

Corporate Profile

Cofan USA, Inc.
46177 Warm Springs Blvd.
Fremont, CA 94539

Introduction

Cofan USA was founded in Fremont, CA in 1994 with a commitment to provide cooling solutions for electronic and industrial applications using DC and AC voltage fans and heat sinks manufactured in Asia.

As with many small companies, the focus of the firm changed as technological advancements created new and exciting opportunities. In 2004, we realize that we can leverage our cooling expertise to build a better Printed Circuit Board (PCB). Cofan USA began providing custom-designed MCPCBs and FR-4 PCBs as well as LED packages that same year and has realized double-digit annual sales growth in the last several years.

Ranging from Fortune 500 to very small companies, our clients rely on our ability to provide quick and professional responses to engineering inquiries and production demands. With almost twenty years of experience in the cooling and PCB industries, we are confident we can provide solutions to meet the most stringent demands.

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

Company Milestones

- 1994 Founded Cofan USA
- 1995 Started business partnership with Hewlett Packard for CPU Coolers
- 1999 Expanded our assembly and manufacturing expertise and began managing assembly and production in Asia
- 2000 Cofan offered design and manufacturing services for custom sheet metal, die-castings, extrusions, and machined parts
- 2001 Cofan USA introduced thermal simulation, thermal analysis, design, prototyping, testing and manufacturing
- 2005 Cofan opened our own factory in China
- 2007 Launched business operations in development of LED Light with Metal Core PCB
- 2009 Cofan opened our own MCPCB factory in Taiwan

Cofan Divisions

PCB & MCPCB

With over 20 years of international engineering and sales experience, Cofan USA is no stranger to the PCB industry. Boasting full production capabilities, we specialize in Multi-layer FR-4 boards, FLEX PCB's, and Metal Core PCB (MCPCB). We are able to manufacture a wide variety of Printed Circuit Boards, as well as specially engineered MCPCBs.



Heat Sinks

Top notch engineering, sales, and customer service allow you, our future customer, to receive the care and attention you need to meet any thermal cooling solutions needed. Let us provide you with the best cooling solutions. At Cofan, we always seek for new idea and adapt to new technology to continuously improve our products.



LED Assembly

Having been in the LED Package Assembly for some years now, this department of the Cofan group has been doing steadily increasing business with a variety of customers for quite some time. As our company experiences increased business in the various aspects of our group, our customers are also able to experience the lowered cost of production and incredible quality assurance.



