Xing Da Electric Technology Co., Ltd.

1.PCB Layout

2.Make PCB(1-38layers)

3.Purchase Components

4.Assemble components

5.Housing mold

6.PCBA Test

7.Final Test

One-stop Service

—— Professional PCB,PCB Assembly and Electronic Components Manufacturer

CONTENTS

Company Profile

Xing Da Electric Technology Co., Ltd.

A **professional PCB and PCBA manufacturer**, located in Shenzhen. After many years of development, we have become a group company that integrates research and development, manufacture, SMT, sale, and so on. Our company has set up a subsidiary company in Hong Kong and our subsidiary company is specialized in developing overseas markets.

We provide one-stop service for our clients, from PCB layout to assembling all components.

1.PCB layout
2.Make PCB(1-38 layers)
3.Provide all components
4.Assemble all components
5.Writing programming
6.PCBA/finished product Testing

Our factory has advanced production and test equipment from Germany,Taiwan,Japan,and Italy. For example ,cut machine from Taiwan, SCHMOLL from Germany,POSALUX from Switzerland , pressure machine from Italy,exposure machine from Japan,V-cut machine from Germany. And import AOI of Camtek and Obotech ,and CMI900 advance test equipments,and so on.

In order to ensure the production of high-quality products, we have cultivated a group of innovative, professional, and experienced staff in technology, production, and management. Our team now consists of 700 dedicated employees.

We test and control the quality of products according to American IPC and MIL. We have got UL ,CQC TS16949 and ISO14000 certificates,so we can sell safe printed circuit boards and PCBA to all countries over the world.

Our company has been recognized widely with good qaulity ,quick delivery,best service and reasonable prices in many fields, such as automotive electronics ,digital communications and electrical instruments, and LED industry sector.Our products are sold well in Asia, Europe and America etc.

Culture

Honesty,fairness,Profession,innovation!

