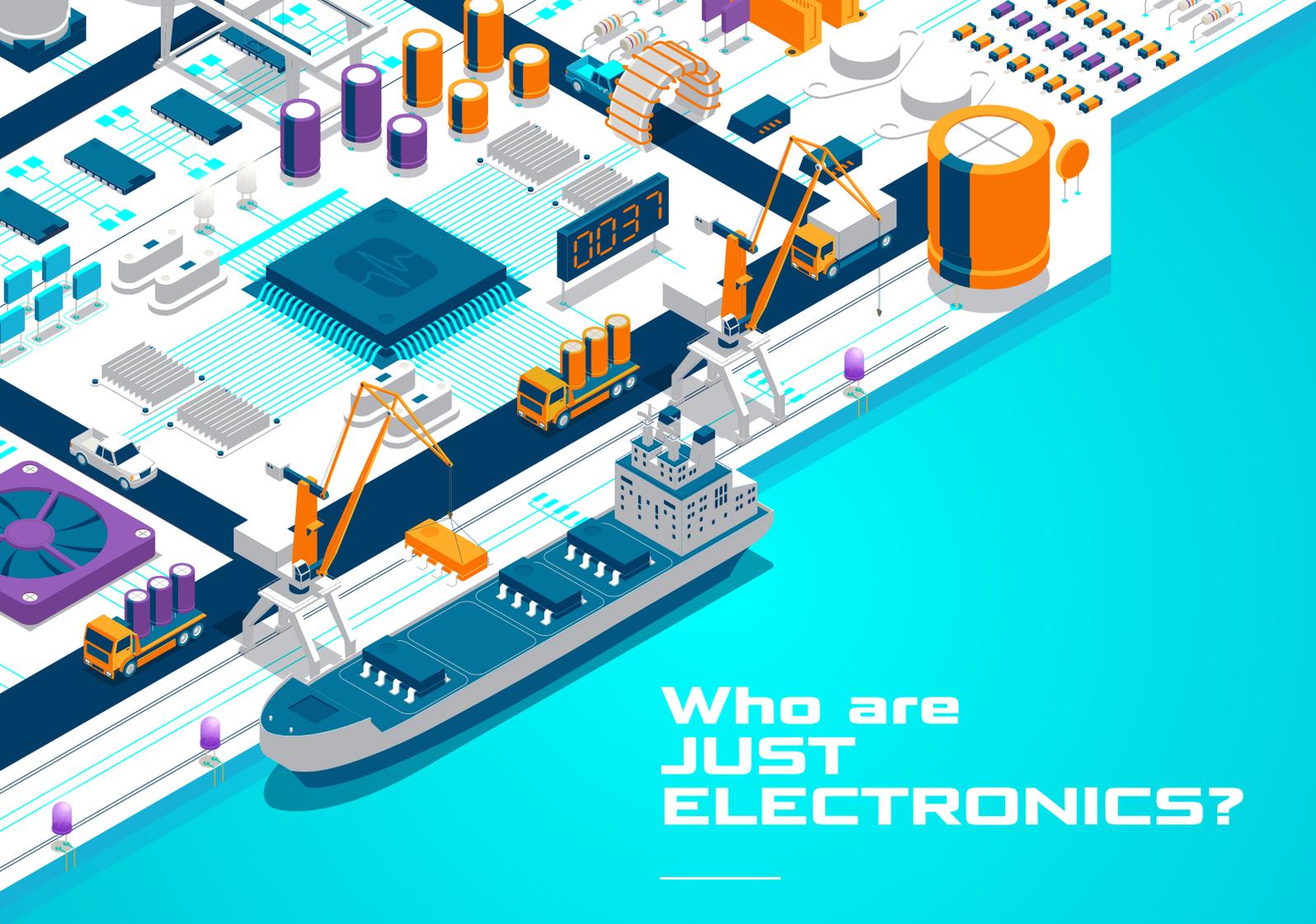




# CONTRACT ELECTRONICS MANUFACTURING

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*from Purchasing  
to Finished Product  
with a Personal Touch*



Who are  
**JUST**  
**ELECTRONICS?**

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We are a contract electronics manufacturer (CEM) that specializes in small-to-medium runs of mainly hand-built electronic assemblies and box builds, filling the gap where automation is not possible. Laboratory equipment, niche audio, power distribution, and X-ray generation are just some of the industry sectors we have already supplied.

We can help you get your designs into production by doing a lot more than *just* electronics!

Our team are passionate about what we do, and have experience in many different areas. Being a small company allows us to react quickly to changes, and we've been in business over 10 years, working with large and small organisations, talking to designers and buyers to make sure we get things right on time each time, so our customers keep coming back.

