IPC AT A GLANCE
BUILDING BLOCKS FOR YOUR SUCCESS IN THE ELECTRONICS INDUSTRY
As a global industry-driven organization, IPC exists to help its member-companies innovate, compete and succeed. By being the hub of knowledge in the electronics industry, IPC provides standards, training and certification, market research, education and public policy advocacy to help member-companies achieve their goals. We are here to help our members create better-quality products, enhance the skills and knowledge of their employees, reduce costs and waste, comply with regulations and be ready to capitalize on what is next.
IPC: THE VOICE OF WHAT IS NEXT

Born out of the desire to transform the electronics industry more than 60 years ago, IPC became the voice of what was next — the breakthrough technology of printed boards. Today, IPC remains that voice as it continues to guide the electronics industry through dramatic changes.

With more than 4,200 member-company sites, IPC represents all facets of the industry including design, printed board manufacturing, electronics assembly and test. Our goal is to help our members achieve success.
Accepted worldwide as the key manufacturing standards for the printed board and electronics manufacturing industries, IPC standards are associated with nearly every stage of the electronic product development cycle. From design and purchasing to assembly and packaging, IPC standards help ensure superior quality, reliability and consistency in the electronics assemblies that go into an electronic product.

Annually, IPC publishes dozens of new and updated standards in areas from printed board design and intellectual property protection through box build. Today, IPC’s collection of industry standards and guidelines exceed 300 “active” standards and its resource library contains more than 1,000 standards.
OUR STANDARDS, AVAILABLE IN MULTIPLE LANGUAGES AND FORMATS, HELP COMPANIES:

Increase End-Product Quality and Reliability
Quality and reliability are essential to compete in the marketplace and critical to a company’s reputation and profitability. When IPC standards are implemented throughout the manufacturing process, companies help ensure better performance and longer life of their products as well as compliance with industry best practices and requirements.

Improve Communication Externally and Internally
When companies work from established IPC standards, they speak the same language with customers and suppliers — the language of the global electronics industry. These same companies benefit internally from employees who work together to meet the performance requirements and speak the same language needed to improve communications internally.

Manage and Reduce Costs
Companies that insist on adhering to IPC standards throughout product development help enable the production of electronics assemblies that can meet stringent quality and reliability requirements — minimizing costly delays, rework and scrap.

VALIDATION SERVICES —
SGA, IPC QUALIFIED MANUFACTURERS LIST (QML), IPC QUALIFIED PRODUCTS LIST (QPL)
Helping establish a network of trusted suppliers around the world, IPC’s Validation Services programs include a standards gap analysis (SGA) to help solve specific manufacturing issues. QPL and QML provide program audits to verify that products are built and manufactured in accordance with IPC standards.
AROUND THE WORLD,
IPC STANDARDS ARE ASSOCIATED WITH NEARLY EVERY STAGE
OF THE ELECTRONIC PRODUCT DEVELOPMENT CYCLE
IPC standards and guidelines are developed with the active participation of more than 3,000 electronics industry professionals worldwide. These volunteers draft, edit and vote on the standards that best meet today’s technical, business and regulatory challenges.

**How IPC Standards are Set**

**An Eye to the Future**

- Design for high-speed, high-power and high-density interconnections
- Material declaration and environmental compliance
- Printed electronics materials and assembly
- Fabrication of advanced, highly integrated interconnect structures
- Data Connect facilitating the IoT, supply chain connectivity

**Next Generation Standards**
EDUCATION AND TRAINING

With leading electronics industry resources, IPC provides training programs, educational events, technical conferences, online learning and networking opportunities to help companies enhance employees’ knowledge and build valuable relationships in the process.
IPC TRAINING AND CERTIFICATION PROGRAMS

Through an international network of more than 110 IPC licensed training centers, globally recognized, industry-traceable training and certification programs on key industry standards are offered. Employee training and certification allows companies to:

- Demonstrate commitment to rigorous performance requirements
- Meet the requirements of OEMs and electronics manufacturing companies that expect suppliers to have these important credentials
- Gain valuable industry recognition within the electronics supply chain
- Facilitate quality assurance initiatives that have become important in international training

MULTIMEDIA AND ONLINE VIDEO TRAINING RESOURCES

For more than 30 years, IPC has been producing industry-approved, training videos, covering electronics assembly acceptance standards, hand soldering, lead free, repair and rework, ESD control, component ID, counterfeit components, cable/wire harness assemblies and printed board fabrication. Available in DVD, IPC’s comprehensive collection provides companies with another method of training and education to enhance the skills of employees.