Policy

Quality firstly,customer firstly,
Mutual benefit,develope together

Vision

Intelligent manufacturing service provider

Mission

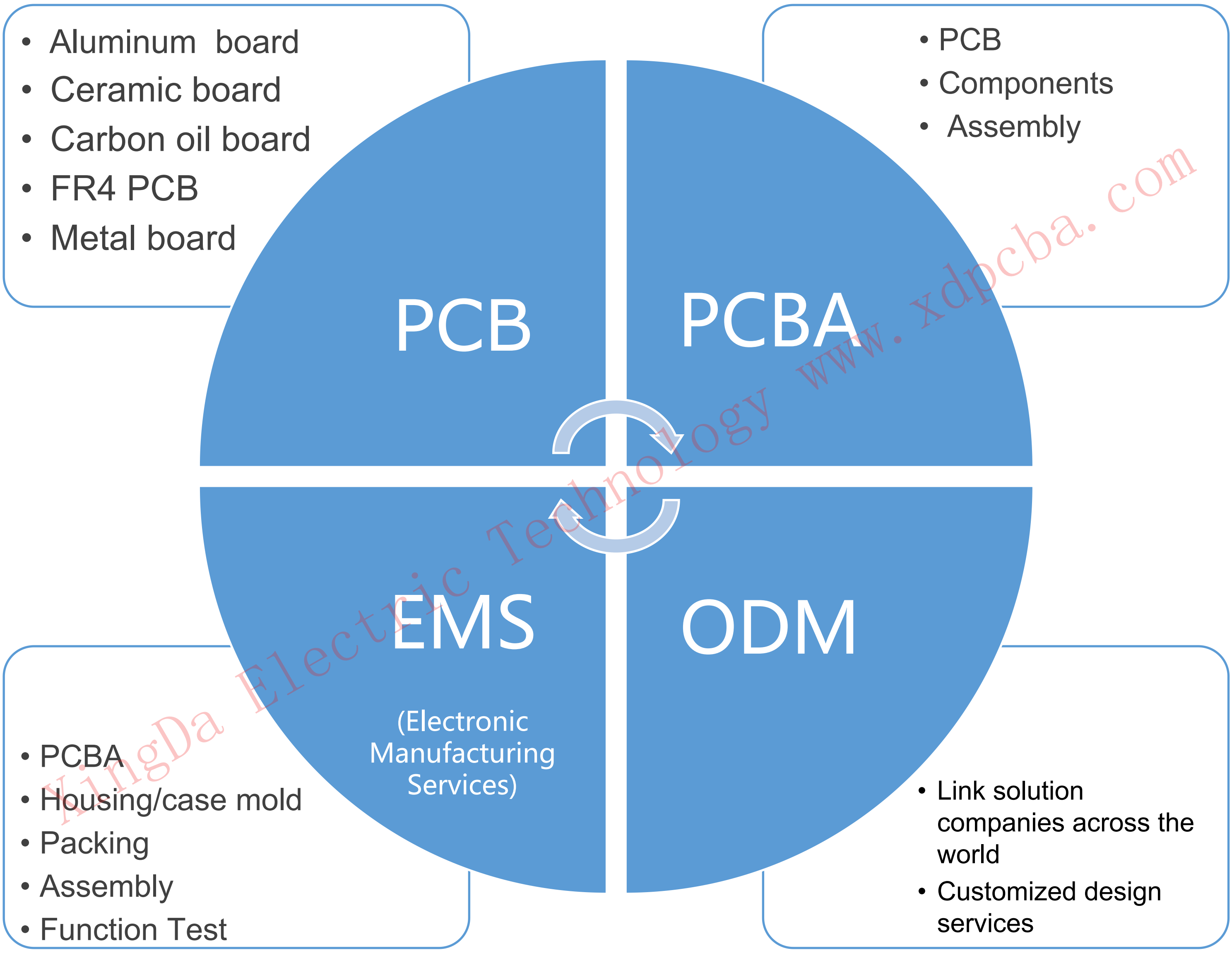
One-stop service, smart manufacturing,
makes your production easier.








Business Model



- Aluminum board
- Ceramic board
- Carbon oil board
- FR4 PCB
- Metal board

- PCB
- Components
- Assembly

PCB

PCBA

EMS

(Electronic Manufacturing Services)

ODM

- PCBA
- Housing/case mold
- Packing
- Assembly
- Function Test

- Link solution companies across the world
- Customized design services

Certification

Certificate

Certificate No.: [illegible]

We hereby certify that the organization:

Shenzhen Xindaxing Electric Technology Co., Ltd.

Unified social credit code: 914403005867262381

is in conformity with Quality Management System Standard:

ISO9001:2015

The certificate is valid to the following product(s)/service:

Processing of PCBA (SMT、DIP) for Electronic Products

Registration Address/ Physical Address: 5th Floor, Building C2, Hengfeng Industrial Park, No. 739, Zhoushi Road, Hezhou Community, Hangcheng Street, Baoan District, Shenzhen City, Guangdong Province, P. R. China

Date of Issue: 2021-09-06
Date of Expiry: 2024-09-05
Date of Initial Issue: 2015-10-26

Issued By:

Beijing Head International Certification Co., Ltd.

UL Product iQ®

Wiring, Printed - Component

COMPANY

Shenzhen Xindaxing Electronic Technology Co., Ltd.

E535137

中泰认证检测

CERTIFICATE OF ENVIRONMENT MANAGEMENT SYSTEM CERTIFICATION

Cert No.: [illegible]

Shenzhen Xindaxing ElectricTechnology co., Ltd.

Registration Address/ Physical Address: 5th Floor, Building C2, HengfengIndustrial Park, No.739, Zhoushi Road, Hezhou Community, HangchengStreet, Baoan District, Shenzhen City, Guangdong Province, P. R. China

Unified social credit code: 914403005867262381

Environmental Management System:

GB/T24001-2016/ISO14001:2015

Scope of certification is as follows:

Processing of PCBA (SMT、DIP) for Electronic Products

Initial date: Jan 18,2024
Term of validity of this certificate: Jan 18,2024 To Jan 17,2027

Guangdong China-Tai Certification Testing Co.Ltd

中泰认证检测

CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION

Cert No.: [illegible]

Shenzhen Xindaxing ElectricTechnology co., Ltd.

