

— CONNECTING YOUR IDEAS —

FROM INITIAL
DESIGN CONCEPT
TO FINISHED PRODUCT,
CONTOUR ELECTRONICS
SPECIALISES IN THE
DELIVERY OF INNOVATIVE
ELECTRONIC SOLUTIONS

www.contourelectronics.com

CONNECTING YOUR IDEAS

OUR HEAD OFFICE IN HOOK IS WELL CONNECTED TO MAJOR TRANSPORT ROUTES, MEANING THAT WE CAN TYPICALLY DELIVER WITHIN 24-48 HOURS.

With locally held inventory, you can have peace of mind that your requirements will be met every time.



THE IDEAL LONG TERM SUPPLY PARTNER.

ESTABLISHED IN 1992, WE HAVE BEEN AT THE FOREFRONT OF ELECTRONICS INTERCONNECT TECHNOLOGY SPANNING MARKETS WHICH INCLUDE:



INDUSTRIAL

Contour Electronics focuses on supplying electronic solutions and cable assemblies to customers in key areas such as lighting, touch technology, industrial electronics, security, machine tools, white goods, automotive, aerospace and military equipment.



COMMUNICATIONS

We deliver solutions for leading OEM customers in specialised areas including surveillance, digital radio products, telecoms network equipment and personal alarm systems.



MEDICAL

We serve the medical device market by designing and manufacturing cable assemblies utilising our experience and engineering knowledge of bio-compatible and sterilisable materials.



ENERGY

Contour Electronics works with energy suppliers including renewable energy (eg wind turbines, solar), oil & gas exploration and nuclear.



ELECTRONIC MANUFACTURING SERVICES

A BESPOKE DESIGN AND MANUFACTURING SERVICE DELIVERING END-TO-END PRODUCT LIFECYCLE SOLUTIONS INCLUDING TESTING AND CALIBRATION, PACKAGING, STOCKING AND DISTRIBUTION.

DELIVERING END-TO-END SOLUTIONS

A flexible customer-centric, project-managed solution through the complete lifecycle.

PCBA

We have the expertise to manufacture a full complement of PCBAs, from small boards to multi-layer, complex boards, all fully tested and calibrated.

PLASTIC MOULDINGS

To complete your project, Contour Electronics has the ability to design, tool and manufacture plastic parts, to the most exacting specifications.

PRODUCT DESIGN

At Contour Electronics, we are always keen to have influence at an early stage of product design. This enables us to achieve cost efficiencies through design for manufacture (DFM).

INVENTORY MANAGEMENT

Unlike other EMS providers, Contour Electronics keeps locally held inventory, meaning that we can typically offer 24-48 hours delivery.

PACKAGING

We take the headache out of packaging, from a poly bag to a full colour POS 'out of the box' solution.



MEDICAL

IN THE MEDICAL DEVICE INDUSTRY WHERE CLEANLINESS, QUALITY AND COMPLIANCE ARE IMPORTANT, CONTOUR ELECTRONICS' EXPERIENCE OF MEDICAL CABLE ASSEMBLIES AND CLEAN ROOM MANUFACTURING ARE PLAYING A VITAL ROLE.



A highly qualified, expert partner, we focus on developing proactive working relationships with our customers, determining their exact needs in order to develop safe, reliable products designed to meet individual requirements.

We can support both low volume/high mix and high volume/low mix projects and offer full materials and procurement capability including electronics, plastics and fabrications.

