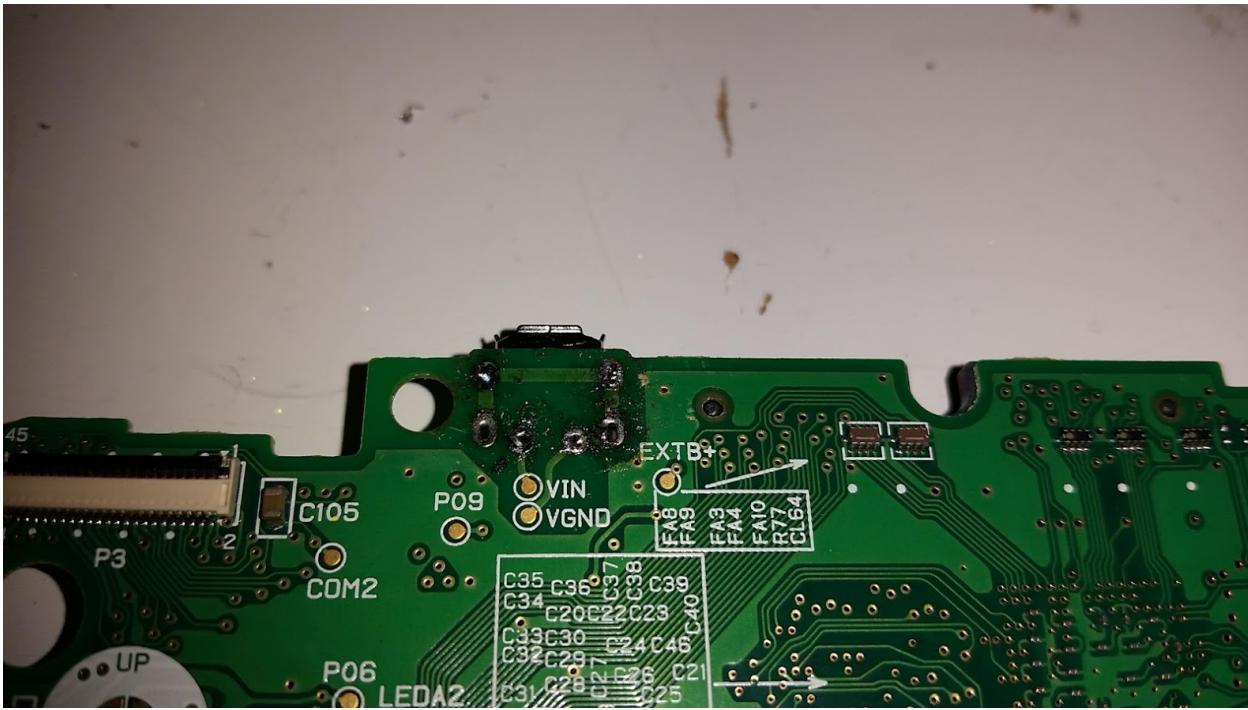


DS Lite Micro USB Charging







The first thing you're going to need is a compatible micro USB connector. I have previously tried to do it with the ones readily available on Amazon/Ebay which are 5-pin connectors, but I wasn't able to get a 5-pin connector to work. I was able to find a micro USB connector with 2 pins [here](#), as most manufacturers don't make them anymore to my knowledge (2 pin doesn't allow for data transfer, which almost every device with a micro usb port supports). You'll also need a soldering iron, solder, as well as some way to remove solder (I have a solder sucker but solder wick probably will work better), as well as some sort of pliers or tweezers will help.

1. Take off the back cover of the DS lite and remove the motherboard from the DS lite. It's probably easiest if you unplug the screens and digitizer so there are no wires connected to the motherboard and you can move it in any orientation without worrying about the rest of the hardware.
2. Take off the original DS lite charging connector. I would recommend just removing the solder, as if you try to cut it off, you're going to need to remove the solder anyways and you risk cutting a component on the motherboard.
3. Remove all solder from the two holes that the pins will go into as well as the two connection points closest to the edge of the motherboard. This is where the connector will go into.
4. Prepare the micro USB connector. Bend the 2 pins of the connector down to be parallel to the legs. Bend the pins and legs of the connector out a little bit to make their spacing fit into the holes. You may need to fiddle with them a bit to get the spacing right.
5. Put the micro USB connector into the motherboard. You may need to remove more solder from the holes so they all go through. Both pins and legs should go through the holes, for a good connection.
6. Reassemble the DS lite, testing whenever you see fit.

Be aware that the DS lite only supports approx 5V 1A in, meaning that most fast charge USB ports could possibly damage the system if they deliver over 1 amp. It is safest to stick with a slow-charge port and/or verify that whatever you plug it into delivers only up to 1 amp.

Something like this should work

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