

# Fubarino Mini

www.fubarino.org/Mini

A DIP form factor chipKIT® compatible board

By: Brian Schmalz and Rick Anderson

If you like the Fubarino, please consider that SchmalzHaus can design a customized version for your specific needs. Contact [brian@schmalzhaus.com](mailto:brian@schmalzhaus.com) for more information.

v1.0 3/13/2012

v1.1 4/4/2012

Switched green LED to sink to GND  
Rotated 32KHz crystal so it lies flatter  
Removed 32KHz crystal and caps from BOM  
Added some pin numbers on top silk

v1.2 6/8/2012

Separate out 5V\_OUT and VIN  
Swap GND and 5V\_OUT/VIN so 5V\_OUT/VIN are on end  
Added in diodes to allow USB or external VIN power  
v1.3 7/17/2012

Extended CPU pads by .3mm for better reworkability

Changed power LED to red

v1.4 7/18/2012

Switched CPU footprint to QFN44

C13 to 10uF for better 3.3V stability

v1.5 02/25/2013 - Microchip version

Changed USB connector to Microchip standard

Added CE, RoSH, and chipKIT graphics to silk on back

v1.6 03/14/2013 - Microchip version

J2 pin 17 is now RESET rather than GND. This allows for external RESET without using J3

R8 and R11 changed to 820 ohms to dim the super bright LEDs

v2.0 07/18/2018

Switched VBUS (pin 42) on micro to VBUS signal rather than 5V.

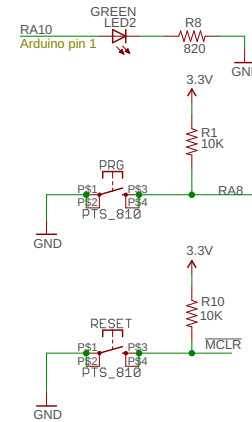
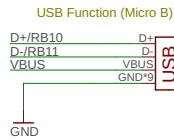
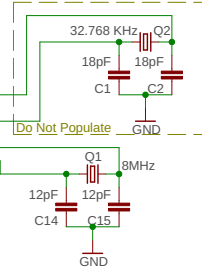
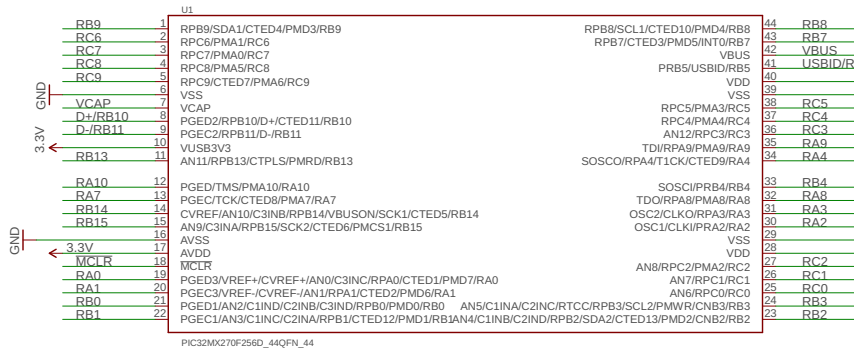
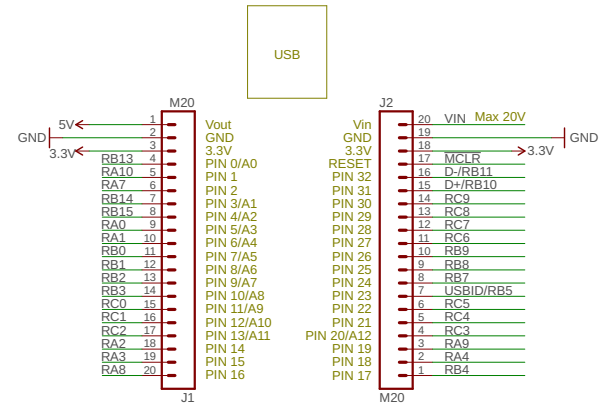
Diodes switched to 1.5A max current

LDO Reg switched to 800mA output, 20V max input

CPU change to PIC32MX270F256D to get twice the Flash and RAM

USB connector changed to Micro-B

Fubarino Mini footprint



Copyright 2013-2018 Brian Schmalz and Rick Anderson. Copyright and related rights are licensed under the Solderpad Hardware License, Version 0.51 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://solderpad.org/licenses/SHL-0.51>. Unless required by applicable law or agreed to in writing, software, hardware and materials distributed under this License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Title: FubarinoMini\_v20

Version:

8/28/2018 7:27 PM

Drawn By:

1/1