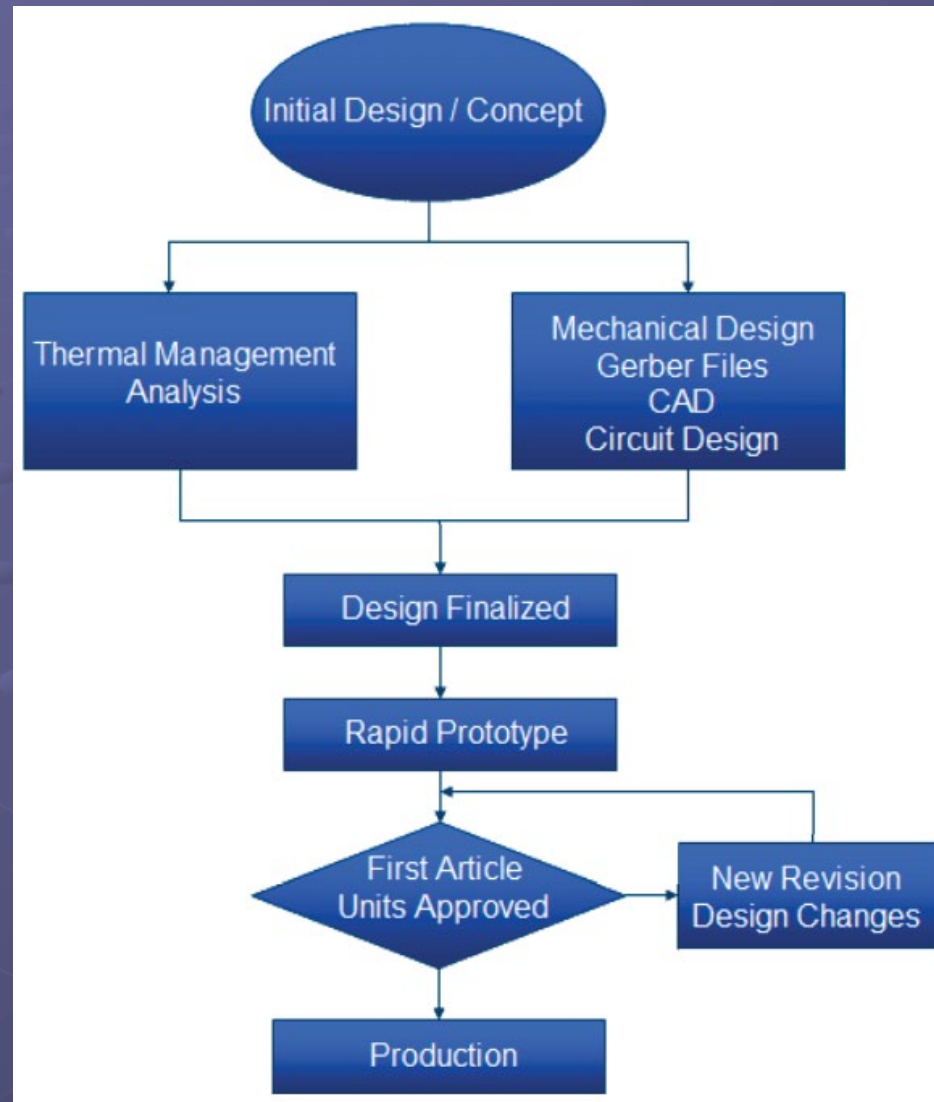
Concurrent Engineering

Our MCPCB Concurrent Engineering service is what truly separates Cofan from other fabricators. Our Applications Engineering team offers more than 30 years of combined experience in design and manufacturing of Metal Core PCBs. We bring your product to function at highest level of performance at the lowest possible cost.