Registration Address/ Physical Address: 5th Floor, Building C2, HengfengIndustrial Park, No.739, Zhoushi Road, Hezhou Community, HangchengStreet, Baoan District, Shenzhen City, Guangdong Province, P. R. China

Unified social credit code: 914403005867262381

Occupational Health and SafetyManagementSystem :

GB/T45001-2020/ISO45001:2018

Scope of certification is as follows:

Processing of PCBA (SMT、DIP) for Electronic Products

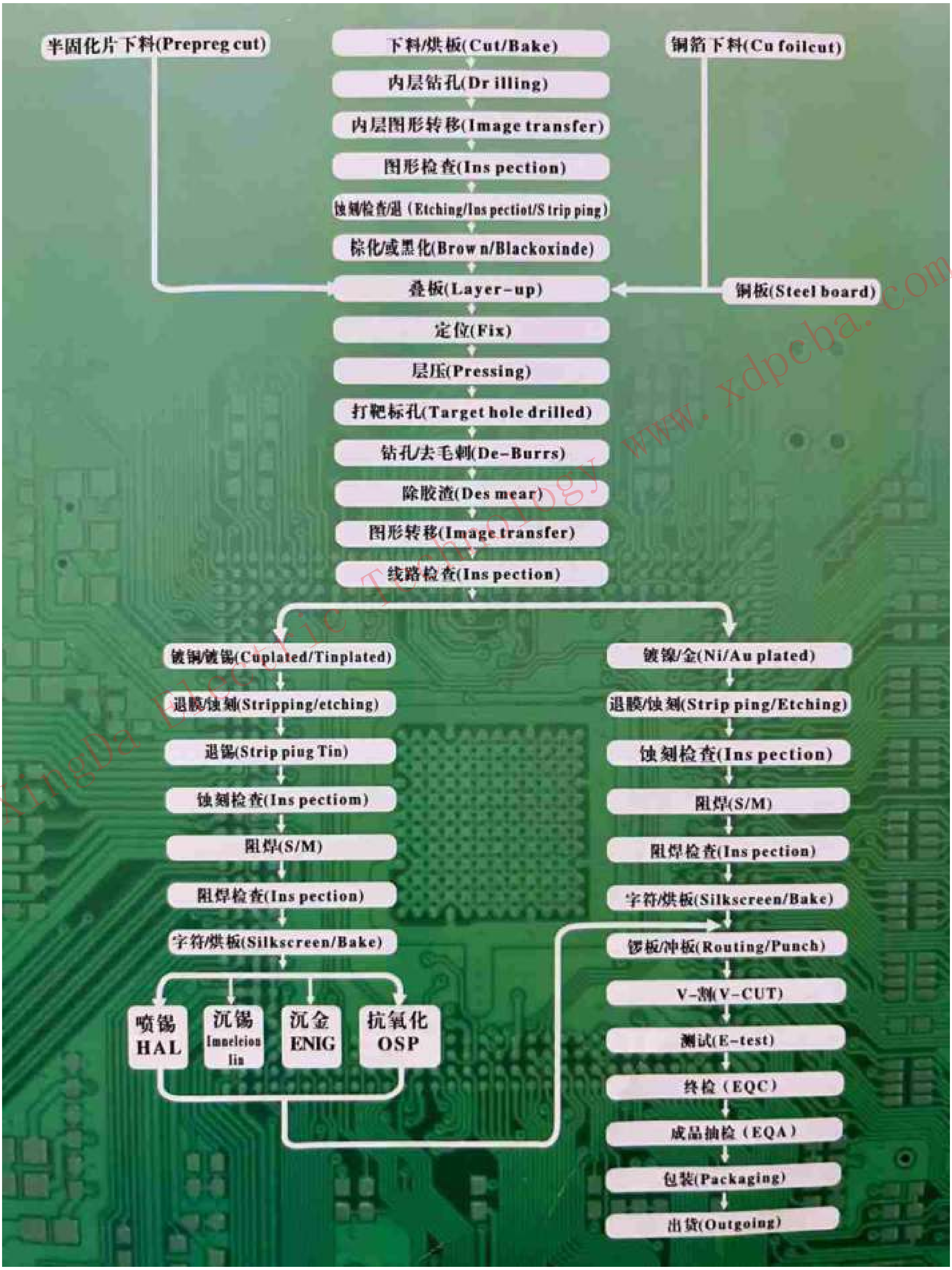
Initial date: Jan 18,2024
Term of validity of this certificate: Jan 18,2024 To Jan 17,2027