## **These are *Just* standard**

- We typically work on batches of 5 to 100 items, but also assemble one-offs up to 1000+ orders - *just* ask!
- By default, we handle everything as being static-sensitive, and treat finished products as if they were our own.
- We can use free-issue parts, can purchase on your behalf, or do a mixture of both - what ever works for you.
- We are happy to sign NDAs/confidentiality agreements, and do our utmost to comply with GDPR.
- We can often work from minimal information, although obviously the more that is available, the better.
- We realise that designs may change during production for all sorts of reasons, and being a smaller company without large production lines, we can be very flexible in implementing adjustments quickly.
- We run a computer system that was designed in-house, tailored to making our business work as efficiently as possible, and to provide accurate and up-to-date information, either if you ring or email us, or via its web interface.
- We don't have loads of levels of management, and we do all talk to each other, so getting answers doesn't normally take too long. If we've missed responding to a call or an email, it's usually an accident!

# PCB Assembly

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From simple single-sided PCBs to much more complex double-sided multi-layer mixed-technology designs, we build them all - and mainly by hand. Larger runs of SMD boards can be placed by hand or by machine, and soldered in our reflow oven. For smaller runs, we offer fine-pitch hand soldering. Whether you need 1 or 1000, we *just* might be able to help!

- Hand assembly and soldering for through-hole
- Hand and/or machine assembly for SMD with hot air reflow oven
- Fine-pitch hand soldering down to 0402
- Standard board finishes are Nickel-Gold or HASL, but others are available on request
- Express or full-size Paste Screens/Stencils
- Aqueous Cleaning, Chemical Spot-Cleaning, or No-Clean Solder
- IC Programming on-board and off-board
- Inspection - AOI, and Manual with 100x magnifier
- Testing with customer-supplied equipment/test sets
- Standard turnaround is 20 working days (if we purchase PCBs), but much faster turnarounds are possible



# Box Builds

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We assemble, test, and certify products using your procedures, or working out the best method from your paperwork. We use our assembly experience to help reduce costs by simplifying and streamlining build steps. Finished goods can be sent back to you for further processes, or made ready for your end customers - and even dispatched direct to them - in your defined packaging.

- Electronic, electro-mechanical and mechanical assembly
- Programming of finished products
- Encapsulation/potting
- Testing using your specified methods and/or equipment, with Test Certification if requested
- Portable Appliance Testing (PAT) of finished products
- Calibration of product to your specifications with Certification
- Packaging ready for your end customer, retail packaging, or just for general transporting
- Modifications/Refurbishments