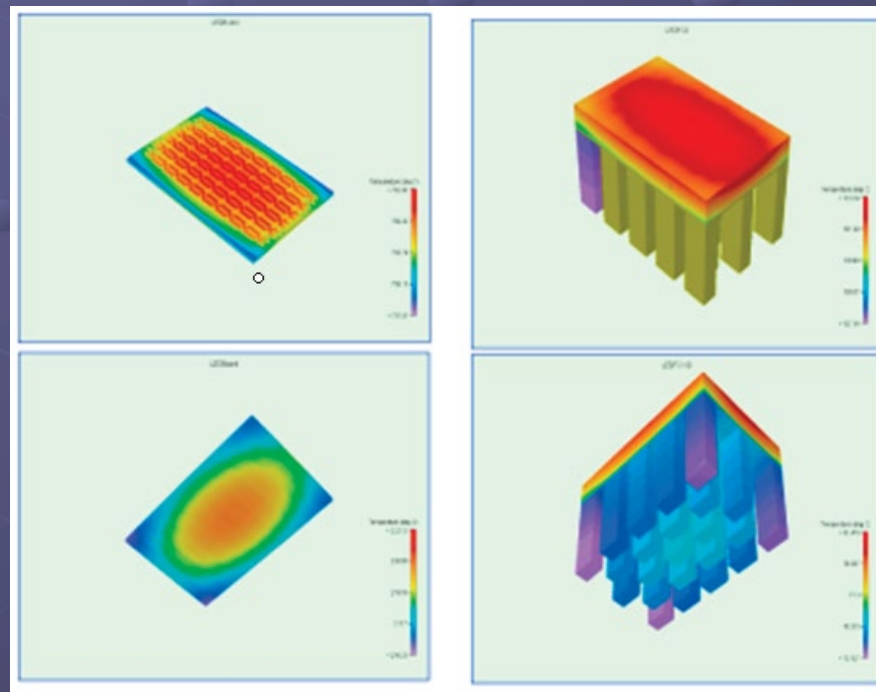
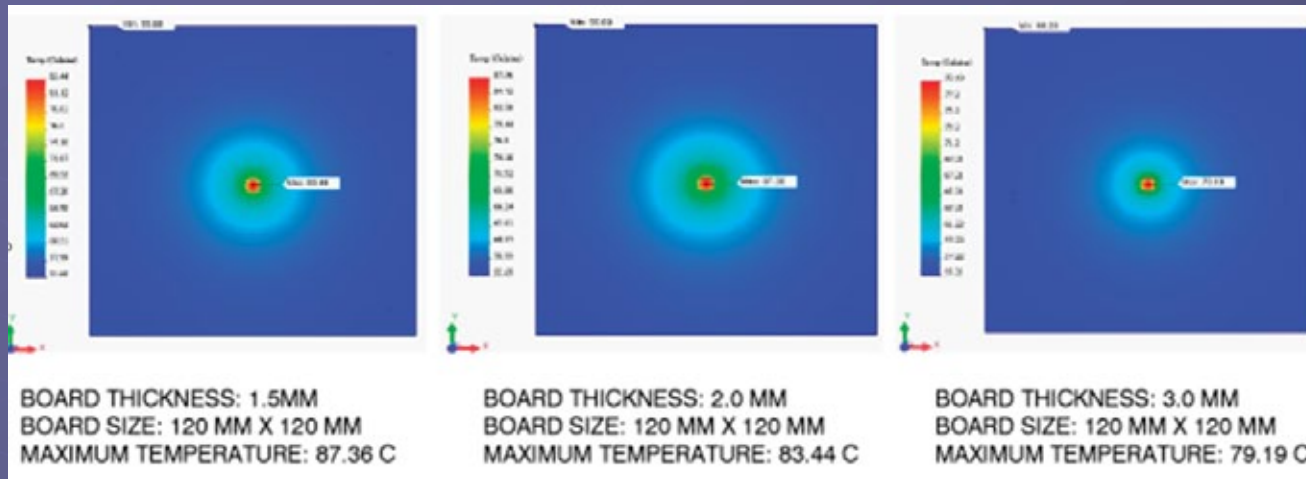
We provide an engineering review of your Gerber files to ensure the best Design for Manufacturing practices, appropriate dielectric insulation characteristics, and current carrying capacity. Identification of the issues at this stage will save substantial time and money.