Guangdong China-Tai Certification Testing Co.Ltd

PCB Manufacture Capacity

Item	Specification
Material	FR-4, FR1,FR2; CEM-1, CEM-3,Rogers, Teflon,Arlon,Aluminum Base, Copper Base,Ceramic, Crockery, etc.
Remarks	High Tg CCL is Available(Tg>=180℃)
Finish Board Thickness	0.2 mm-6.00mm(8mil-126mil)
Surface Finish	Gold finger(>=0.13um), Immersion Gold(0.025-0075um), Plating Gold(0.025-3.0um), HASL(5-20um), OSP(0.2-0.5um)
Shape	Routing、Punch、V-cut、Chamfer
Surface Treatment	Solder Mask(black, green, white, red, blue, thickness>=12um, Block, BGA)
	Silkscreen(black, yellow, white)
	Peel able-mask(red, blue, thickness>=300um)
Minimum Core	0.075mm(3mil)
Copper Thickness	1/2 oz min; 12oz max
Min Trace Width & Line Spacing	0.075mm/0.075mm(3mil/3mil)
Min Hole Diameter for CNC Drilling	0.1mm(4mil)
Min Hole Diameter for Punching	0.6mm(35mil)
Biggest panel size	610mm * 508mm
Hole Position	+/-0.075mm(3mil) CNC Drilling
Conductor Width(W)	+/-0.05mm(2mil) or +/-20% of original
Hole Diameter(H)	PTHL:+/-0.075mm(3mil)
	Non PTHL:+/-0.05mm(2mil)
Outline Tolerance	+/-0.1mm(4mil) CNC Routing
Warp & Twist	0.70%
Insulation Resistance	10Kohm-20Mohm
Conductivity	<50ohm
Test Voltage	10-300V
Panel Size	110 x 100mm(min)
	660 x 600mm(max)
Layer-layer misregistration	4 layers:0.15mm(6mil)max
	6 layers:0.25mm(10mil)max
Min spacing between hole edge to circuitry pattern of an inner layer	0.25mm(10mil)
Min spacing between board outline to circuitry pattern of an inner layer	0.25mm(10mil)
Board thickness tolerance	4 layers:+/-0.13mm(5mil)

Multi-Ager PCB Manufactural Process



FPC Tech Specification

Items	Capabilities
Layers	FPC：1 to 6 Layers, Rigid Flex：2 to 10 Layers
Regular Base Materials	Kapton, Polyimide（PI）,Polyester（PET）
Base Copper Thickness	1/3 oz to 2oz
Regular Base Material Thickness	12.5um to 50um（FPC）
	0.1mm to 3.2mm（Rigid）
Regular Coverlay Thickness	27um to 50um
Regular Adhesive Thickness	12um to 25um
Blind or Buried Vias	Yes
Impedance Control	Yes
Min.Line Width/Spacing	0.04mm/0.04mm
Surface Finishing	Electroplate Ni/Au（Flash gold/Soft gold/Hard gold）,ENIG, Immersion Tin; plated silver;immersion silver ; OSP,HASL
Outline Fabrication	Die cut, laser cut, CNC routing, V-scoring
Hole to edge(Hard tool/Die Cut)	±0.1/±0.2mm
Edge to edge(Hard tool/Die Cut)	±0.05/±0.2mm
Circuit to edge(Hard tool/Die Cut)	±0.07/±0.2mm

