



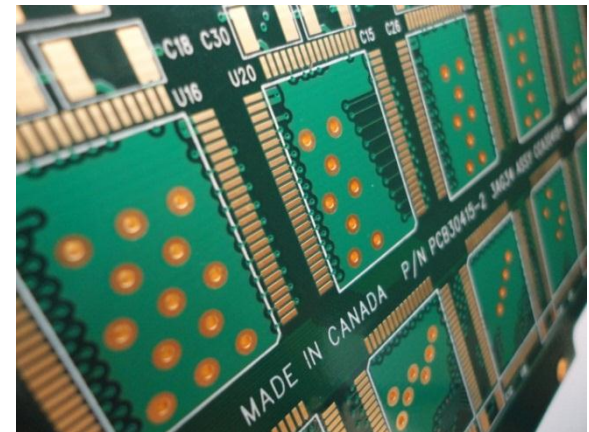
**Manufacturer of Thermal Management Products, PCB's and MCPCB's**

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1-800-766-6097 | [www.cofan-usa.com](http://www.cofan-usa.com)  
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# Introduction to COFAN-USA

- **Established in 1994 in Fremont, California**
- **4 global locations (America, Canada, China and Taiwan )**
- **Over 140,000 sq feet of manufacturing capacity**
- **300+ employees operating 6 days a week**
- **Running at 68% capacity**
- **Privately owned and operated**

# COFAN-USA History

- 2012** - Established PCB team in China
- 2011** - Establishes R&D team in Taiwan
- 2009** - COFAN-USA opens their own MCPCB factory in Taiwan
- 2005** - COFAN-USA starts LED light business with metal core PCB (MCPCB)
- 2003** - COFAN-USA opens their own factory in China with electro mechanical parts & LED light assemblies
- 1998** - COFAN-USA introduces thermal simulation, thermal analysis, design, prototyping, testing and manufacturing
- 1997** - COFAN-USA offers design and manufacturing services for custom sheet-metal, die-castings, extrusions, and machined parts
- 1995** - Supplier to Hewlett Packard for CPU Cooler
- 1994** - Established COFAN-USA in Fremont CA



# Global Support



**COFAN MCPCB Office**  
Vaughan, ON, Canada



**COFAN China Factory(OEM)**  
Dongguan, China



**COFAN Head Office**  
Fremont, CA, USA



**COFAN R&D Center**  
New Taipei City 242,  
Taiwan



**COFAN Taiwan Factory**  
Taipei, Taiwan

# Thermal Products

- **CPU Fan Coolers**

- Intel 775 (New and Available Now)
- Intel P3 & P4
- Intel Xeon
- AMD Athlon
- Intel Mobile Processors

- **Passive Heatsinks**

- Extruded Aluminum
- Copper Skived
- Machined
- Heatpipe Integrated
- Custom BGA
- Standard & Custom Mounting Hardware

# Thermal Products

- **Fans**
  - Tube Axial Ranging from 40mm to 170mm
  - Blower
  - Custom Speed, Custom Wire
  - Low and High Volume Production in 2 Weeks
- **Thermal Modeling**
  - Board & System Level CFD modeling and analysis
  - Custom Heatsink Design and Selection
  - Custom Fan and Heatsink Design
- **Mechanical Design**
  - Board Level Mechanics, Cooling Air Ducting, Component Placement, Heatsinking,
  - All Related Mechanics including Faceplates, Stiffeners, Ejectors, IO Hoodst

# Metal & Plastic Products

- **Extrusions**

Heatsinks, Faceplates, Ejectors, Misc. Small Parts

- **Processes include**

Tool Fabrication, Machining, Drilling, Punching, Plating, Silkscreening

- **Plastic Injection Parts**

Light Pipes, Housings, Baffles

- **Vacuum Formed Parts**

Packaging Mostly

- **CNC**

Heat sinks and various other parts



# Service and Leadtimes(Heat Sinks)

- **Prototype** : lead time
  - Urgent case – 2 days
  - Normal case – 3 days
  - Difficult case – 4 days
- **Production**
  - 50 PCS or more
  - 3 – 5 weeks standard
- **Key parts or process in house**
  - Pipe: HWA-Tek, YC
  - CNC/ Lathe/ Drilling/ Wire (Laser )-cutting
  - Stamping, press-fit fin array
  - Soldering process