Lastly, we offer thermal simulations for your final PCB Integration to predict the thermal characteristics of your design. Adjustments identified here could be as simple as rearranging your component layout, increasing the thickness of the base-plate, or the addition / direct integration to a properly designed heat-sink. Either way, we will eliminate the need for many prototypes and reduce the time to market of your designs.

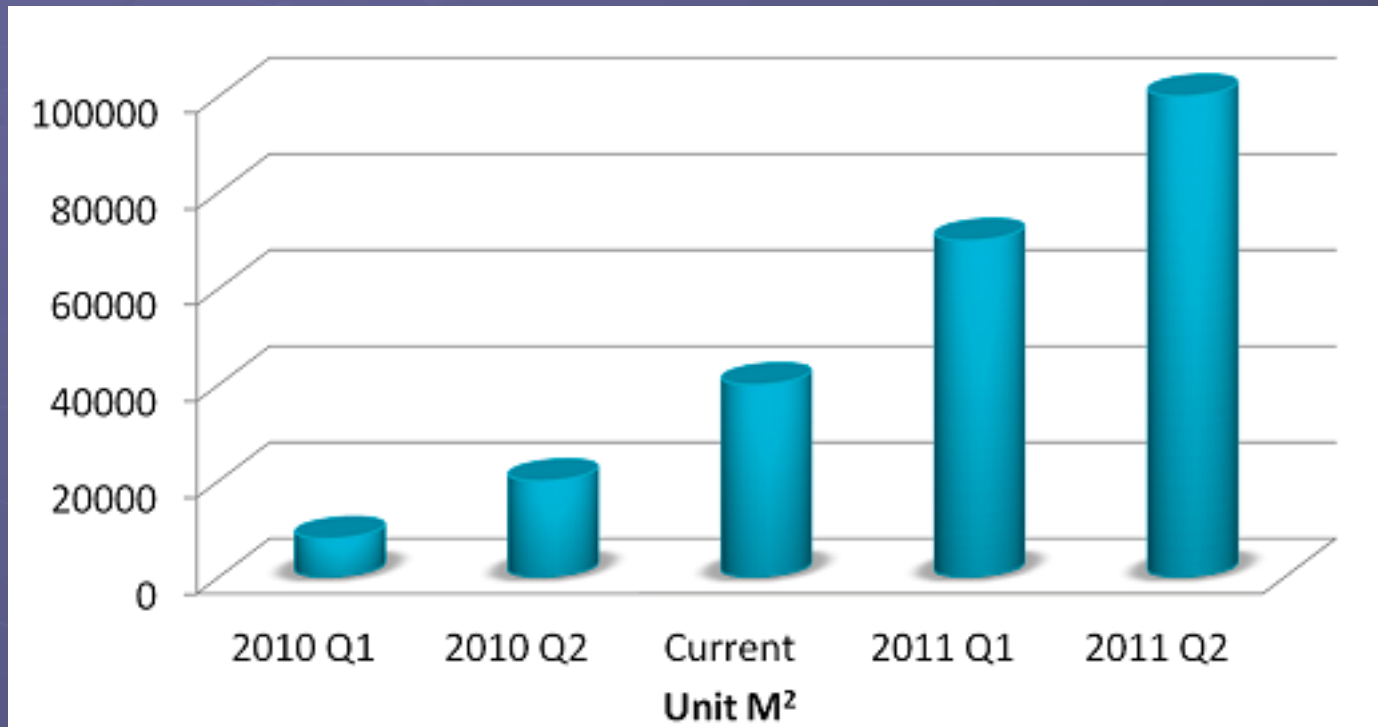
Fabrication Flow Chart



Thermal Simulations



Production Capability & Road Map



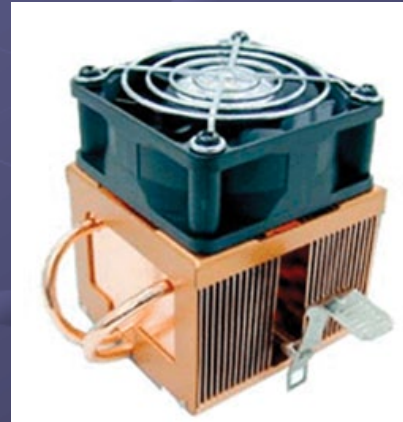
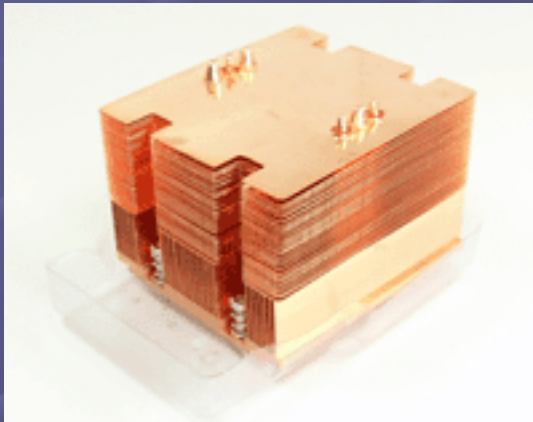
Why Cofan USA?

- We provide innovative products for the most complicated thermal challenges using state-of-the-art fan and heat sink technology utilizing various alloys at very competitive prices.
- We provide custom fan and heat sink design solutions to meet the most particular design requirements.
- We provide U.S., European and Asian market based design and fabrication for sheet metal, plastic and machined parts and assemblies quickly and very competitively priced.
- We provide long-term production needs with a stock to ship, just in time delivery program.
- We strive to meet your expectations in all areas of design, support and manufacture.
- You and your customer satisfaction are our ultimate goals and we will achieve this with total commitment to quality, on time delivery and competitive prices.
- Cofan USA is committed 24 hours a day on two continents to meet your most critical needs.

Heat Sinks and Fans

At Cofan USA, we pride ourselves in giving the best possible customer service, the highest quality products with the shortest lead time in the industry at a fair price with a total commitment to customer service. We offer innovative DC Axial Fans, DC Blower Fans, CPU Coolers, Active BGA Heat Sinks, Passive BGA Heat Sinks and Custom Heat Sinks products for the most difficult thermal challenges using state-of-the-art fan and heat sink technology combining various alloys at very competitive prices.