Aluminium Tech Specification

Item	
Type of Alum board	single board, Insulation board, double sided board
Finish Board Thickness	0.4mm----- 3.0mm
Copper Thickness	1 OZ--6 OZ
Min.Trace Width & Line Spacing	0.15mm
Biggest size	120cm*60cm
Type for surface treatment	OSP.HASL, Immersion Gold ,Immersion Tin (lead free)
OSP	0.20-0.40um
Thickness of Ni	2.50-3.50um
Thickness of Au	0.05-0.10um
Thickness of tin	5-20um
Thickness of immersion silver	0.15-0.40um
Thermal conductivity	1.0W-----3.0W
Dielectric Thickness	50um-150um
Thermal resistance	0.05℃/W-1.7℃/W
Minimum completed hole dimension	±0.10mm
Tolerance for Hole Diameter	±0.075mm
Minimum Drilling Hole Diameter	φ0.8mm
Mask between pins	0.15mm-0.35mm
Minimum spacing between Pad and Pad	0.18mm-0.35mm
Outline tolerance	±0.10mm
Minimum thickness for V-cut	0.25mm
Outside copper thickness	18-105um
Core copper thickness	18-35um

Carbon Oil Tech Specification

Handle PCB(PS2,XBOX.etc)	
Main technical parameter	
Rang of total resistance	1KΩ-1MΩ
Resistance tolerance:	±20%
Resistance to heat :	260℃±5℃，5sec，△TR≤±50%
Durability:	1 Million cycles Min

Automobile component(Use for windscreen wiper. light and air-condition)	
Main technical parameter	K-1MΩ
Resistance taper:	linear
Resistance tolerance:	±1%
Linearity tolerance:	±1%
Durability:	I Million cycles Min
TCR:	with ±1000 PPM(-30℃--+70℃)

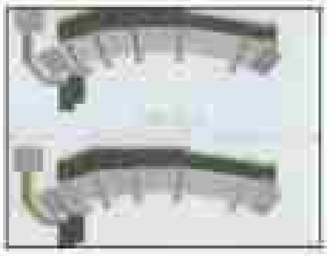
Electricital Component in speed control,etc.	
Main technical parameter	RΩ-3MΩ
Resistance tolerance:	±1%
Linearity tolerance:	±1%
Durability:	1 Million cycles Min

Ceremic PCB Tech Specification

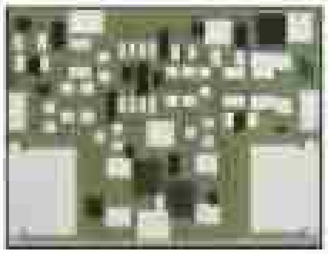
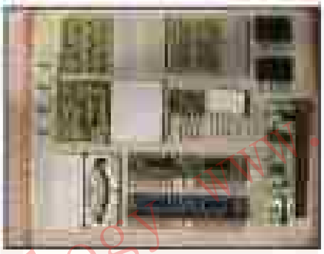
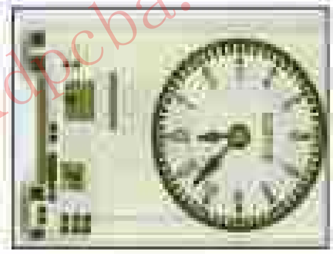
Item	Test Condition	unite	senior
Material	Aluminium nitride Ceramic /Alumina 99.5%/Alumina 99%		
Color status			
average crystal size		μm	3-5
volume density		g/cm^3	≧3.74
water absorption		%	0
Vickershardness	Load 4.9	Gpa	≧15
flexural Strength	Bending moment 80mm	Mpa	≧324
Linear Coefficient of Thermal Expansion	20-500℃20-800℃	1×10-˚mm/℃	605-7.56.5-8.0
thermal conductivity	20℃	W(m-k)	≧170
Dielectric intensity		Kv/mm	≧12
Volume Resistance	20℃300℃500℃	Ω-cm	$\geqq 10^{14}\geqq 10^{11}\geqq 10^{9}$
Dielectric Constant	1MHz		9.3-10.6
dielectric loss	1MHz		3×10^{-4}
Thermal-shock	850℃	times	≧7
roughness of the surface	Ra(λ2)	μm	0.20-0.75