CONFERENCES AND TRADE SHOWS

IPC provides timely educational events to enhance the knowledge and expertise of professionals in all areas of the electronics industry. IPC hosts technical and management conferences around the world as well as signature events like IPC APEX EXPO® — the industry’s premier technical conference and the largest exhibition for the electronics manufacturing industry in North America — and its sister event, IPC APEX South China.
MARKET INTELLIGENCE AND PUBLIC POLICY

The industry’s trusted source of market research for more than 60 years, IPC provides market and business data to help companies make informed business decisions. With unique data sources that represent leading companies from around the world and throughout the electronics supply chain, IPC’s research reports and studies provide insights that cannot be obtained anywhere else.

Leadership in public policy advocacy is also a hallmark of IPC that provides a strong and unified voice to the global electronics industry. Dedicated government relations staff continually monitor proposed legislation, regulations and rules by governments and agencies around the world. IPC actively engages with regulatory agencies to protect the interests of its members and advocate for science-based regulations.
MARKET RESEARCH

As the electronics industry’s trusted source of industry data, IPC offers studies and statistical programs covering market, technology and business trends worldwide. These services help companies in business decision-making, benchmarking, planning and forecasting.

IPC’s market research studies and reports provide unique data and insights that give industry executives competitive advantages:

- See market trends as they develop
- Identify growing and declining markets
- Compare your company’s performance to industry averages and world-class benchmarks
- Use reliable data to make informed business decisions

GOVERNMENT RELATIONS AND ENVIRONMENTAL POLICY

IPC is the leading global advocate for the electronics industry. Together with its members, IPC actively engages in global government relations and environmental policy advocacy that are in line with IPC’s mission to further the competitive excellence and financial success of its members and to protect the environment. Whether it’s engaging with policy makers in Washington D.C., in the European Union or on regulatory commissions in China, IPC and its members proactively seek opportunities to educate, inform and influence policymakers on policies that spur innovation, growth and competition, and in the environmental arena, policies that are scientifically based and provide important protection.

ADVOCACY GETS RESULTS

CONFLICT MINERALS

U.S. Securities and Exchange Commission (SEC) suspends enforcement of the costliest requirements of its conflict minerals rule. The acting chairman’s statement refers specifically to IPC’s advocacy on this issue.

TOXIC SUBSTANCES REFORM

TSCA Reform bill includes language sought by IPC, calling for a negotiated rulemaking to reduce TSCA burdens on manufacturing byproducts sent for recycling. IPC prevails by persistently educating members of Congress and staff about our concerns, advancing sound policy, and cultivating Congressional champions along the way.

INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR)

Following years of advocacy in export controls reform, the final rule for Category XI for Military Electronics of the United States Munitions List is published clarifying that PCBs “specially designed” for defense-related purposes will be controlled under USML Category XI. Also, any designs or digital data related to “specially designed” PCBs will be controlled as technical data.

RESPONSIBLE MINERAL SUPPLY CHAINS IN CHINA

On behalf of its members, IPC filed comments urging the China Chamber of Commerce of Metals, Minerals and Chemicals Importers & Exporters to carefully review the intended scope of its due diligence guidelines, given the difficulties companies are having with the more limited conflict minerals provision in the U.S. Dodd-Frank law. IPC urged the CCCMC to focus its initial actions on tin, tantalum, tungsten and gold, for which many companies are already developing mechanisms for responsible supply chains. IPC also suggests that the guidelines be more closely aligned with the OECD guidelines and remain voluntary.
**MISSION STATEMENT**

IPC is a global industry association dedicated to furthering the competitive excellence and financial success of its members, who are participants in the electronics industry. In pursuit of these objectives, IPC will devote resources to management improvement and technology enhancement programs, the creation of relevant standards, protection of the environment, and pertinent government relations. IPC encourages the active participation of all its members in these activities and commits to full cooperation with all related organizations.

**ASPIRATIONAL GOALS**

**STANDARDS:** IPC will be the most respected organization known for its leadership and global footprint in providing standards and quality programs supporting the electronics industry.

**EDUCATION:** IPC will become the world’s leading electronics education and knowledge provider to the electronics industry.

**ADVOCACY:** IPC will be known as the industry’s most influential advocate for a regulatory and legislative business environment that enables our members to improve their global competitiveness.

**SOLUTIONS:** IPC will work with the electronics industry to identify and collaborate on finding solutions to industry challenges.