We provide U.S., European and Asian market based design and fabrication for sheet-metal, plastics and machined parts and assemblies.



Thermal Products

CPU Fan Coolers

- Intel 775
- Intel P3 & P4
- Intel Xeon
- AMD Athlon
- Intel Mobile Processors

Passive Heat Sinks

- Extruded Aluminum
- Die Cast
- Copper Skived
- Machined
- Heat Pipe Integrated
- Custom BGA
- Standard & Custom Mounting Hardware

Thermal Modeling

- Board & System Level CFD modeling and analysis
- Custom Heat Sink Design and Selection
- Custom Fan and Heat Sink Design

DC Brushless Fans

- Tube Axial Ranging from 40mm to 170mm
- Blower Fans
- Frameless Fans
- Custom Speed, Custom Wire
- Low and High Volume Production in 2 Weeks

Metal Core PCB (MCPCB)

- Design and Fabrication
- Consultation
- LED Applications
- Low / High Volume
- Machine Features
- Quick turn around

Mechanical Design

- Board Level Mechanics
- Cooling Air Ducting
- Component Placement
- Heatsinking
- Design for Manufacturability
- All Related Mechanics, including faceplates, Stiffeners, Ejectors, and IO Hoods.

LED Assembly

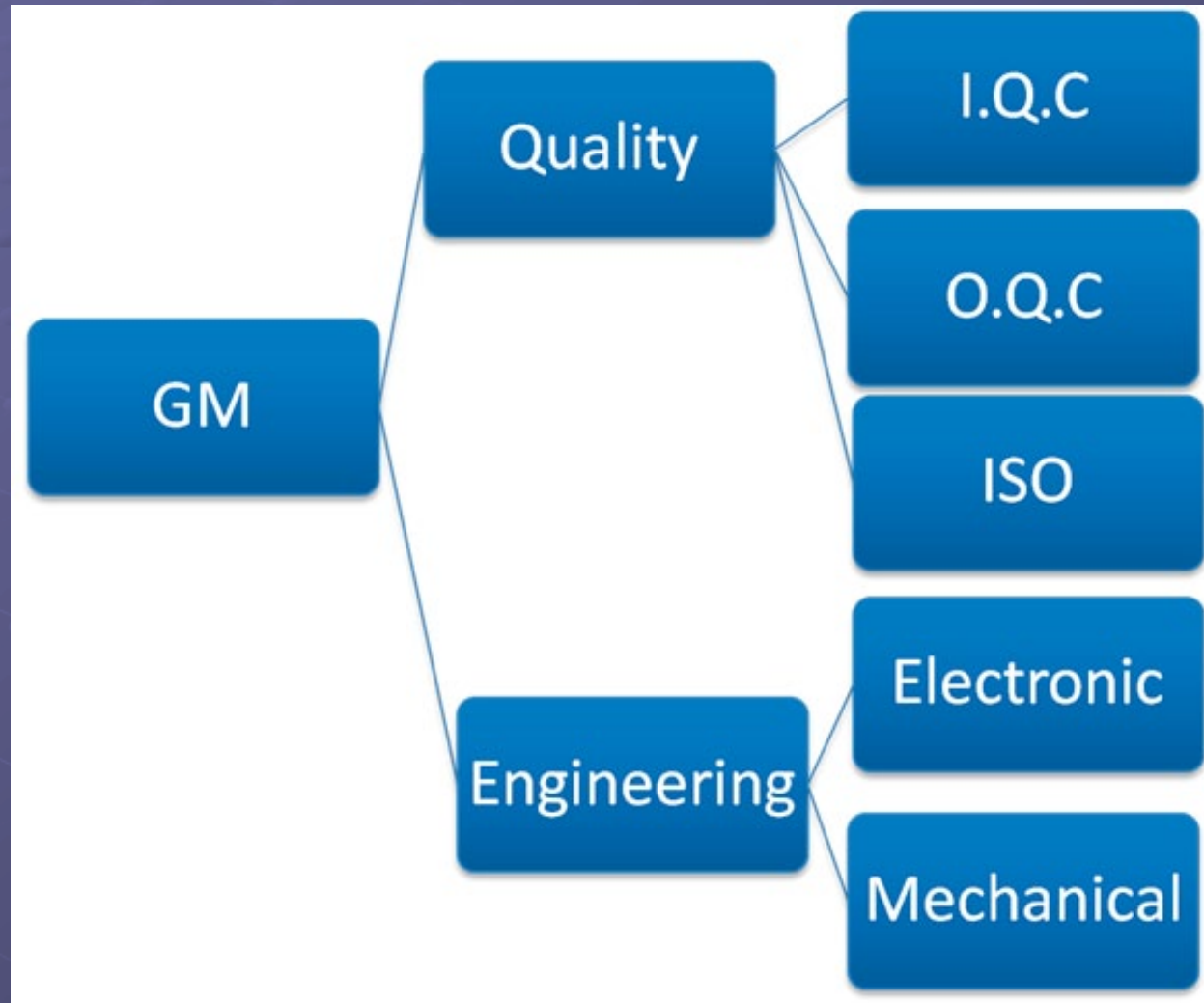
We have five years of experience in providing solutions in the energy-saving LED lighting industry, offering FR-4, MCPCB, thermal solutions, and complete/partial assemblies. We are focused on developing and producing new technologies in Light Guide Panels and Chip-on-Board.

