



If you have any thoughts about the mounting process do not hesitate to contact info@eowave.com

Building the Kit

This is a beginners kit, but you should have some soldering skills and you must know the correct direction to install ICs and capacitors. Eowave is not responsible if you solder a component in the wrong direction or if by consequence any components are destroyed

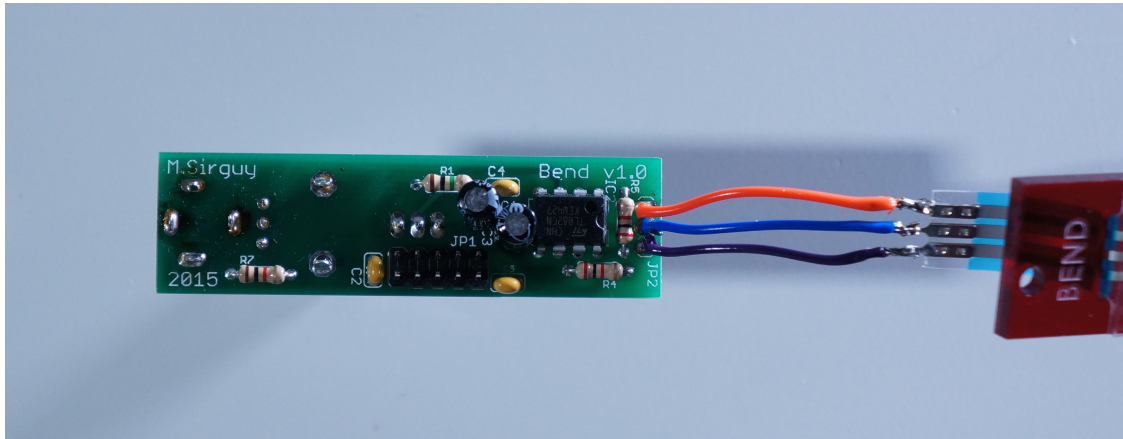
**Read the instructions carefully before starting to solder.
Use the pictures to verify the placement if you have any doubts**

You can google 'resistor code calculator' to work out the resistor values from the coloured bands, or even better, use a multimeter

This kit is mounted on two sides, components on one side, mechanical parts on the other. Start with the component side

Place and solder components in the order advised:

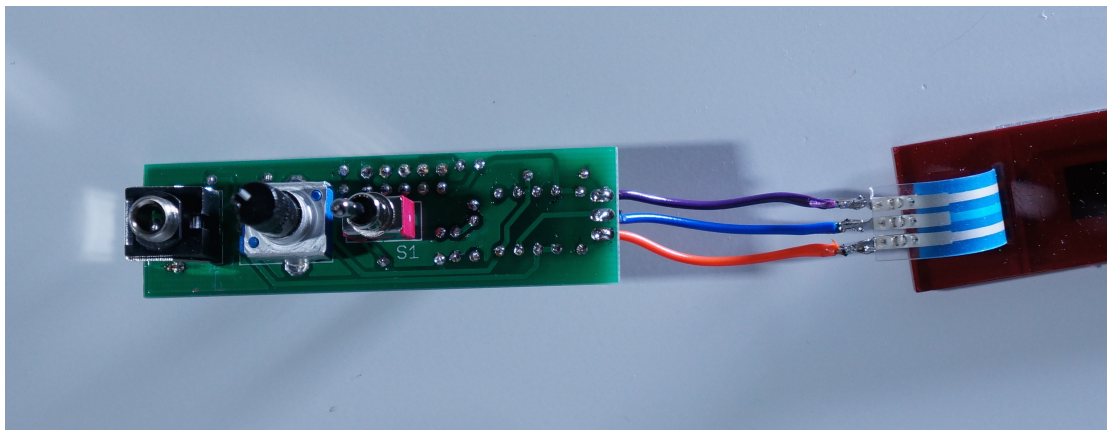
- resistors
- touch strip wiring
- capacitors C2, C4, C5
- chip
- header
- capacitors C1, C3



Now mount the mechanical side

Place and solder components in the order advised below:

- minijack
- switch
- potentiometer

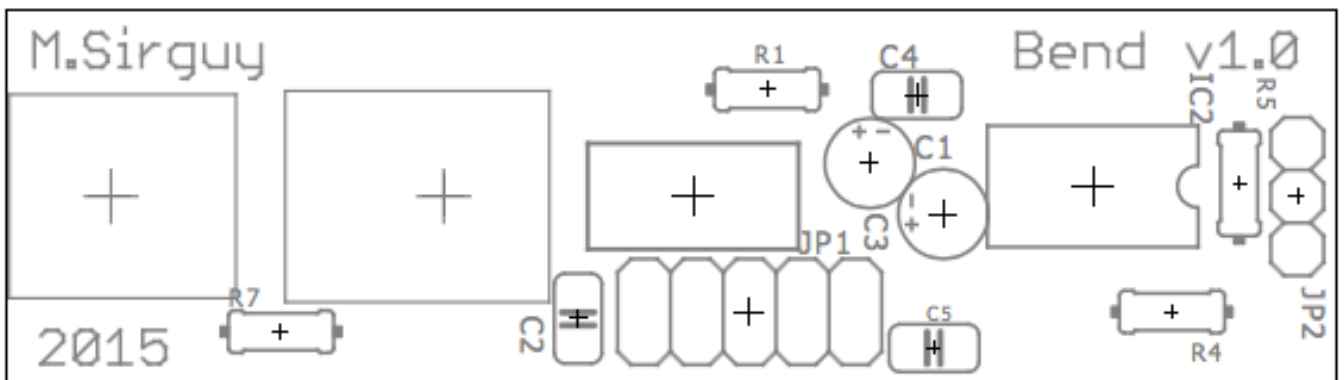


The last step is fitting and soldering the touch strip. Fit it through the panel, lie the panel and circuit board flat with the tops facing each other. Solder the three bits of wiring to the touch strip. Mount the front panel. Peel off the back of the adhesive on the sensor and flatten against the panel

Fit the ribbon cable with the red strip facing towards the bottom of the PCB

TESTS

Plug the finished Bend module into your bus board, taking care with the placement of the red stripe. Patch the bend into the CV in of another module and test the functionality



Qty	Value	Notes	Parts	Description
1	1k	R-EU_0204/7	R7	RESISTOR
2	2k	R-EU_0204/7	R4, R5	RESISTOR
1	1M	R-EU_0204/7	R1	RESISTOR
3	Wiring		JP2	3 x Wire
3	100nf	Marked 104	C2, C4, C5	CAPACITOR
1	TL082		IC2	OP AMP
1		PINHD-2X5	JP1	PIN HEADER
2	47uf	CPOL-EUE2-4	C1, C3	POLARIZED CAPACITOR
1	301S-MINI JACK	301S-MINI JACK	U\$2	
1	TL32PO	TL32PO	S1	TINY SWITCH ON - MOM
1		POT09SNAP	SNAP1	B100K
1		Touch Sensor		