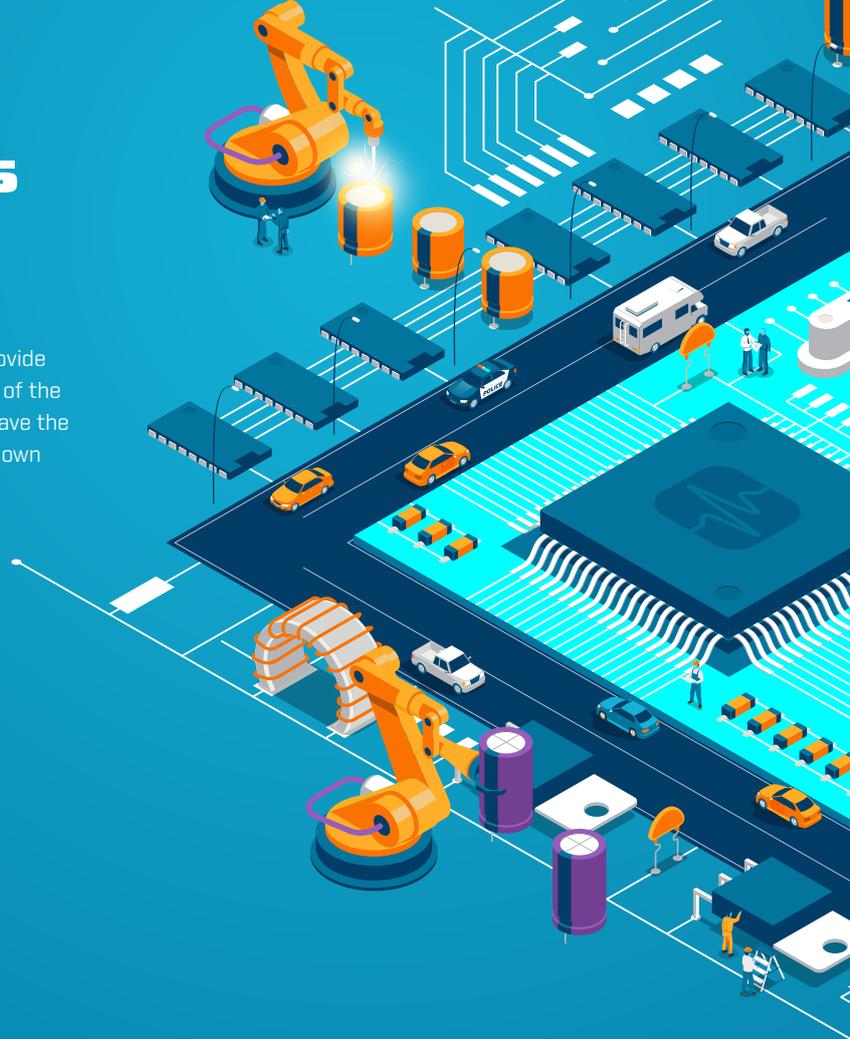


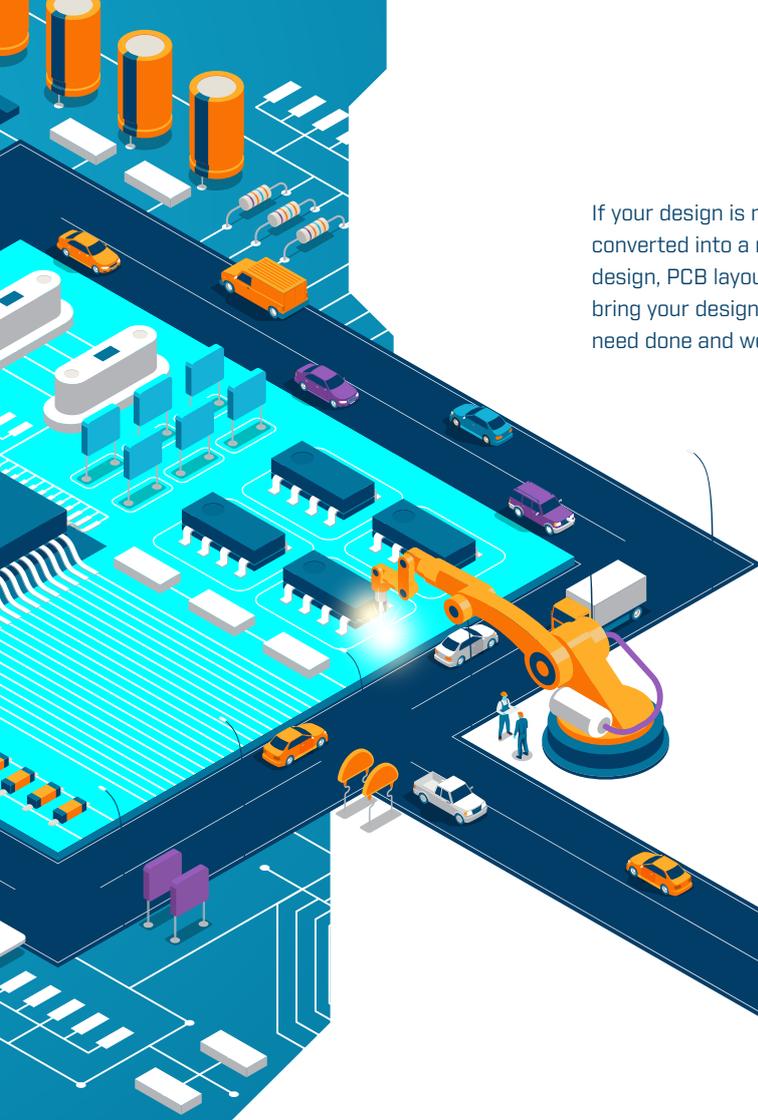
# Other services

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Although we specialise in the manufacture of PCB and box build assemblies, we offer much more than *just* those services. We provide additional and complementary solutions so that you can have all of the manufacturing for your product handled in one place. Why not leave the management of multiple stages to us, rather than using up your own time to keep things under control?

- Storage of your bulk free-issue parts in readiness for assembly work
- Storage of your finished products ready for later dispatch to end customers
- Assistance with circuit design, PCB layout, and design-for-manufacture
- Purchasing/Procurement of all or some of the parts
- Obtaining obsolete and hard-to-find components
- Cable Assembly (small-scale)
- Modifications to products built by us or others
- Part-builds of any products to allow for section-by-section testing and proving





If your design is not yet ready to be manufactured, we can assist with getting your ideas converted into a real product. We have good contacts with people who can handle electronic design, PCB layout, metalwork, plastics, and many other supporting functions which will help bring your design to life. These lists are not complete - *just* ask if there is something you need done and we will do our best to help.

- Project Management
- Repairs - whether or not we originally built the product. We'll have a go at almost anything except domestic white goods!
- Split jobs, KanBan orders, Scheduled orders and small call-offs to meet sudden demands or for convenience
- Fault Finding
- Dispatch using our couriers, your couriers, or Royal Mail
- Prototypes of PCB assemblies, electronic items, box build products, and concepts which are not yet fully developed.

***You name it - we are here to help in any way we can!***



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## Just Electronics Ltd.

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