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About Electroparts



Carol Swallow, Managing Director

"Putting the customer at the forefront of our decision-making has seen us investing heavily to improve our production processes and extend our support capabilities, offering a full and reliable CEM service."

Complex Cable and Wiring, PCB and Box Turnkey requirements demand the best. A leading Yorkshire-based technical sub-contractor for small and medium batch electronics, Electroparts makes sense of your manufacturing requirements from design to delivery to meet your critical production needs.

Our company began operating in 1990, using customer specifications to manufacture simple electronic assemblies in the north of England. Since then, the commitment of our leadership team and a united ambition to grow has seen us evolve into a CEM powerhouse capable of assembling thousands of complex units each day for customers of all sectors, locally, nationally and internationally.

The team are always on hand to support our customers, old and new, with their critical requirements, whether a one-off prototype or a several-hundred run of modules to assemble. An experienced and highly qualified team, cutting-edge manufacturing equipment and embedded leading quality processes allow us to react quickly, whatever the solution demands.



What our customers say?

"We have found Electroparts to be professional, reliable and accurate in the various products they manufacture for ourselves. These products range from PCB creation, switches and various complex cabling provision. We always receive rapid responses to queries or additional requests from quotation through to delivery."

D. Parker, Operations Manager, Medizine

By adopting efficient processes including Lean manufacturing, implementing new technology and building quality assurance into our workflows, Electroparts has extended its offering to provide a complete service to customers for their electronic manufacturing needs.

Key Services

- Fully automated Surface Mount Pick and Place PCB assembly and Conventional THP flow solder assembly
- Repair/Rework/Prototype processing using IPC-certificated technicians
- Technical, Commercial and Bespoke cable and wiring loom assembly, including work away
- Chassis and Panel wiring, DIN rail assembly and HazardEx assembly
- Light engineering - drill and tap, punch, rail and bar cutting, and engraving.

A reliable and responsive manufacturing service starts with our people.

A team of innovators, we are united in delivering the right solutions for our customers using the most efficient and appropriate method for the project.

This has helped push us forward from our inception to the present day, underpinning everything we achieve as a team to advance the company and our industry forward, with each member aligned on our common goal.



Our Process

- Send us your information, be it full specifications with drawings or a mocked up sample
- Quick turnaround on your enquiries
- Fast conversion to production
- Excellent project management
- Outstanding customer service.

Collectively, our leaders have several decades of expertise in the CEM industry, giving optimum assurance to our customers of delivering a high-quality solution.

Experience filters through our organisation, allowing us to cover all facets of manufacturing, including contracts, project management, quality control, strategic planning, supply chain, training, and technical support.

Recruits undergo a thorough induction and basic training process, setting each individual on their way correctly within a monitored environment where high performance and Lean principles are embedded. On-going, regular one-to-one reviews, training and mentoring keep our teams aligned to their daily commitments while on track toward their personal goals.

Promoting work/life balance, resilience, and personal development ensures each individual is committed, content and empowered to advance their career with Electroparts through visible achievement in their performance.

We welcome the opportunity to provide a quote for any of your requirements. We work closely with our customers to provide the best option, competitive costings and quality workmanship.



PCB Assembly Solutions



Malcolm Longley, SMT/ PCBA Specialist Technician

"We receive many design specifications at Electroparts, often having to react at speed to turn a project around quickly, which is achieved every time despite how many units on the manufacturing line."

As manufacturers of electrical devices, from functional appliances to critical life-saving equipment. You must rely on PCB assemblies built and tested to the highest quality to ensure your customer receive products trusted to operate at their best.

For over thirty years, the experienced team at Electroparts has produced PCB assemblies using both surface-mount technology (SMT) and through-hole technology (THT). Produced to the highest standards to meet the needs of our customers specific requirements. A trusted one-stop solution for assembly using lean manufacturing methods and providing exceptional customer care.



Electroparts: The difference you can trust

Quality: Multiple IPC and ISO certifications ensures our production processes consistently exceed UK and global standards.

Experience: Supporting customers across many sectors since our inception to complete their projects on time and successfully.

Professional: A team of qualified engineers experienced in PCB manufacturing you can trust with your design concept through to delivery.