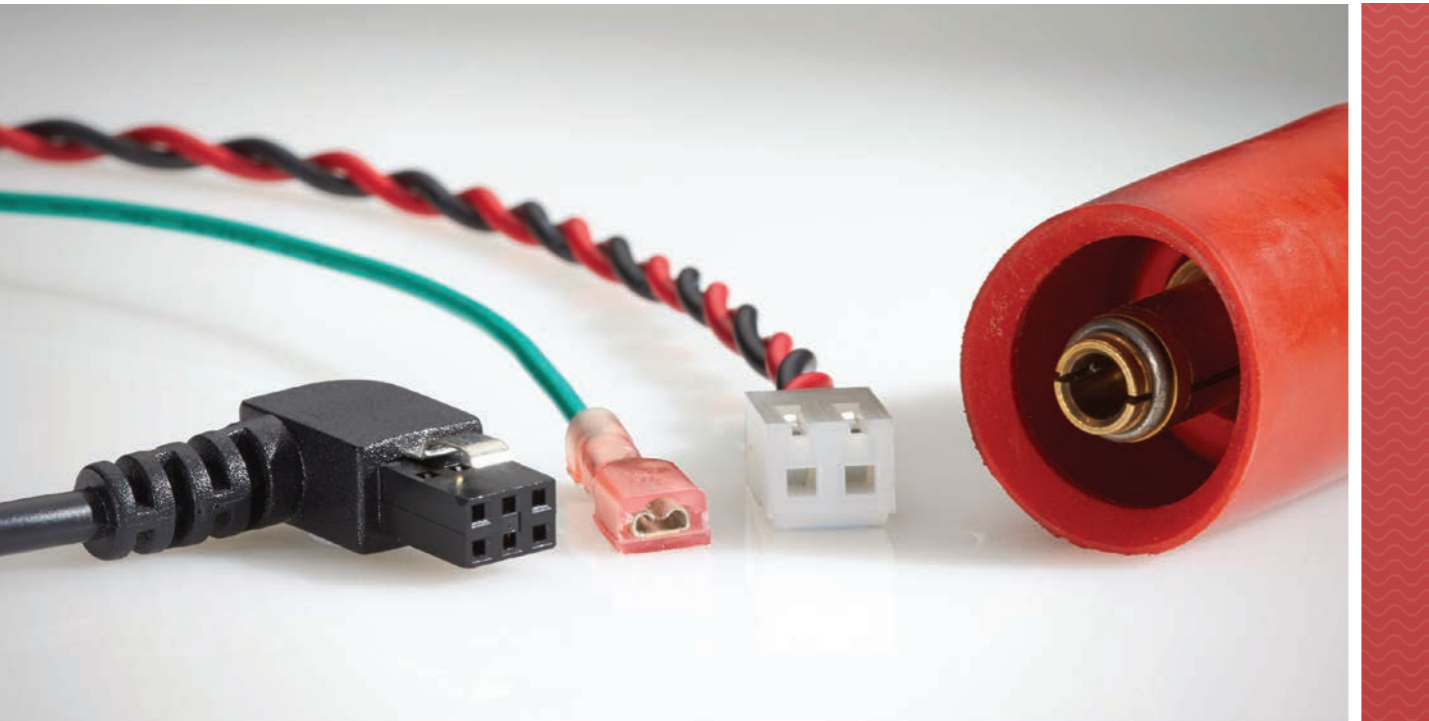
Cleanliness is a major factor for medical device manufacturers. We provide medical device assembly and injection moulding in our purpose built Class 7 clean room to ensure that cleanliness is achieved and maintained.

We provide engineering support to assist with the selection of bio-compatible materials which can achieve ISO10993 compliance and withstand the chosen method of sterilisation such as EO, irradiation or autoclaving.

Effective implementation of IQ, OQ and PQ ensures full validation of internal processes and we provide full documentation of our processes to enable regulatory compliance with medical device directives.

We are committed to delivering a quality product and service for our medical device customers using our ISO13485:2012 accreditation.





CABLE ASSEMBLY

CABLE ASSEMBLIES HAVE BEEN PART OF CONTOUR ELECTRONICS' OFFERING FOR OVER 20 YEARS.

Our capabilities include:

- Fully integrated
- Overmouldings
- Complex wiring looms
- Custom jacketed cable, designed and manufactured
- Coiling
- Antimicrobial cable assemblies
- Discrete wire assemblies
- Robust, braided assemblies
- Build to print assemblies

Our technically trained account managers will work with you to understand your requirements to assist in designing and developing your interconnect system to meet your needs.

