



Linksys e1200 Wireless Router Ethernet Port Replacement

A guide specifically designed to repair the ethernet port of a linksys E1200 wireless router. This guide can also be utilized for any other ethernet devices.

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INTRODUCTION

This repair will require using a soldering iron to remove and replace damaged Ethernet ports. This is very delicate operation, involving 8 contacts per port. Be very careful as to not gob the solder around, and do not damage the Printed Circuit board.



TOOLS:

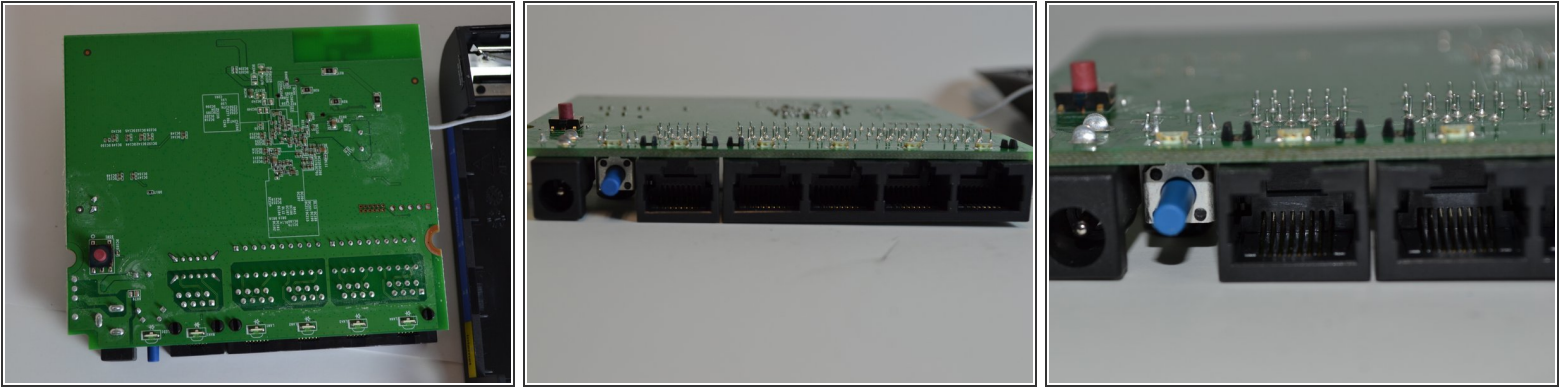
- [Soldering Workstation](#) (1)
- [Rosin Flux](#) (1)
- [Desoldering Braid](#) (1)



PARTS:

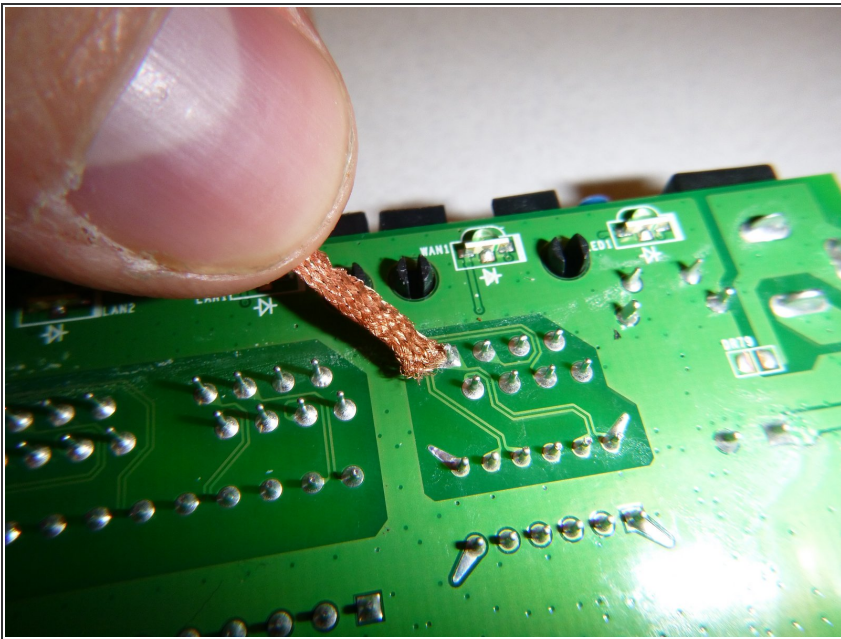
- [JM1041-CN05-4F 1C8CA 2-port Ethernet plug](#) (1)
- [JM10111-CN04-4F 1BNCB 1-port Ethernet plug](#) (1)

Step 1 — Ethernet Port



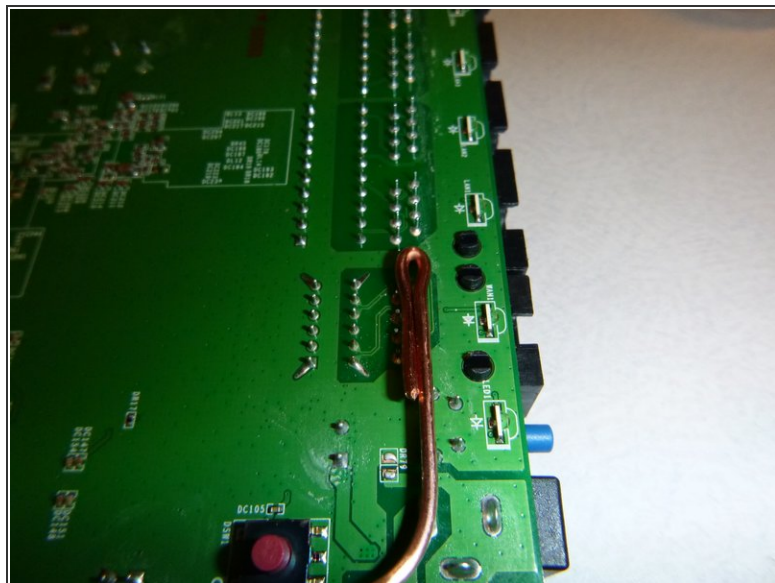
- The PC board is loosely attached to the plastic base. Note the micro-soldered terminals on the Ethernet ports. These are very small and require significant expertise to desolder and replace.

Step 2



- Do to modern manufacturing, you will need to cover the area in solder flux; it is messy, so be careful.
- Prep your desoldering braid by pulling it into a shape that will allow it to contact the solder on the board itself.
- Touch the soldering iron to the top of the contact after it has heated sufficiently; the flux will melt, as will the solder, and both should flow into the desoldering braid.

Step 3



- After removing all of the solder from each terminal, you may try pushing out the ethernet port. If it won't go, you need to remove more solder.
- If necessary, you will need to make a custom tool to touch all of the contacts at once. This one is made of bent copper wire and can replace the tip on a pencil-style soldering iron.

Step 4



- Once the ethernet port is removed, you may replace it (or anything else you had to remove), and solder it to the circuit board.
- You can find many fine soldering guides online, here is a recommended one:
<http://www.wikihow.com/Solder-%28Electro...> Remember to add flux to the joint prior to soldering.

To reassemble your device, follow these instructions in reverse order.