



AURORACIRCUITS

North American Technology Solutions Provider for Printed Circuits



Electric Vehicles
Solutions



Aluminum Clad



Radio Frequency
& Microwave



Military



Automotive



LEDs



Certifications



Heavy Copper



Aerospace &
Defense

About Aurora Circuits

Over 70 years' experience in Printed Circuit Fabrication providing Advanced Thermal Management and Interconnect Technology Solutions for Printed Circuit Designs and Specialty Products.

As one of the trailblazers and longest established, domestic manufacturers in the printed circuit board industry, (formerly known as Kalmus & Associates), Aurora Circuits is known as an industry leader in innovation, customer service and engineering. Let us partner with you to maximize profitability and production sustainability.

Specialty Solutions:

Polymer Thick Film Processing

- Carbon resistors
- Variable resistor position sensor
- Silver traces/jumpers and silver through hole printing
- Dielectric insulators
- Fixed resistors
- Linearity

Durable Plating for Contact Wear surfaces

- Hard electroplated gold
- Electroplated silver over nickel
- Applications tested to greater than 1,000,000 wear cycles

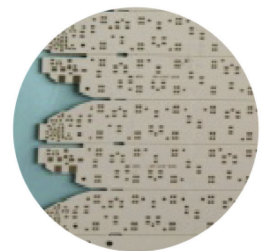
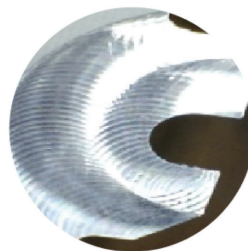
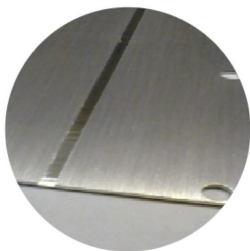
Heavy copper processing

- Ultra-heavy copper processing from 5oz-20oz (150µm-700µm)
- Single sided, double sided & multilayer types of circuit boards

Milling, Countersink, Counterbore & CNC Scoring

Precision Machining Capacity

- Advanced selective dielectric removal process
- Aluminum base
- Copper base
- Standard PCB laminates
- Insulated metal substrates (IMS) with aluminum base or copper base for thermal dissipation
- Laser ablation
- Laser vias
- Small hole drilling
- Plated pedestals
- Aluminum base bonding
- ENIG finish
 - Electroless, Nickel, Immersion Gold



"Every circuit board is a story. Together, let's create yours"

Standard Solutions:

Service Review

- Design for manufacturability Review
- Material choice and utilization process materials tooling concepts vs. drill and rout
- Complex arrays
- Product review for profitability
- PCB reverse engineering capabilities
- All boards guaranteed for solderability

Board Types

- Single sided
- Double sided
- Multilayer

Finish Types

- OSP (organic solderability preservative), conveyorized systems for thin or multi-pass types.
- Lead free HASL
- Hard electroplated gold
- Electroplated silver over nickel
- Immersion silver

Metal Clad and Standard Materials:

- Henkel/Bergquist
- Polytronics
- Ventec
- Aismalibar
- CSEM
- Isola
- Nanya
- Chang Chun
- Kingboard
- Grace
- Doosan
- And many more...

A photograph of the Aurora Borealis (Northern Lights) in shades of green and blue, dancing over a dark, rugged mountain range. The lights are reflected in a calm body of water in the foreground.

**"Over 70 years experience in printed circuit fabrication
providing advanced thermal management and interconnect technology
solutions for printed circuit designs and specialty products."**

**Contact us regarding your custom PCB needs.
We have the knowledge and experience to make your project a reality.**

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