Feature products

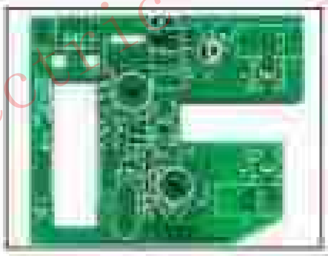
Ceramic /Pottery/Crockery PCB

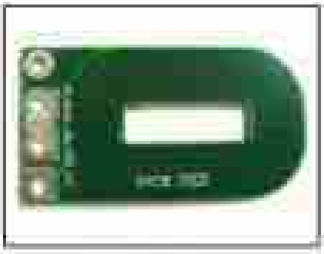
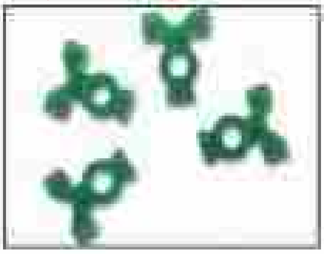
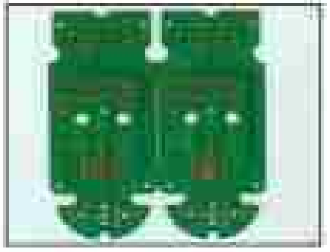
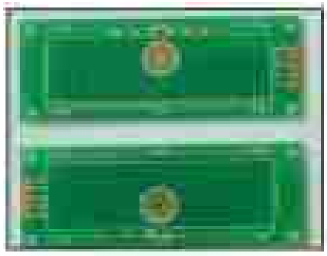
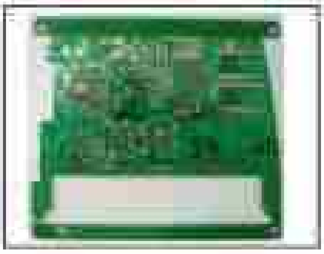
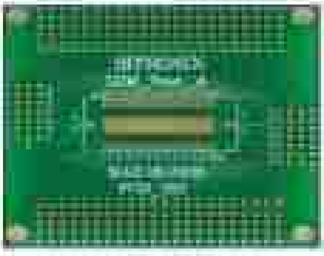
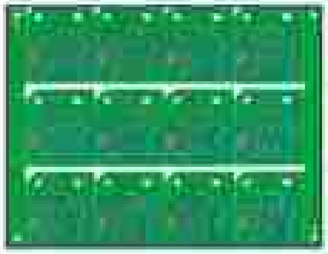
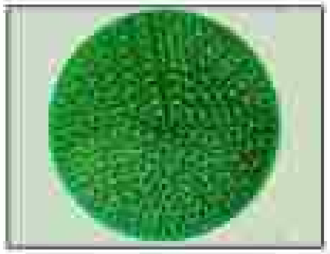
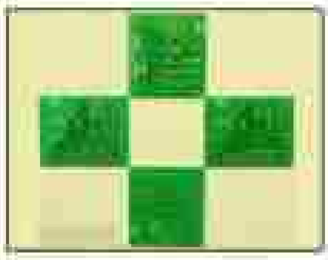