Flexible: Your project becomes ours, with the ability to scale up or down in line with your requirements, timeline and budget.

What our customers say?

"We are a small labelling machine manufacturer and have been working with Electroparts for many years. We have found them to be a reliable and trusted supplier of the various parts that they supply for our products. They are always there on the end of the phone to help with any queries and I wouldn't hesitate to recommend them to anyone looking for a company to provide bespoke PCBs, switches and wiring. Orders are dealt with promptly and communication is excellent from order inception through to delivery."

D. Townsend, Director, 3D Labelling Ltd

Technical Information

- ESE US-2000-X, A fully automatic screen printer with solder inspection
- Fully automated pick and place machine HANWHA SM482 PLUS. Parts sizes from 0201-42mm with option for 01005 and a placement capacity of 30,000 components per hour
- Replacement of our 5 zone reflow oven in 2021 to the 8 zone reflow oven TRA82
- Low volume manual paste
- APS Novastar Spartan 12S THP flow solder line, with Cosarnia Cropmatic auto component leg crop
- Vision Engineering Mantis and Cobra inspection scopes
- DCB Automation EasyVision AOI Inspection system
- ST325 and MBT Rework and Repair Platforms
- ERSB BGA Placement and Re-work station
- Prototype and first off build
- Medium volume SMT and THT PCB assembly
- Specialist Hand placement
- Rework and Modification to IPC7711A/7721A
- BGA placement
- All boards are profiled to ensure best solder flow.

A bespoke solution, all the way down the line

Our versatile, fully automated pick and place SMT line supports low volume/high-mix PCB assembly, including one-offs, prototypes, and low or medium production runs, produced by hand or using full P&P machine build.

Post-build PCB rework services include simple 'remove and replace' requirements and more complex needs such as QFP, QFN or BGA chip replacements. Repairs also include any damaged or broken tracks and additional wiring fitted.

Following your design stringently, the result is a trusted bespoke PCB solution whether you have requested our team to produce just 1 or 1,000.

ISO 9001:2015 Certified

**In-house training to IPC standards:
IPC 7711/7721, J-STD, WHMA-A-620 & A-610**



Full Turnkey and Box Build Assembly



Dominic Hancock, Sales Manager

"Our customer's requirements differ incredibly from one to the next. We treat each one as an individual, interpret the design and produce a bespoke solution to fulfil

At times, your project relies on more than PCB assembly or cabling to see it safely over the line. Using Electroparts as an experienced box build provider can simplify your supply chain, reduce lead times and the build costs, and see your products reaching the market faster.

For over three decades, the professional team at Electroparts has been servicing commercial businesses with box turnkey solutions, understanding and delivering on thousands of critical solution requirements quickly and efficiently.

Making your solution simple

With each requirement different; from a simple, small enclosure PCBA solution to a complex cabinet-style electromechanical system. Our comprehensive and reliable service includes all aspects of the build, including a thorough interpretation of your design specification, creating and testing the solution, and onto production.

From modular sub-assembly to full product manufacture, our complete solution offers full supply-chain management with experienced component sourcing, engineering, DIN and TAS rail cut and punch services, and supports mixed technology modules as part of your full box turnkey build

Electroparts: The difference you can trust

Quality: It's at the heart of every project, our production team always adhering to ISO and IPC certifications to produce the high standard of box turnkey assembly expected from us.

Experience: Manufacturing electrical components for over 30 years ensures a team well versed in all manner of projects, small or large, from across multiple industries.

Professional: Contract electrical manufacturing requires the utmost professionalism, which is a given when working with our highly experienced team.

Flexible: Whatever your requirement, our production line goes above and beyond your needs, from one-offs to large-scale box turnkey projects.

What our customers say?

"We have been using Electroparts for around 15 years for supply of cable assemblies. The quality and turnaround speed is excellent and they have a broad range of capabilities. We haven't found a crimp or insert they are unable to fit! We always get prompt replies and it is a pleasure dealing with Carol and the team."

