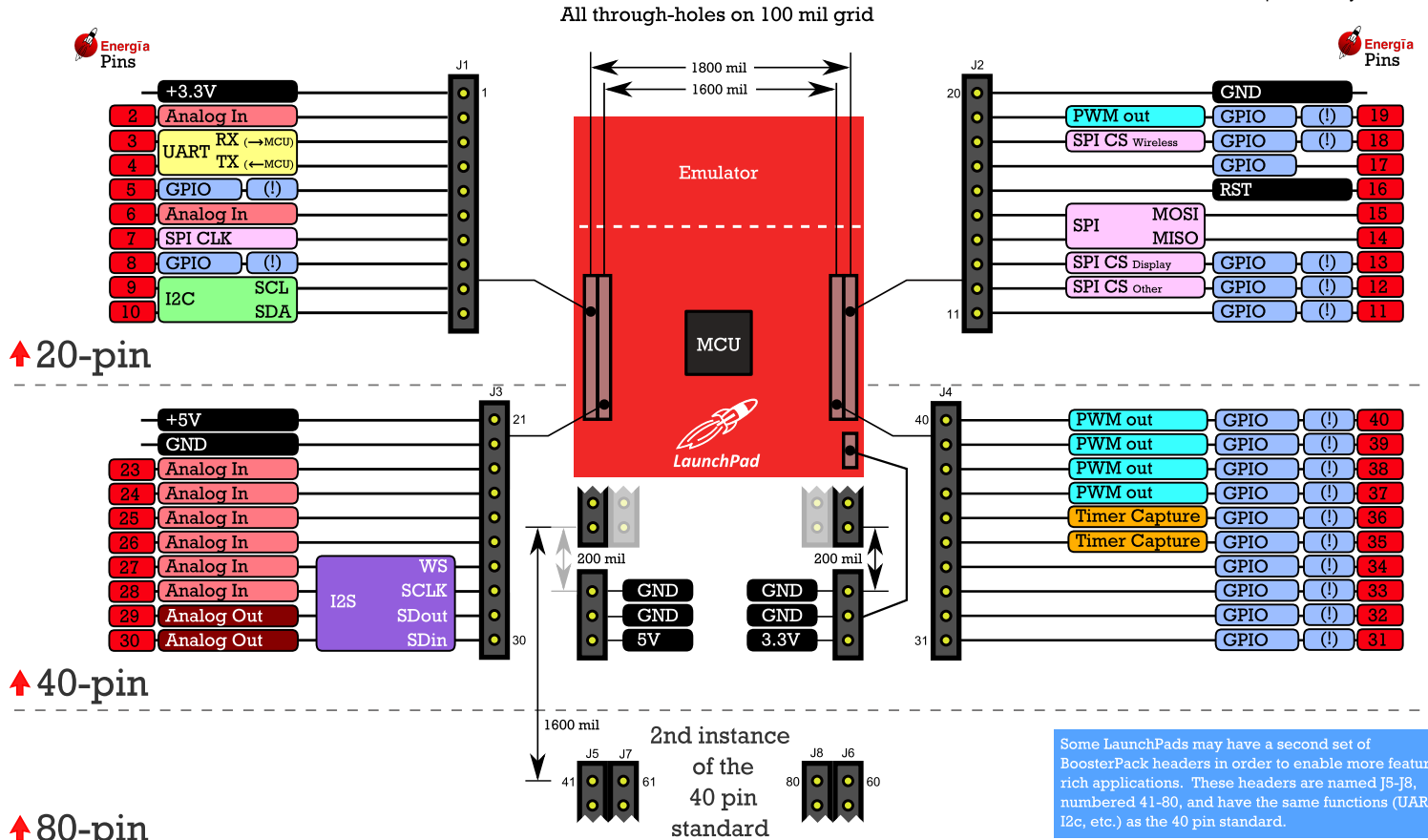


BoosterPack Pinout Standard

Updated July 15th 2015



Notes

The exclamation point (!) indicates that the GPIO pin is interruptible.

Try designing your BoosterPack to maximize the number of pins that can be shared. Using busses like I2C and SPI increases the interoperability of your BoosterPack.

Check the documentation of specific LaunchPad boards to confirm compatibility with the BoosterPack standard. While most LaunchPads comply with the standard, there may be some deviations.

Things to think about when making a BoosterPack

Accessibility

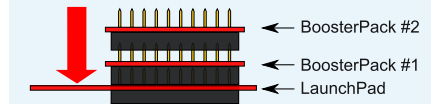
When finalizing the dimensions of your BoosterPack, be sure to think about easy access to components (buttons, LEDs, test points, etc). We recommend edge mounted/right angle components.

BoosterPack combos

Want to pair with other BoosterPacks? Be sure to review the pin-outs of each BoosterPack in your BoosterPack sandwich! Use the BoosterPack tool on ti.com to make this process easy!

Enable stack-ability

All LaunchPads & BoosterPacks must use female headers with long male leads (100 mil pitch)



Recommended part numbers for stackable headers:

Major League Electronics:
 CRD-081413-A-G (Double Row, 10x2)
 CRD-081413-B-G (Single Row, 10x1)
 Buy @ launchpad.mlelectronics.com

Samtec:
 SSQ-110-23-F-D (Double Row, 10x2)
 SSQ-110-23-F-S (Single Row, 10x1)

LaunchPad "Rocket" Logo usage

If your BoosterPack complies with the pinout standard above, you may place the rocket logo on your BoosterPack's silk screen.



www.ti.com/launchpadrocket
 (SVG file)



Label your pins!

Use your silkscreen wisely. Label pins, jumpers & other important components to improve your BoosterPack's ease-of-use. Use the templates for the BoosterPack headers to make this process easy!

Energia Software Libraries

Don't forget about software! Energia libraries are ideal companions to your hardware. One Energia library can potentially enable multiple LaunchPads to work with your BoosterPack.

Try to write your library using the standard Wiring APIs. This will make your software portable across both the Energia and Arduino IDEs.

Upload your library on GitHub and share your hard work with the community!



<code>_</code>

Open Source Hardware & Licenses

Be sure to be aware of the licenses of the resources that you use! Also, don't forget to think about the license you publish your files under! Here are a few quick references:

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