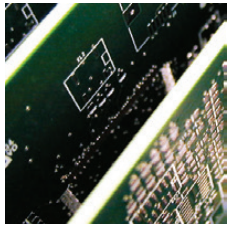
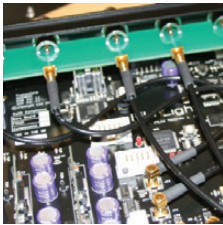
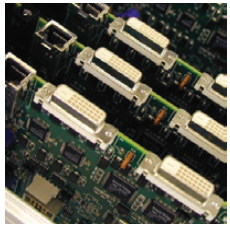
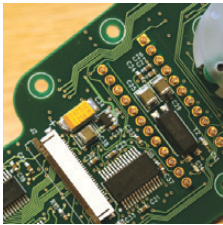


HCD



www.hcd.uk.com

A TOTAL SOLUTION FOR ALL YOUR CONTRACT ELECTRONICS MANUFACTURING



DESIGN

MANUFACTURE

ASSEMBLY



SERVICES THAT FIT TOGETHER PERFECTLY

WHO ARE HCD

We are a Sub Contract Electronics Manufacturer who truly understands the concepts of Design for Manufacture and the difference it can make to your bottom line. Having started life as a PCB design service over 20 years ago we have evolved to offer the full spectrum of electronics manufacturing services, while retaining that core design philosophy at our heart. This carries across all our services from fast turnaround PCB prototype assembly right through to full production assembly and box build.

WHY USE HCD

From initial quotation right through to the delivery of your finished product your satisfaction is paramount to us.

This starts before you even place an order, as we will always carry out obsolescence and stock availability checks on the bill of materials, as well as a design for manufacture check at the time of quotation rather than waiting until an order has been placed. That way if we identify any issues we can discuss them with you, along with possible suggestions how they might be resolved well before they become a problem. Our customers appreciate this approach as it allows them to feel comfortable that the chances of costly surprises down the line have been minimised.

This approach continues throughout the whole manufacturing cycle for both prototype and production, as we will continue working with you, keeping your costs down and our quality high.

WE OFFER A FULL RANGE OF SERVICES



DESIGN

Between our in-house expertise and carefully chosen partners we can service all your electronics design requirements. Covering all aspects of digital and analogue circuits, including schematic design, PCB design and prototyping.



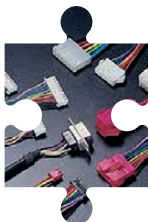
ASSEMBLY – PROTOTYPES

Prototype PCB assembly has been one of the core services HCD have provided since we started over 20 years ago, and offers some of the fastest turnaround times in the industry for both SMT and Through Hole assembly. But it's no good having it fast if quality suffers. All our work is rigorously inspected, passing through multiple inspection stages during the build.



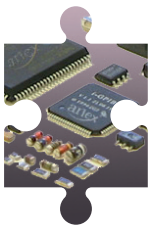
ASSEMBLY – PRODUCTION

HCD can also help you with all the steps that follow on too, with our ever expanding production assembly service. Using state of the art pick & place machines that can accurately place up to 25,000 SMT components an hour, down to 01005's. Advanced AOI confirms every board is built right every time to our high quality standards. On top of this, add our highly skilled hand assembly team and you have a winning formula for all your production assembly requirements.



ASSEMBLY – CABLES & LOOMS

HCD have the capability to supply all your cable harness and loom requirements. Using our automated cut & strip and crimp machines we can produce consistent high quality products, regardless whether it's a one-off prototype or batches of thousands.



COMPONENT KITTING

HCD offers a full Kitting service covering all electronic components, metalwork and bare PCBs. Using this service allows you to place just one order with us and we will do the rest. We only ever source direct from manufacturers or their authorised distributors, protecting you against counterfeit components at the best prices.



TEST & PROGRAMMING

HCD can upload any software/firmware to the finished assemblies. We can also test all your finished PCB assemblies to suit your individual requirements, from just a simple power on test to full functional testing including dedicated test rig design and manufacture.



BOX BUILD

HCD offers a complete Box Build service that can be individually tailored to meet your requirements. This accompanied with our other services provide a full turnkey solution for all your finished products. True design / prototype through to the final production, all under one roof.



REWORKS

Whether you have a product with a design flaw or manufacturing issue, our rework service may be able to save you having to throw away what you already have and instead make the necessary modifications to enable the product to work. Changing components, cutting tracks, adding wire mods or BGA Rework we carry this out to the highest standards.



DESIGN FOR MANUFACTURE

Running throughout all our services is the deep routed concept of Design and flowing from that the principles of good Design for Manufacture. We use our extensive pool of design and manufacturing knowledge to help you achieve the highest quality electronics for the best value possible.

WHAT OUR CUSTOMERS HAVE TO SAY ABOUT US...

"I have never had prototypes back so quickly."

Production manager - large multi-national

"Thank you very much, it was a first class service yesterday really appreciate it"

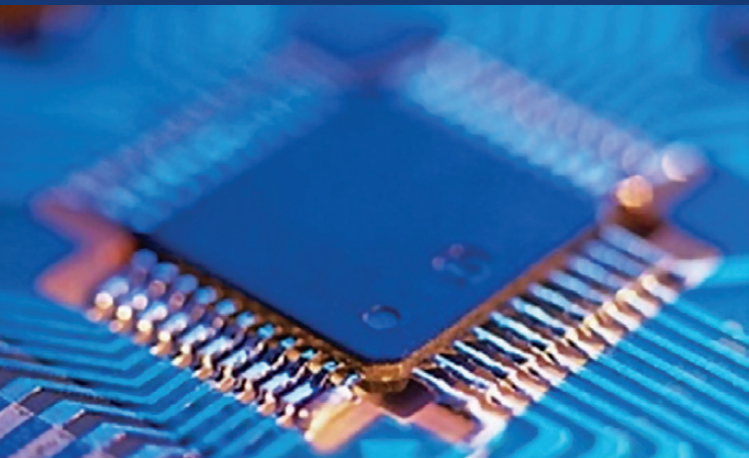
Principal Systems Engineer - large multi-national

"We've been working with HCD for 6 years; the fantastic working relationship and support we receive from the team there lead to our bringing more and more of our projects to HCD and has been a massive contributor to our success. From early ideas through to current production sub-assemblies and final products, HCD play a large part in making these projects a success. They are not your standard sub contract partner, they clearly care about their work and the success of their clients."

Technical Director – Hanger19

"We have primarily used HCD's PCB manufacture/assembly services, which have always been excellent quality, even under some extremely rapid turnaround conditions. They are willing to share their technical expertise to aid our understanding into the future. They have always been able to respond quickly, flexibly and knowledgeably to all our enquiries in an extremely professional and approachable manner, in some very demanding situations. We will continue to work with them into the future as I have not found this level of skills, service and knowledge elsewhere in the industry. "

Electronics Development Manager - Deb Group



- **PCB Assembly**
- **PCB Manufacture**
- **Prototype and Volume**
- **Component Procurement**
- **PCB Design**
- **BGA Rework/Inspection**
- **Cable/ Loom Assembly**
- **Final Build / Test**

HCD

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