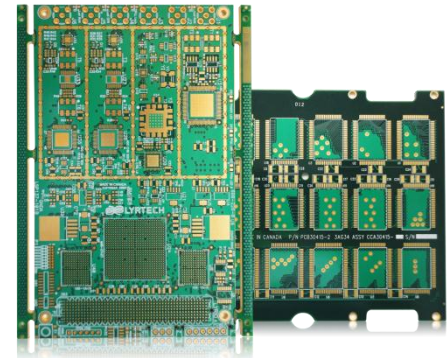


# Service and Leadtimes(PCB's & MCPCB's)

- **Prototype**
  - **1-4 panels**
  - **3 days, 5 days and 7 days quick turns**
  - **7 day standard delivery**
  - **18"x 24" panel size**
- **Production**
  - **4 + panels**
  - **2 weeks standard delivery**
  - **KANBAN or Stocking programs available**
  - **Multiple panel sizes**

# Product details

- **Single sided, double sided and multi-layer PCB's**
- **Metal core printed circuit boards (MCPCB's)**
- **Heavy copper PCB's (up to 8oz)**
- **Blind and Buried via construction**
- **Epoxy filled vias (Via-in-pad)**
- **Mixed laminate constructions (FR4+Rogers)**
- **Fine pitch BGA's**
- **Fully RoHS compliant materials**

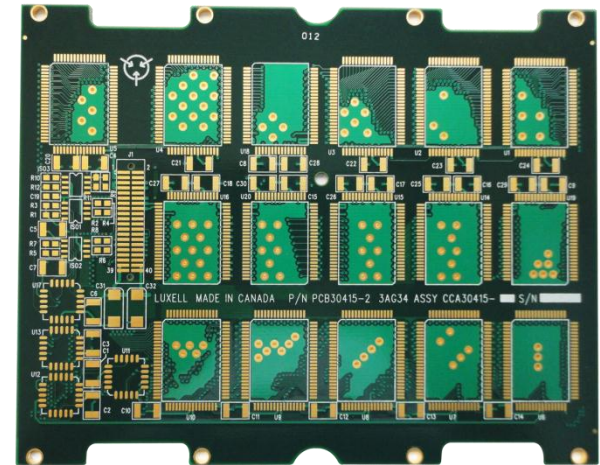
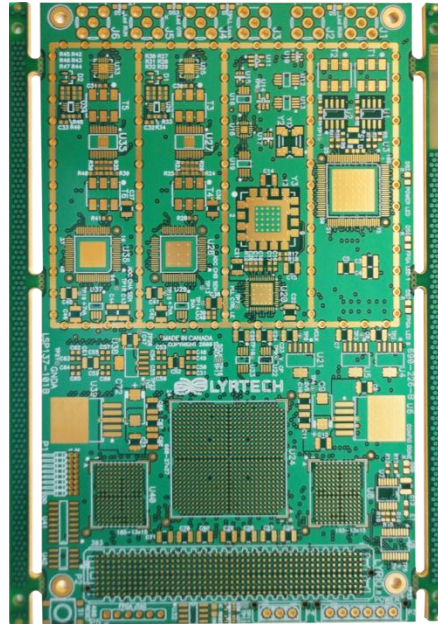


