

OpenEVSE

How to build OpenEVSE LCD kits

This guide will walk you through a build of the OpenEVSE LCD "Quick Kit"

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**TOOLS:**

- [Soldering Iron](#) (1)

**PARTS:**

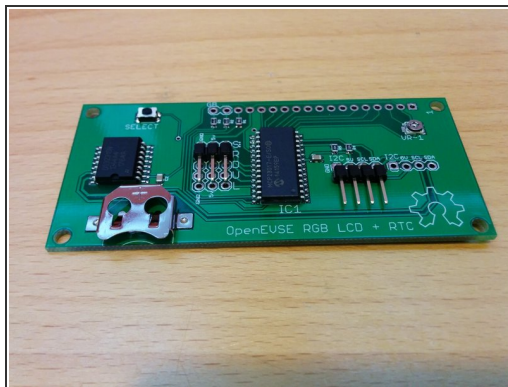
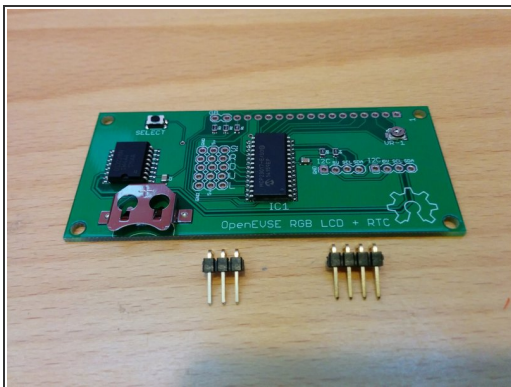
- [OpenEVSE LCD](#) (1)

Step 1 — How to build OpenEVSE LCD kits



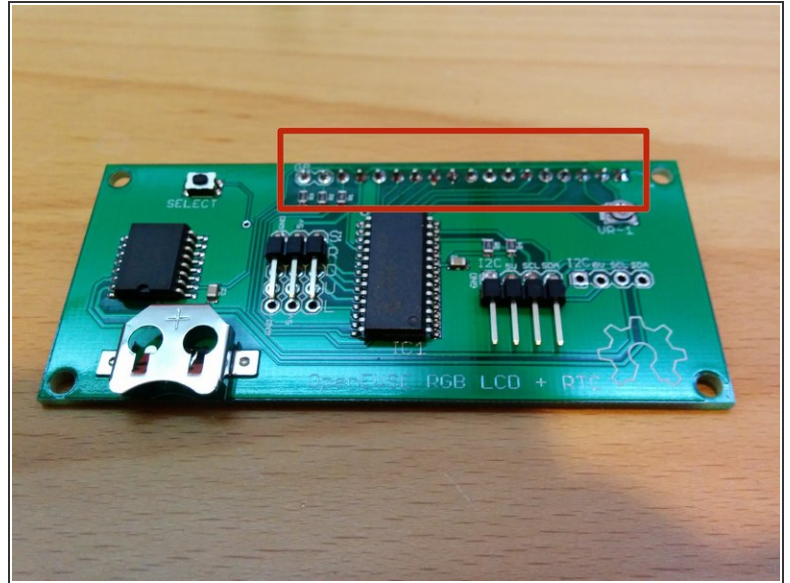
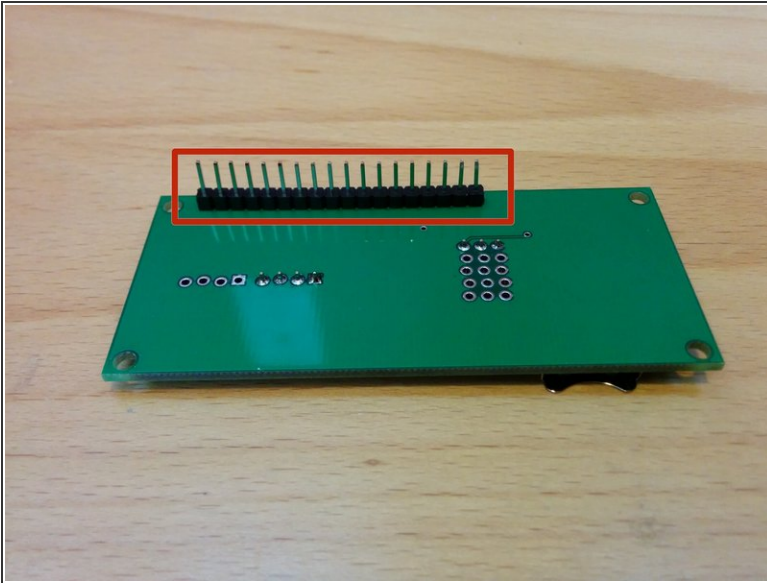
- Carefully remove all the components from the anti-static bag.

Step 2 — Header Pins



- Solder the 3&4 pin right angle headers to the OpenEVSE LCD logic board.