P. Ellams, Engineering Director, Power Gems

Technical Information

- Harrison M300 Centre Lathe
- Ajax MD-20 Mill
- Meddings A10 Articulated Arm Drill Mark1
- Knuth compound table
- Femi NG120 Jigsaw
- Murex 160 Mig Weld
- Mastergrave GEM 1 Engraver
- Greenlee Gator LS60 Plus Hole Punch
- Weidmuller TSLD terminal/mounting rail cut/punch
- Mixed technology modules and sub-assemblies
- Metal/Composite enclosure customisation
- DIN rail cutting and punching service
- TAS mounting rail cut and punch
- Metal punching, cutting and drilling
- Stud welding, gas welding
- Sand and grit blasting
- Engraving and label printing services
- Light, low volume, Engineering facility, drilling, milling
- Good quality extensive assembly and storage facility
- Full internal and external independent inspection.

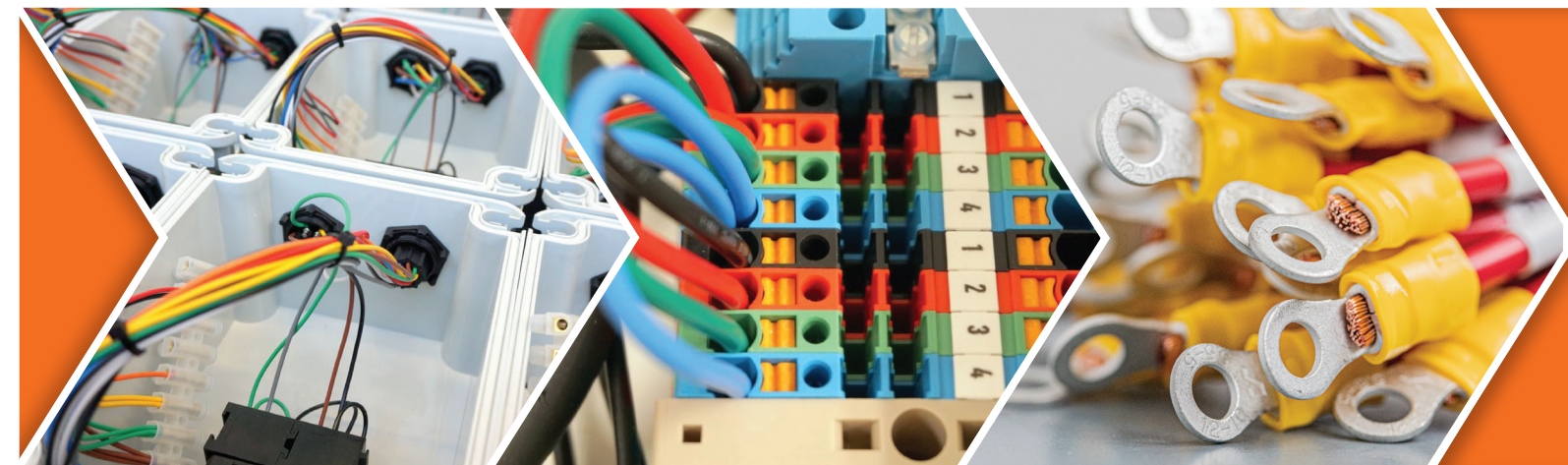
Quality Assurance

Electroparts has a small, broad capability designed to support light engineering needs for mixed technology, box build contracts.

Every box turnkey assembly project follows a quality process that is verifiable and fully traceable, including certificates of conformance and quality critical recording.



ISO 9001:2015 Certified
In-house training to IPC standards:
IPC 7711/7721, J-STD, WHMA-A-620 & A-610



Cable and Wiring Harness Assembly



Tony Field, QA and Training Supervisor

"It's about listening to our customer's needs and ensuring our team is skilled to manufacture a solution that incorporates the precise cables necessary for the product."

Whatever electrical product you're creating for your customer; from medical equipment to media solutions. It requires reliable cables to complete your assembly process, ensuring each item produced powers up precisely as designed, on-demand.

When your requirement involves technical cabling and wiring with critical attention to detail, trust the experts at Electroparts to support your needs, with experience in delivering highly complex solutions that bring your products to life.