# Thermal management products



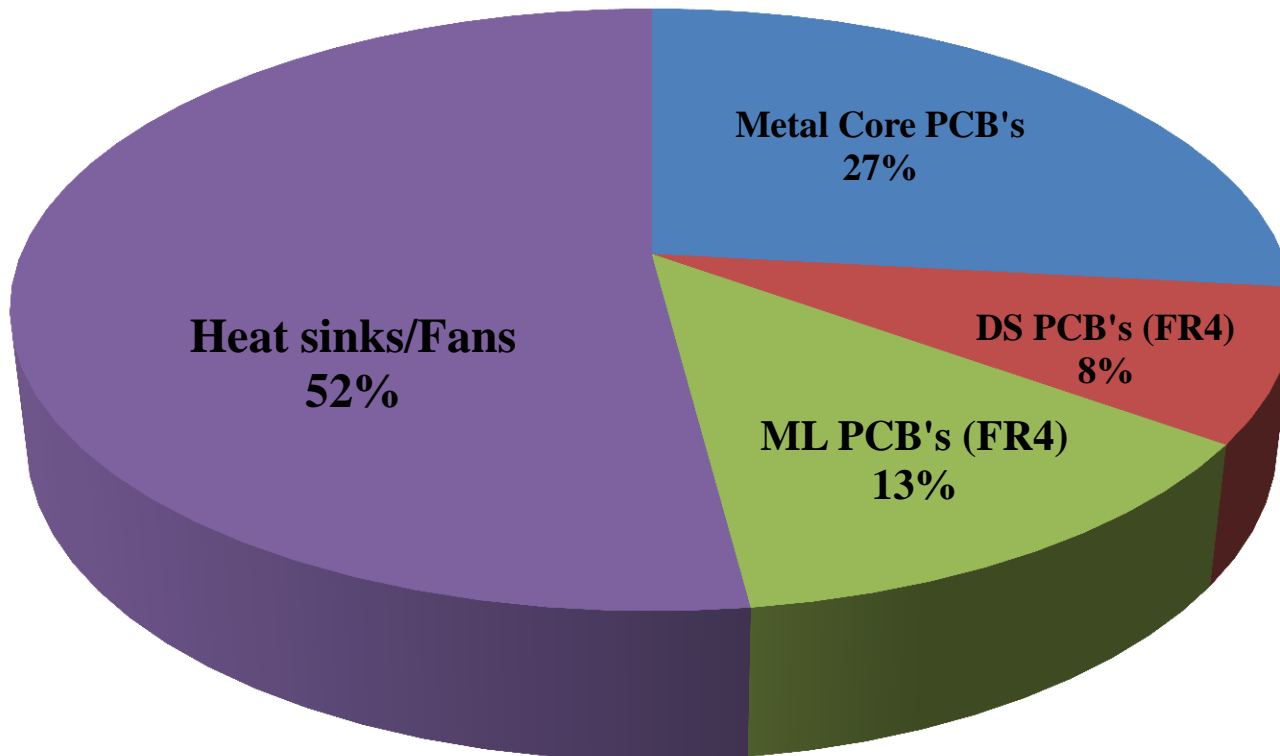


# PCB's & MCPCB's





# Product Sales Mix





# Why partner with COFAN-USA?

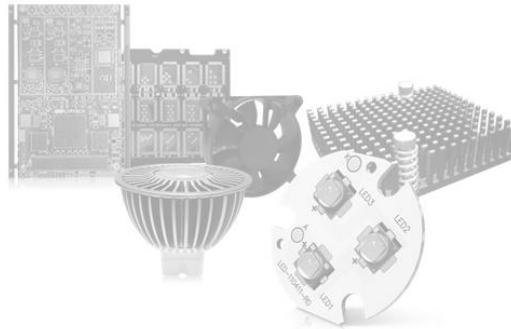
- 1. TECHNOLOGY**
- 2. QUALITY**
- 3. RESPONSIVENESS**
- 4. DELIVERY**
- 5. COST**

**COFAN invites you, our prospective customer, to join us as we grow to the next level of success.**

# Thanks.

## **COFAN** GROUP

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