We manufacture in the Far East and UK enabling us to offer flexible manufacturing dependent on your needs. With in-house cable assembly design and manufacture we are able to supply what you require without design compromise.

Whether you require anti-microbial, bio-compatible or custom coiled cable we can design and manufacture in accordance with your exacting requirements. Cables can be personalised with, for example, colour, logos, labels and cable jacket printing.

Quality is assured with our ISO9001:2008 and ISO13485:2012 accreditations. We also offer testing and design verification services including bend, pull, mating, waterproof, salt spray and flame retardancy testing.

If required your cable assembly can be manufactured in our Class 7 advanced clean room, assuring you of quality and cleanliness for your product.



INTEGRATION

CONTOUR ELECTRONICS HAS THE EXPERTISE AND EXPERIENCE TO INTEGRATE YOUR ELECTRONIC AND MECHANICAL FUNCTIONS WITHIN ASSEMBLIES.

By working with our clients we are able to integrate functionality, from a single component to a complex value added assembly.

With our vast experience we are able to package the assembly within overmouldings, ultrasonically welded or screw/clip together enclosures.

We are able to offer test and verification services to ensure that the assembly meets the required specification.

We can design and incorporate company logos and personalised designs as well as accurate colour matching. Integration provides a secure, reliable and aesthetically pleasing end product.





FLEXIBLE CIRCUITS

IF YOU ARE LOOKING FOR FLEXIBILITY, YOU'VE COME TO THE RIGHT PLACE.

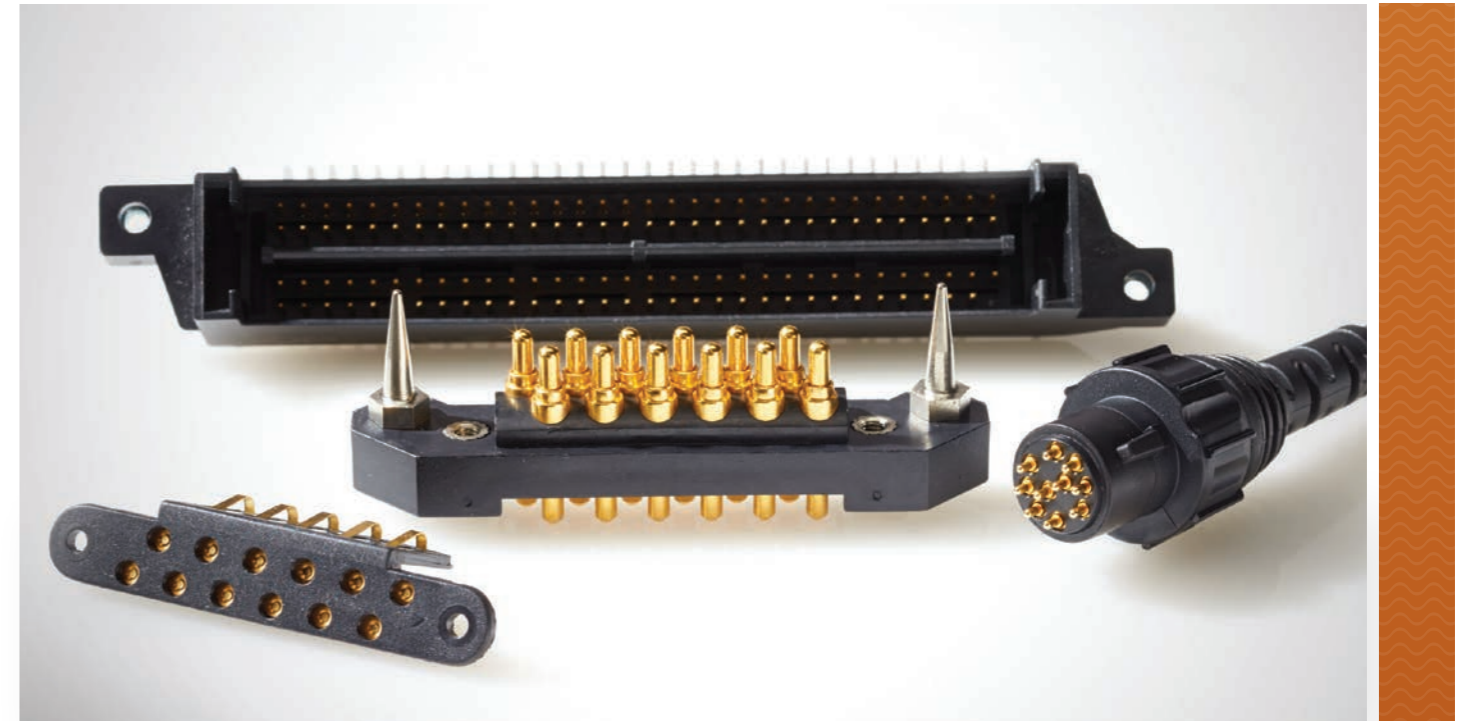
Our flexible printed circuit products are UL approved, and manufactured in accordance with ISO9001, ISO14001 and TS16949 Quality Management Systems.