We pride ourselves on giving the best possible customer service and the highest quality products with the shortest lead time in the industry at a competitive price.



Management Structure

With our experienced engineering and quality control team, Cofan guarantees to bring quality products to your docks.





ZPMV2.E202216
Wiring, Printed - Component

Enhanced searching capability for this category can be found in UL's IQ Family of Databases (iq.ul.com).

[Page Bottom](#)

Wiring, Printed - Component

[See General Information for Wiring, Printed - Component](#)

COFAN ELECTRONIC CO LTD
67 LANE 49 DONG FENG ST
SHULIN, TAIPEI HSIEN 238 TAIWAN

E202216

Type	Cond Width		Cond	SS/ DSO	Max Area mm(in)	Max Solder Limits C	Max Oper Temp C	Flame Class	Meets UL796 DSR	C
	Min	Edge								
	mm(in)	mm(in)	Thk mic(mil)	Thk DSO	Diam mm(in)	sec	Temp C	Class	DSR	I
Multilayer printed wiring boards.										
002	0.1 (0.004)	0.22 (0.009)	17 (0.67) Int:34	DS	76.2 (3.0)	260 10	105	V-0	All	-
003	0.15 (0.006)	0.45 (0.018)	17 (0.67) Int:34	DS	76.2 (3.0)	288 15	130	V-0	All	-
Single Layer Double Sided Metal Base Printed Wiring Board, employing metal base laminate.										
4	0.27 (0.011)	1.60 (0.063)	28 (1.10)	DS	50.8 (2.0)	260 40	130	V-0	All	-
Single Layer Metal Base Printed Wiring Board, employing metal base laminate.										
2	0.24 (0.009)	1.60 (0.063)	30 (1.18)	SS	50.8 (2.0)	260 40	130	V-0	All	-
Single layer metal base printed wiring board, employing metal base laminate, flammability only Recognition..										
1	-	-	-	SS	-	260 40	-	V-0	-	-
1A	-	-	-	SS	-	260 40	-	V-0	-	-
Single layer printed wiring boards.										
001	0.1 (0.004)	0.2 (0.008)	17 (0.67)	DS	25.4 (1.0)	274 15	130	V-0	All	-
Single Sided Multilayer Metal Based printed wiring boards.										
3	0.25 (0.010)	1.60 (0.063)	23 (0.91) Int:130	-	50.8 (2.0)	260 40	130	V-0	All	-

CTE

Marking: Company name or trademark and type designation. May be followed by a suffix to denote factory identification.
Last Updated on 2010-10-29

[Questions?](#) [Print this page](#) [Notice of Disclaimer](#) [Page Top](#)

Copyright © 2011 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.



DIRECT ASSESSMENT SERVICES



Quality Management System
Certificate of Approval

This is to certify that the Quality Management System of

Shenzhen Cofan Technology Co., Ltd.