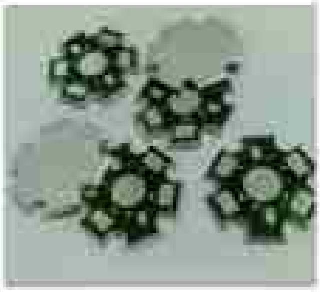




FR4 PCB

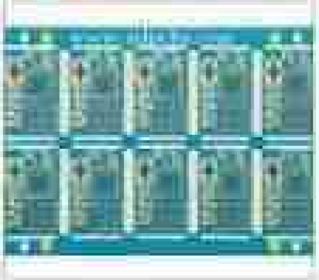



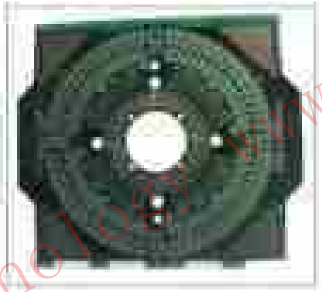










Metal PCB

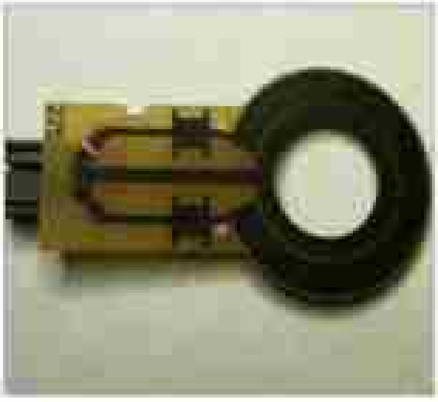
Metal PCB



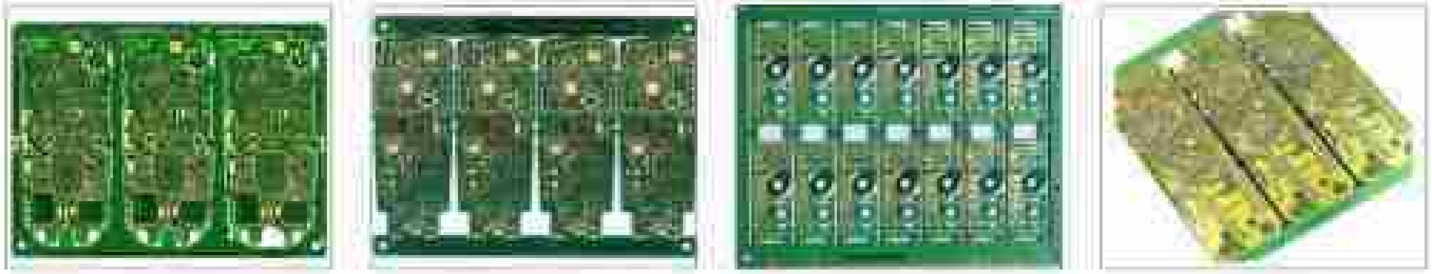