Flexible circuit interconnection systems offer many advantages over conventional systems where space, weight and cost are at a premium. They are dependable in high vibration, controlled impedance and dynamic flexing applications.

In addition to the multiple options listed below, we can also package your circuits ready for automation handling.

Here are some of the options we can provide:

1. Single sided
2. Double sided
3. Multi-layer
4. Rigid Flex
5. Unshielded
6. Shielded
7. Populated
8. Overmoulded



CONNECTORS

IN ADDITION TO OUR CABLE ASSEMBLIES, WE ALSO OFFER A WIDE RANGE OF CONNECTORS.

Whether you need standard or custom connector systems, small form factor or high pin count, we can ensure you will always have the right connector for your project. Contour Electronics has many years of experience of providing bespoke connector solutions and this capability is further enhanced with our strategic partnerships with Ulti-Mate and ODU. Through our partners Ulti-Mate and ODU, we can deliver micro/nano-D and micro strip as well as circular push/pull plastic and metal connectors.



We are the official European Sales Partner for Californian based Ulti-Mate Connector Inc. They have been producing world class micro miniature and interconnect solutions since 1977. Their expertise in the design and production of micro and nano miniature and customised solutions to the most demanding customer requirements has made Ulti-Mate a respected and valued supplier to the electronic OEM marketplace.

Find out more:
www.ultimateconnector.com
sales@contourelectronics.com



We are an authorised distributor for ODU Connectors. ODU are a German based electrical connector manufacturer whose products are used in a wide variety of applications from the harsh and rugged military arena to the high technology medical market. With push-pull locking this connection secures itself – and so it remains protected from unwanted demating.

Find out more:
www.odu-uk.co.uk
sales@contourelectronics.com



QUALITY AND ENVIRONMENT

WE ARE COMMITTED TO MAINTAINING A QUALITY MANAGEMENT SYSTEM WHICH ENCOMPASSES ALL OF OUR PRODUCTS FROM THE DESIGN PHASE THROUGH TO PRODUCTION AND SHIPPING TO OUR CLIENTS.

QUALITY ASSURANCE

Contour Electronics is proud to be accredited with ISO9001:2008 and ISO13485:2012 certified by LRQA.

Our Quality Management Systems are the key elements that demonstrate Contour Electronics' commitments to quality in terms of both product and service offerings.