Behind the Dafeng Repair Factory, Songyuan Road, Guanlan, Shenzhen City, Guangdong Province, P.R.China

Has been assessed and found to meet the requirements of

ISO 9001:2008

Manufacture and Service of Hardware Products and Plastic Products (Cooling Fin, Cooling Fan), LED Lamp, PCB, Connector

Certificate Number: Q141007129
Date of Issue: 16, July, 2010
Valid until: 15, July, 2013

Authorized by:  **Senior Executive**

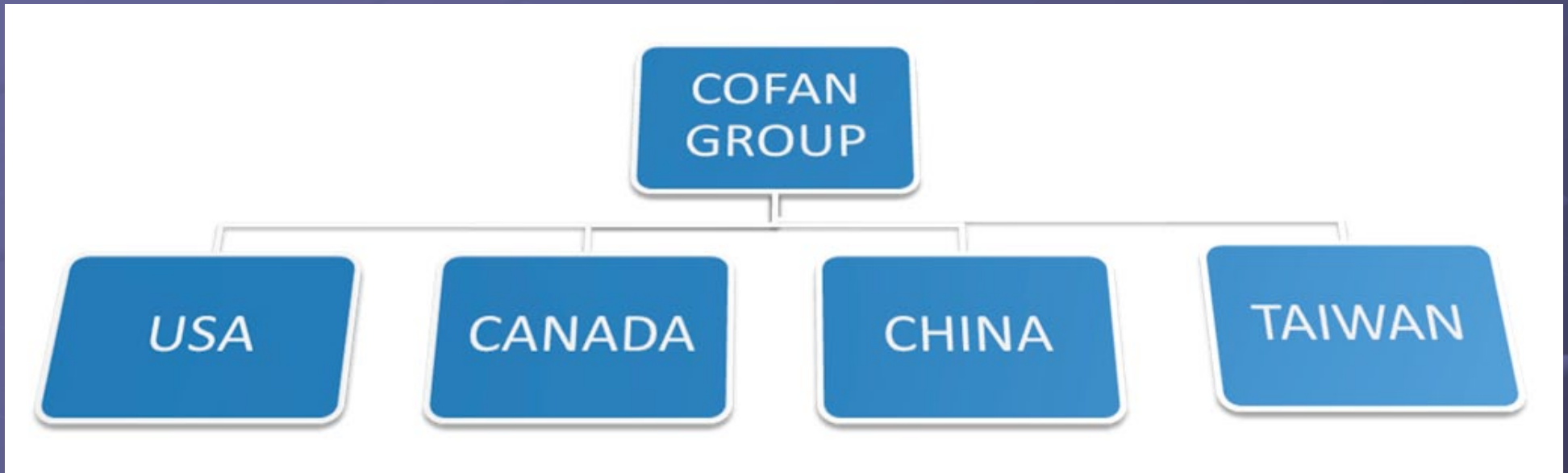


This Certificate is the Property of DAS
The Validity of the registration will be continued only when the organization accepts the annual surveillance audit. Check the certificate: www.das-china.com
Surveillance Audits



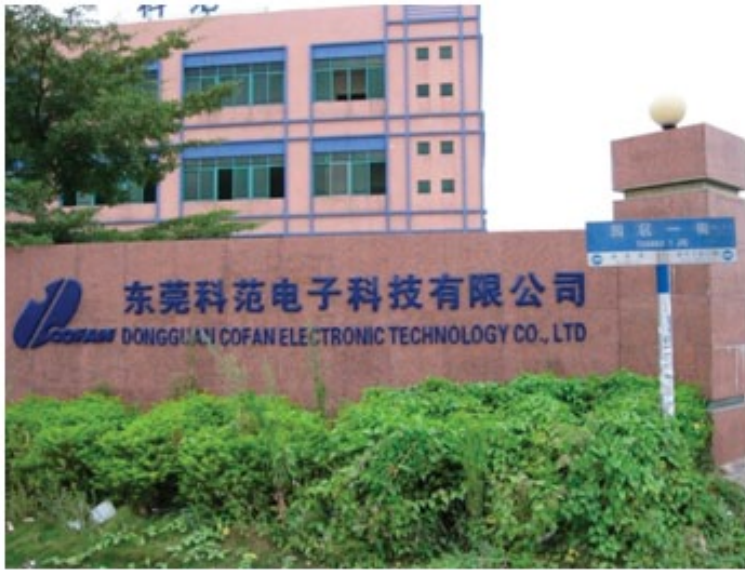
DAS Certification Ltd., Company Number: 3384526, 1 Wellington, Close, Horndean, Hampshire PO8 0UR UK .
China HQ: Shanghai DAS Certification Co., Ltd.
Address: 14A, Tower A, Victoria Plaza, No.1068 Xikang Road, Shanghai, P.R. China Zip Code:200060
Tel: 0086-21-62773910 Fax: 0086-21-62773343 <http://www.das-china.com>

