

# Order instructions for SourceBots power/motor boards (July 2019)

## Part I: details for power board

1. Go to <https://uk.beta-layout.com/pcb/configurator/>
2. Click “choose a file” and select the attached file “power-gerbers.zip”.
3. Select “Rigid”
4. Select “4 layers”
5. Scroll down and click “Full Options”
6. Fill in the options as follows:
  - Panel: “Single PCB”
  - Dimensions: leave it as it is
  - Quantity: 17
  - Processing: leave “Internal routing” unchecked
  - Base material: leave as “FR4, 35 um Cu, 1.6mm”
  - Soldermask: yes
  - Silkscreen: yes, both sides
  - Surface: HAL
  - Layout specifications: leave it as it is
  - Edge plating: leave it as it is
  - Overdelivery: no
  - E-test: inclusive
  - Lead time: the maximum (6 working days)
  - File format: leave as “EXT. GERBER”
  - Project name: “power”
  - Free stencil: leave it as it is
  - Assembly: yes
  - Qty PCBs to be assembled: 17
  - SMT components per PCB: 190
  - THT components per PCB: 15
  - Component assembly: single sided
  - Components: need to be ordered for me
  - Delivery time in WD: the maximum (16)
  - Series production: no
7. Check “total order value” (in the sidebar on the right) is 1547.20 EUR net / 1903.06 EUR gross.
8. Click “add to shopping basket”.

## Part II: details for motor board

9. Go back to <https://uk.beta-layout.com/pcb/configurator/>
10. Click “choose a file” and select the attached file “motor-gerbers.zip”.
11. Select “Rigid”

12. Select "4 layers"
13. Scroll down and click "Full Options"
14. Fill in the options as follows:
  - Panel: "Single PCB"
  - Dimensions: leave it as it is
  - Quantity: 16
  - Processing: leave "Internal routing" unchecked
  - Base material: leave as "FR4, 35 um Cu, 1.6mm"
  - Soldermask: yes
  - Silkscreen: yes, both sides
  - Surface: HAL
  - Layout specifications: leave it as it is
  - Edge plating: leave it as it is
  - Overdelivery: no
  - E-test: inclusive
  - Lead time: the maximum (6 working days)
  - File format: leave as "EXT. GERBER"
  - Project name: "power"
  - Free stencil: leave it as it is
  - Assembly: yes
  - Qty PCBs to be assembled: 16
  - SMT components per PCB: 156
  - THT components per PCB: 8
  - Component assembly: single sided
  - Components: need to be ordered for me
  - Delivery time in WD: the maximum (16)
  - Series production: no
15. Check "total order value" (in the sidebar on the right) is 1243.08 EUR net / 1528.99 EUR gross.
16. Click "add to shopping basket".

### **Part III: shipping/billing information**

17. Ensure "destination of delivery" is set to "United Kingdom".
18. Select whichever of "Courier Express" and "Courier Economy" shipping is cheapest.
19. Click "proceed to checkout".
20. Customer account: create a customer account (or log in if you have one already). This account will be needed later in order to upload the rest of the production files and check the status of the order.
21. Billing address: enter as required for payment.
22. Delivery address: enter an address at which the manufactured goods can be received.
23. Technical contact person: click create and enter my details:
  - Form of address: Mr
  - First name: Kier

Surname: Davis

E-Mail: kdavis@sourcebots.co.uk

Telephone: 07450093645

Then press "save".

24. E-Mail Production controlling for PCB:

Tick "preview manufacturing data as PDF"

Set "production stages" to "as text information"

Then press "save".

25. Familiarise yourself with the documents listed in the Download section, particularly the one titled Customer Information.

26. Scroll back up, select "Type of payment" and follow any instructions as required (e.g. entering card details).

27. Copy and paste the contents of the attached file "special-instructions-power-motor.txt" into the Special Instructions box.

28. Click "proceed with order".

29. Follow any further instructions if needed until the order is complete.