



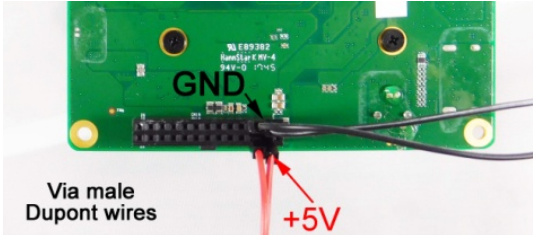



# Congratulations! Here's your Atomic Pi!

Please visit [AtomicPi.org](http://AtomicPi.org) for component specs & latest info

## Tips:

Power polarity is critical, reversing polarity can fatally damage the board. Be sure power is connected to the correct pins. Feed power to the APi via one of these methods:

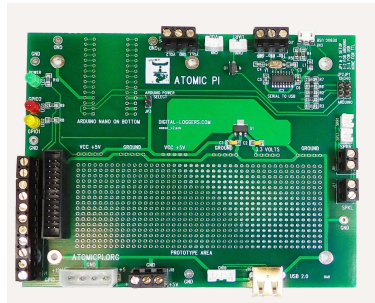
|   |   |   |  |
|---|---|---|--|
| <p>[2x13] 26 pin<br/>.1" header<br/>Digikey P/N<br/>A33167</p>  | <p>Ribbon cable<br/>connector<br/>Digikey P/N<br/>MPK26K</p>  | <p>Male DuPont pins</p>  | <p>Breakout board</p>  |
|---|---|---|--|

- Keep the 2032 battery attached to preserve BIOS / CMOS settings. The reset button clears the RTC.
- Pin 1 on the 26 pin connector is nearest the SD card slot at the edge of the board. +5 enters on pins 3,5,7,9,11,13. Pins 2,4,6,8,10,12,14 are ground. Use at least 2 pins ie 3,5 and 6,8. 26AWG
- Confirm +5V is regulated. Don't exceed 5.2V.
- Attach an HDMI monitor and USB keyboard. The debug serial port can also be used.
- Power up. Use CTL-ALT-F2 to open a window. Log in with user: atomicpi and the secure default password shown on the screen.
- Tiny SMD components are fragile. Handle with care. Check out the DIY printable enclosure to protect your project.
- GPIO pins are rated at 3.3V max, so don't apply 5V to them.
- Press the locking tab before pulling up to release JST connectors. No force is necessary.
- Like to try a different OS? Just boot from a uSD card or USB.
- Have fun with it!

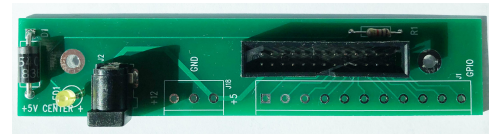
-Team IoT

## POWERING THE APi

The APi runs on 5V and needs at least a 2.4A supply. A wide range of power supplies will work. Below are a few examples. Amazon, Digikey and Aliexpress.com have plenty of alternatives including DC-DC converters, WiFi antennae, etc. Be sure to use appropriate wire gauge.



Standard Breakout Board \$15 – screw terminals and PC style Molex socket

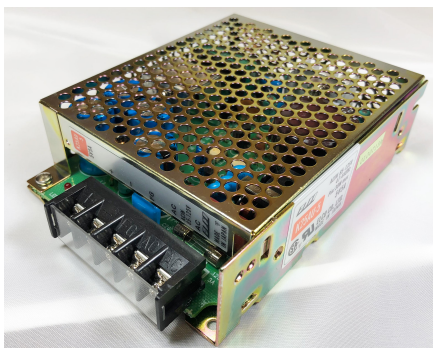


Baby Breakout  
2.5mm power jack \$3

5V 2.5A 2.5mm  
Switching Adapter \$9



5V 3A & +/-15V Industrial Supply  
Mean Well T-40C \$21



5V 5A Industrial Supply  
Elco K25AU-5 \$18



Smaller 5V 3A Industrial Supply Open Frame  
TDK FAW5-3K \$20

Limited quantity. Prices are for KS backers only and do not include freight. Call 408 330-5599.