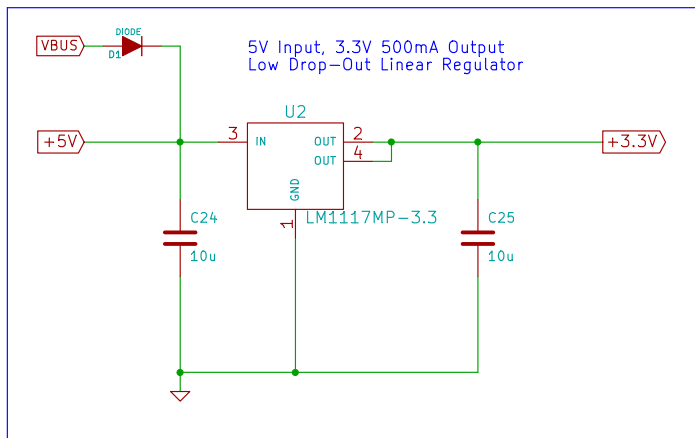


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