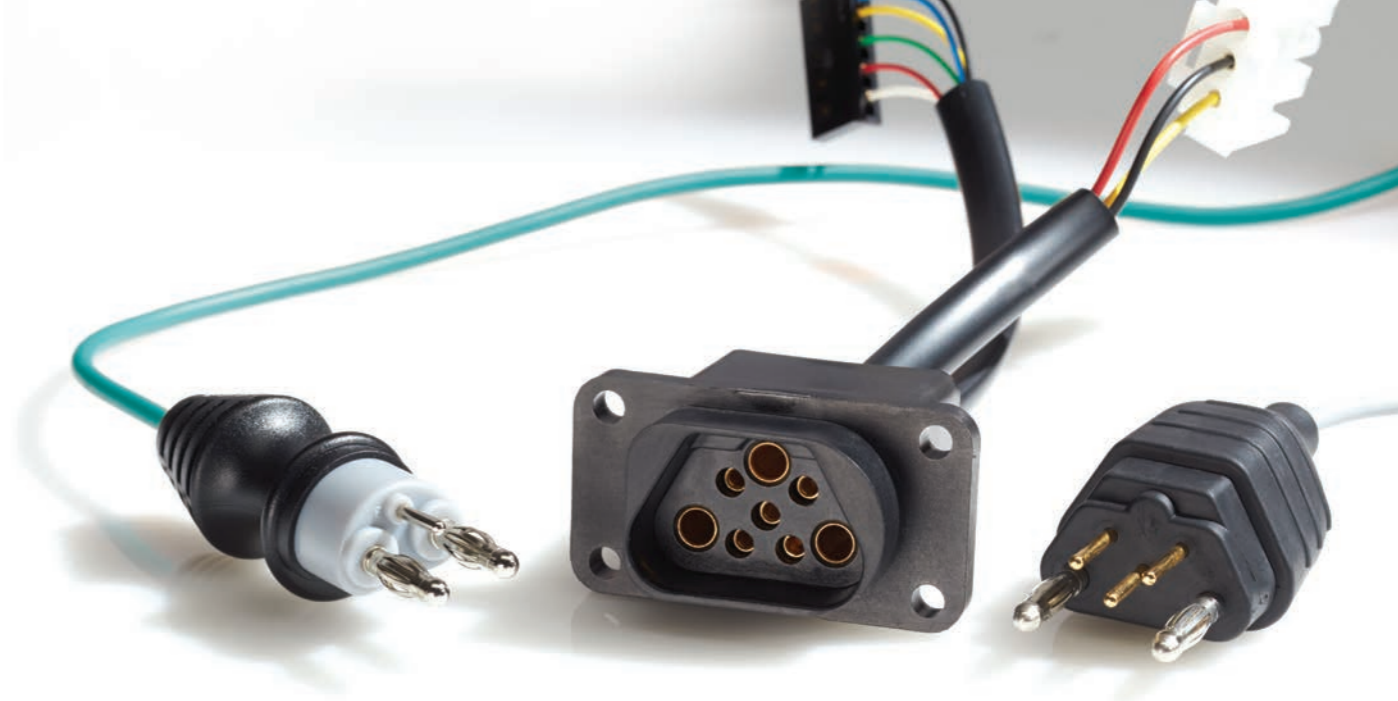
FACTORY APPROVALS

We work in partnership with our Far East manufacturing facilities to ensure that our products meet the highest possible standards. The factory approvals include ISO9001:2008, ISO 14001, ISO 13485, TS 16949. In addition to the above, various industry approvals and product standards are met and these include UL, CSA and IPC-620.

These are supplemented by continuous manufacturing process improvements and product quality is monitored and audited. This ensures that we are able to deliver high quality product on a consistent basis.

CLEAN ROOM

Medical devices require protection against infection caused by bio-burden. Contour Electronics have installed a clean room which achieves the ISO14644 Class 7 standard to protect and ensure that bio-burden is not introduced during the manufacturing process.



CONNECTING YOUR IDEAS

CONTOUR ELECTRONICS HAS BEEN 'CONNECTING YOUR IDEAS' FOR MANY YEARS AND WE ARE PROUD OF OUR CUSTOMER FOCUSED SERVICE LEVELS AND OUR CUSTOMER RELATIONSHIP MANAGEMENT.

Our proactive and flexible approach to our customers' needs and requirements are demonstrated in our ability to provide local inventory management as well as global logistics and supply chain solutions, wherever you are in the world.

CALL US NOW TO FIND OUT HOW WE CAN SUPPORT YOU.

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