

# USB to Sata Adapter Modification for old Hard Disk Drives requiring +12V

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USB to Sata Solid State Drive adapters (SSD) are readily available on-line and at low cost. However, the older Sata Hard Disk Drives still need +12 volts in addition to the +5 from the USB connection.

The mod is simply to bring out these +12v power connections to an external wire and connector as shown below:

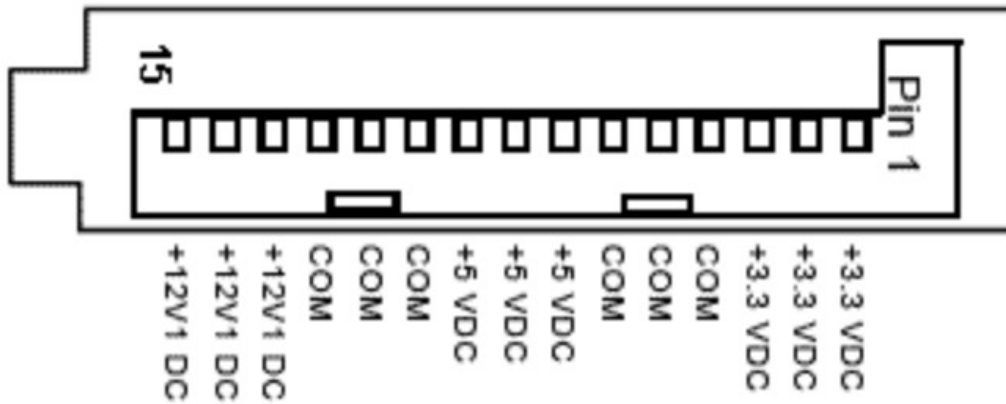
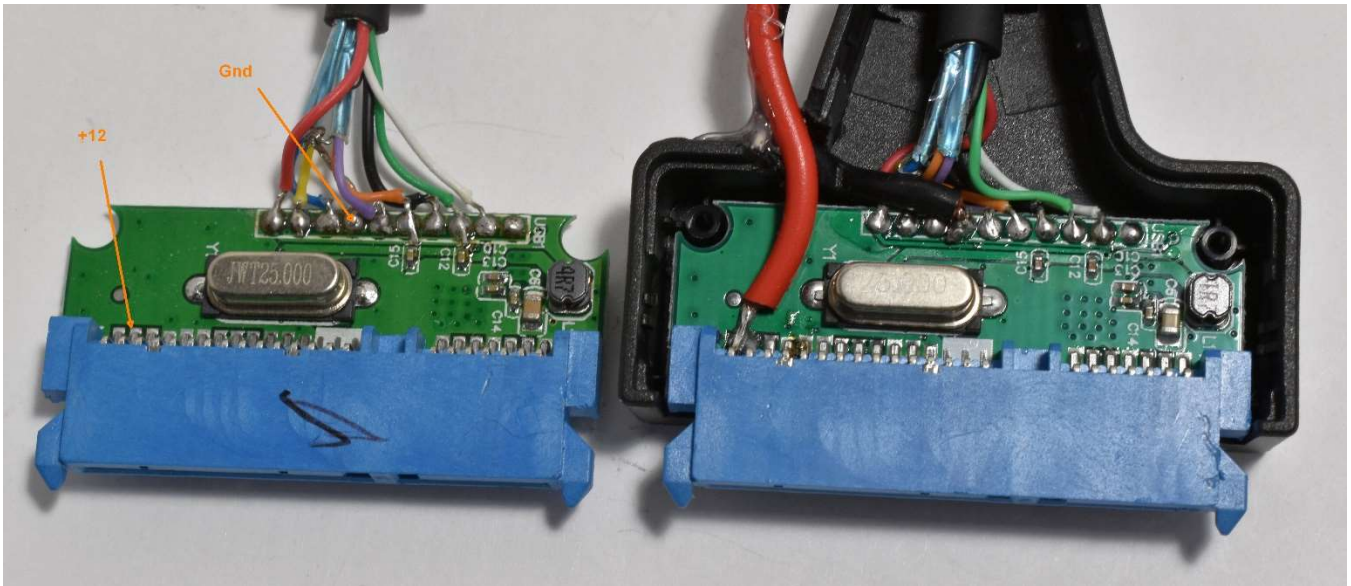


See the photos below:

With the plastic cover off, you can see that the 3 pins shown on the far left are not connected to anything. However, these are intended for +12V, required for the old hard disk drives to run.

On the right, solder the red wire to 1 or more of these pins.

Similarly the negative (gnd) lead of the 12 v is connected to the 4<sup>th</sup> pin from the left, where the shield grounds are connected.



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