Specialty Engineering & Manufacturing Services

Electronic Packaging | Engineering | Manufacturing
Bourns’ demonstrated expertise in technology integration, assembly processes, packaging technology and product launch control results in faster time to market. Knowledgeable Bourns engineers provide a valuable, cost-effective resource across multiple environments and a broad range of applications that ensure enhanced functionality and compatibility from the design stage through manufacturing.

The Bourns Quality Systems are certified to ISO 9001:2000, TS 16949 and ISO 14001. Additional testing and compliance to other standards such as MIL-STD-883, TELCORDIA GR-1089 and UL/CSA are also available.
Bourns’ Packaging Solutions

Whether it’s a quick-turn prototype or high-volume manufacturing design, Bourns delivers:

- Design compatibility
- Miniaturization
- RF performance
- Precision assembly
- High reliability
- Cost-effective design
- Thermal management
- Environmental protection

Packaged Available:
- Single in-line
- Dual in-line
- COB interposer
- BGA
- System in package
- Custom

Features:
- High density thick film
- RF substrate materials
- Chip & wire
- Flip chip
- Stud bump bonding
- RF packaging
- Fine pitch SMT

Product Launch Control:

Imagine seamlessly transferring from product design and prototyping to volume production. Bourns services simplify this process by making it possible to transfer your design and prototype from the USA to our China facility to meet your production goals.

Flexibility is vital in electronic design. Parts change, packages shrink, and environmental requirements become more stringent. Look to Bourns Engineering & Manufacturing Services to provide:

- Custom lead frames for specific applications
- Available in-house thick film production
- PCBA SMD on all substrates
- Coatings and lid seals
- Engineering through design, layout, process development, and test support
- ICT & functional test
- Extensive analytical lab capability
- AOI & X-ray inspection
- Evaluation and environmental testing
- Help in meeting regulatory requirements

Product Solution Experience by Market

Communications
Line protection modules, SLIC modules, line feed resistors, optical modules 10 to 40 Gb, GPS, WiFi, Bluetooth modules

Automotive
Throttle pedal sensors, steering angle sensors, LED lighting, marine engine trim sensors, fuel sending units

Industrial
Motor controls, power controls, PLC modules, DC/DC converters

Medical
Radiation dosimeters, blood analysis modules, wireless inhaler dosage trackers, hearing aid subassemblies

Aerospace
Aircraft lighting control, PLL modules

Commercial
UV light starters, semiconductor packages: high voltage isolator & interposers
Seamless transfer from product design and prototyping in the USA to volume production in Bourns’ China facility

Engineering & Prototyping Center
Bourns, Inc.
Riverside, California
U.S. Headquarters

Production Center
Bourns, Ltd.
Xiamen, China

Worldwide Sales Offices

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<tr>
<th>Country</th>
<th>Phone</th>
<th>Fax</th>
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<tr>
<td>Benelux</td>
<td>+41 (0) 768 5555</td>
<td>+41 (0) 768 5510</td>
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<tr>
<td>Brazil</td>
<td>+55 11 5505 0601</td>
<td>+55 11 5505 4370</td>
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<td>Japan</td>
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<td>Taiwan</td>
<td>+886 2 25624117</td>
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<tr>
<td>UK/Ireland</td>
<td>+41 (0) 768 5555</td>
<td>+44 (0) 768 5510</td>
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<tr>
<td>USA</td>
<td>+1-951-781-5500</td>
<td>+1-951-781-500</td>
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Non-Listed European Countries:
+41 (0) 768 5555
+41 (0) 768 5510

Technical Assistance

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<td>Americas</td>
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Bourns® products are available through an extensive network of manufacturer’s representatives, agents and distributors. To obtain technical applications assistance, a quotation, or to place an order, contact a Bourns representative in your area.

Specifications subject to change without notice. Actual performance in specific customer applications may differ due to the influence of other variables. Customers should verify actual device performance in their specific applications.

www.bourns.com/SEMS