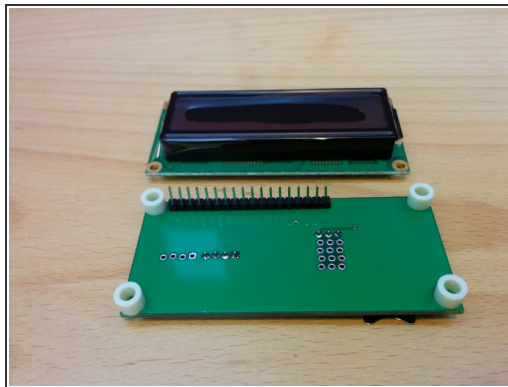
Step 3 — LCD board to board pins



! Solder the 16 (Mono LCD) or 18 (RGB LCD) pin header on the bottom of OpenEVSE logic board (solder from the top - pins on bottom) See picture 1 and 2.

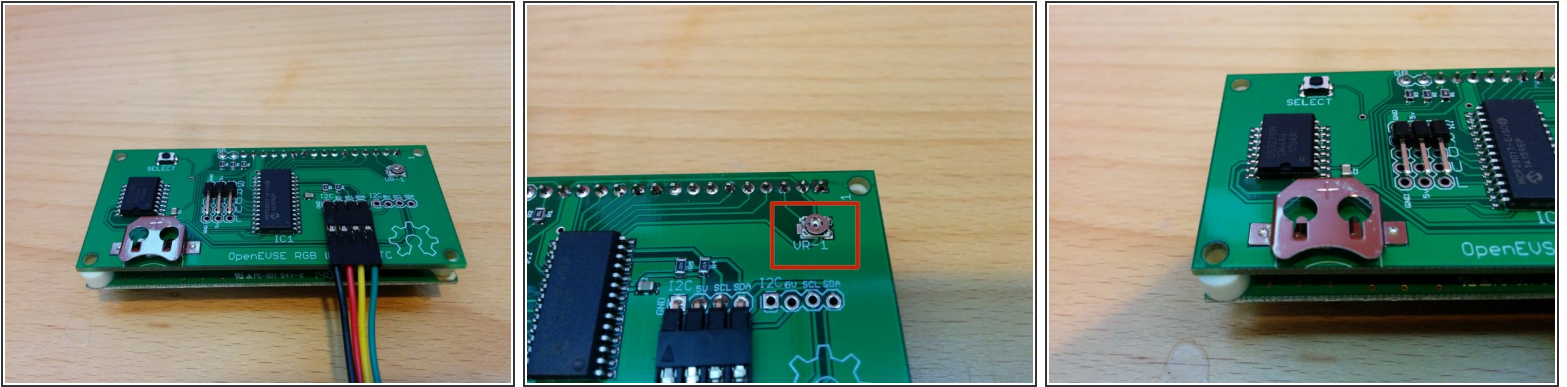
i Do not install header pins in the G & B holes if you are building a Mono LCD.

Step 4 — Solder LCD to logic board



- Place nylon spacers on each corner of the logic board.
- Position LCD module on top of the spacers and solder in place.

Step 5 — Connect cable and adjust contrast

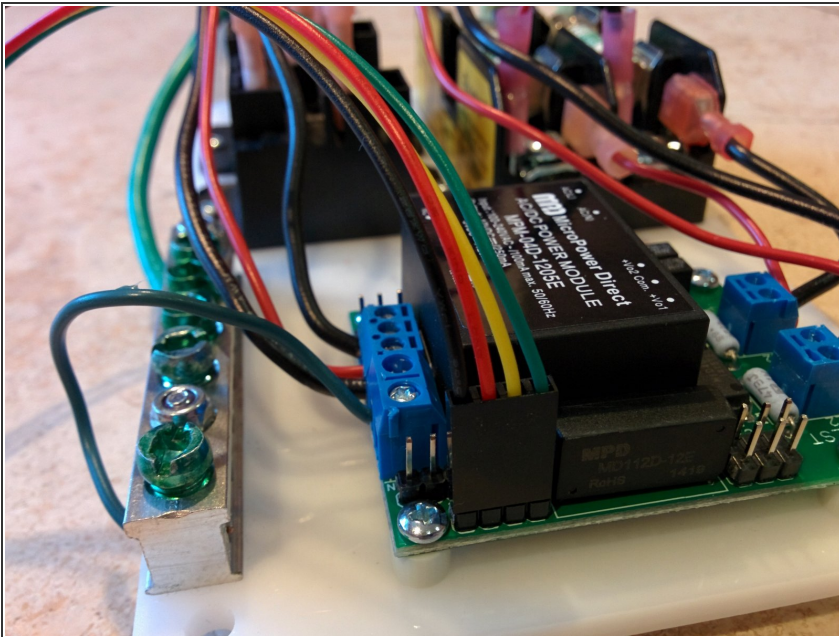


- Connect 4 pin cable to the logic board with ground on the left side. Cable colors may vary.

⚠ Adjust contrast with VR-1 pot.

- ① Optional - Insert a CR1216 or CR1220 coin cell battery if you wish to keep current time after power failure with the Real Time Clock option.

Step 6 — Connect to OpenEVSE



- Connect 4 pin LCD cable to the OpenEVSE board.
- ① Ground pin is closest to board edge.