Making your solution simple

With over three decades experience in bespoke cable and wiring solutions for industrial and commercial technology. Our IPC-skilled technicians work effectively to meet the cabling requirements across multiple sectors, from military and defence solutions to cutting-edge technology for the automotive, lighting, film, media, education and energy industries.

A complete service offering includes simple internal wiring modules, small pitch, signal and telecom, battery motive power, mains and power, and quality critical high-end technical harness assembly, supporting small to medium batches or volume production using automated and manual processes.

Electroparts: The difference you can trust

Quality: ISO and IPC certifications demonstrate our capability and commitment to producing cables and wiring to the highest international industry standards.

Experience: Over 30 years in the contract electrical manufacturing field, you're in safe hands with an experienced team who support hundreds of customers across multiple sectors.

Professional: Industry leaders and qualified engineers make up a team you can trust to oversee your project all the way down the line.

Flexible: One-offs, prototypes or medium volume production runs, a versatile facility and production line scales up or down to meet your requirement.

What our customers say?

"We are original equipment manufacturers of critical rail industry products and have partnered with Electroparts for a number of years. We consider them a trusted supplier; their dependability, flexibility and can-do attitude makes them good people to work with."

P. Clark, Managing Director, Comms Design Ltd

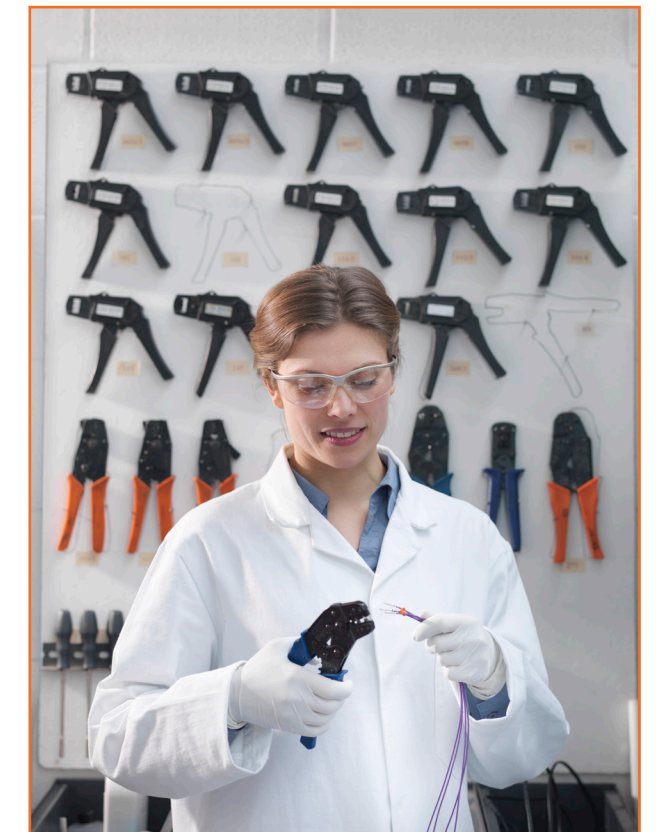
Technical Information

- Fully automatic Kodera C551S double-ended crimp leadmaker centre
- Fully automatic Kodera C550SZTS double-ended crimp and tin centre
- YP-64 Unitester, computer controlled continuity and variability testing
- Low, medium and high-volume cable, wire processing and loom assembly
- Multicore cable cut, strip, tin, crimp
- IDT/Ribbon, Co-ax specialist assembly
- Precision fine pitch soldering, lead free and leaded capability
- Quality critical, HazEx and batch traceable CofC systems
- Casting C351 20mm cut/strip capability
- AM all-round power sheath strip
- Schleuniger 207 Co-ax multistage strip centre
- Gamma semi-automatic strip/crimp machining
- Precision hand crimping capabilities
- Pancon ribbon processing
- Copper tube processing.



A complete service, from single crimp to complex harness manufacture.

Whether it's a single crimp solution or a complex harness, our team covers everything from following your design, to product delivery, managing every aspect of the cable assembly process to complete your project successfully.



Please call or email to request a copy of our latest comprehensive Crimp Tool matrix.

ISO 9001:2015 Certified
In-house training to IPC standards:
IPC 7711/7721, J-STD, WHMA-A-620 & A-610