Cofan Branches



Cofan group has total of 250 employees across Asia and North America, working as a team to meet your project needs. Our branches can assist with design services, production, and sales. Cofan is capable of delivering your parts that match to the drawing specifications. All of our facilities are ISO 9000:2001 certified for consistent management of our processes.

Cofan Facility



Processes and Equipments

Image Transfer Process



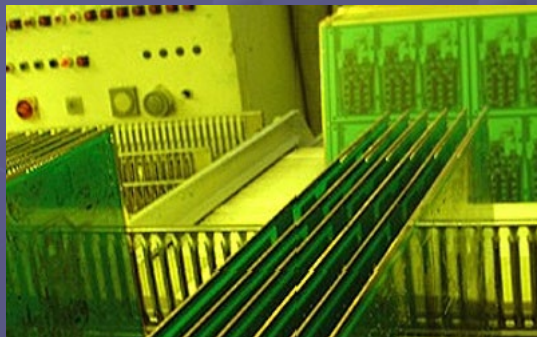
Circuit Pattern



Exposure



Pre-treatment



Solder Mask



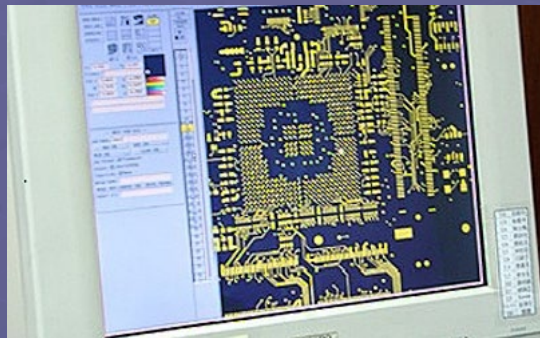
Exposure



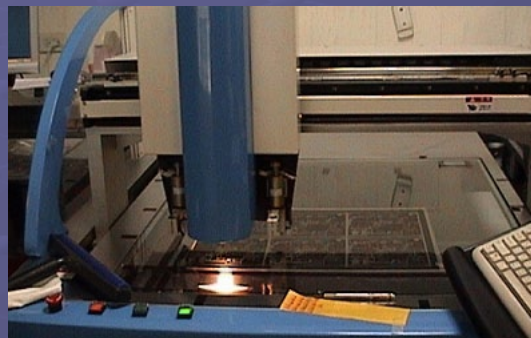
Development

Processes and Equipments

Pre-process Engineering



CAM Edit



A/W 3D Measurement



A/W CCD Drilling



A/W Exposure



A/W Exposure

Processes and Equipments

Mechanical Process



V-Score



Drilling



Vacuum LAM



Routing



Drilling

Processes and Equipments

Inspection and E-Testing



Hole Counter



X-Ray



Hole Location Check



E-Testing



Flying Probe



Visual Inspection

Customer List



Intel Corporation

NORTHROP GRUMMAN



Northrop Grumman Corp.

LOCKHEED MARTIN



Lockheed Martin Corp.

Canon

Canon, Inc.



SANMINA-SCI

Sanmina-SCI Corporation



Celestica™

Celestica, Inc.



HP Corporation

PHILIPS

Philips Corporation



IBM Corporation



LG Electronics

**Rockwell
Automation**

Rockwell Automation, Inc.



Xerox Corporation

NOKIA

Nokia Corporation

FLEXTRONICS

Flextronics Corporation



Direct TV