Carbon Oil PCB

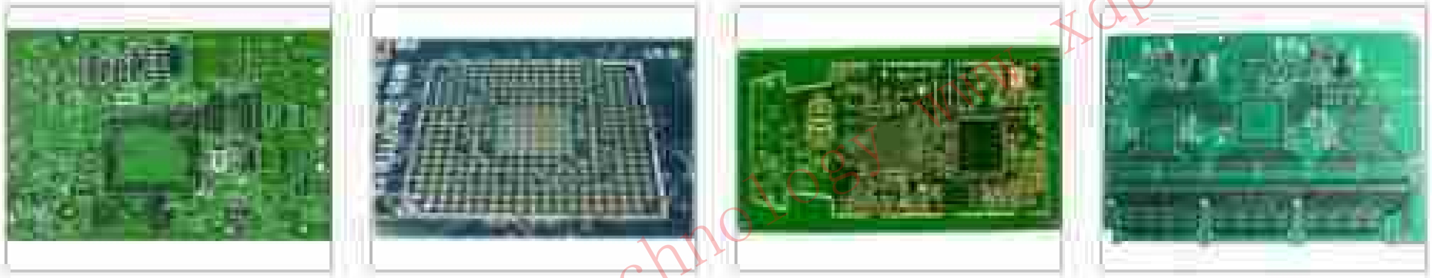


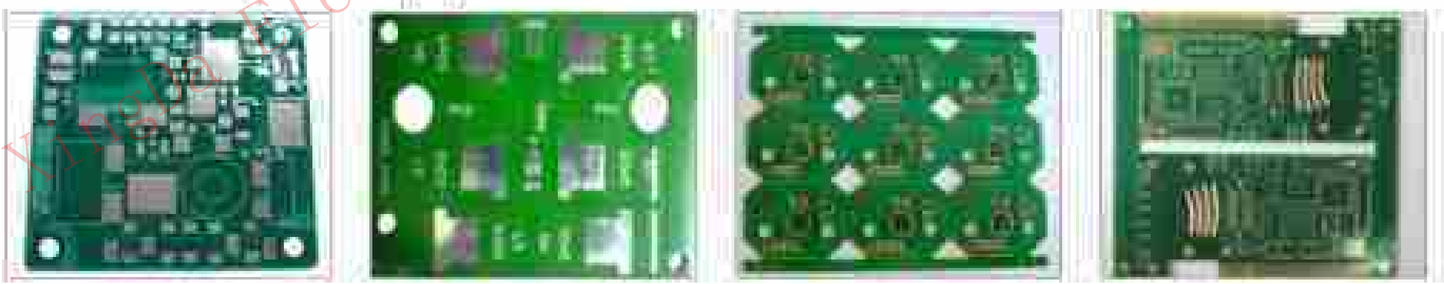
HDI PCB



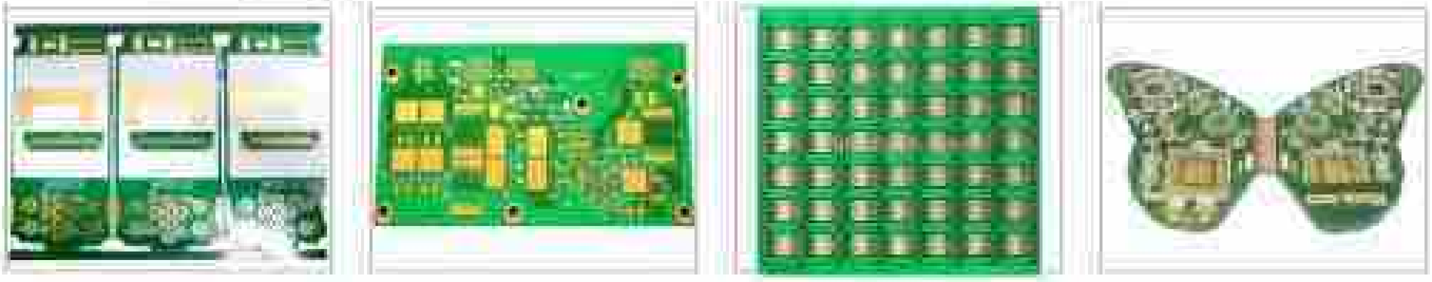
BGA PCB



Heavy copper PCB

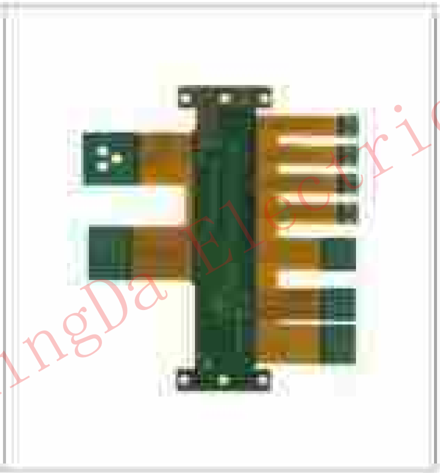


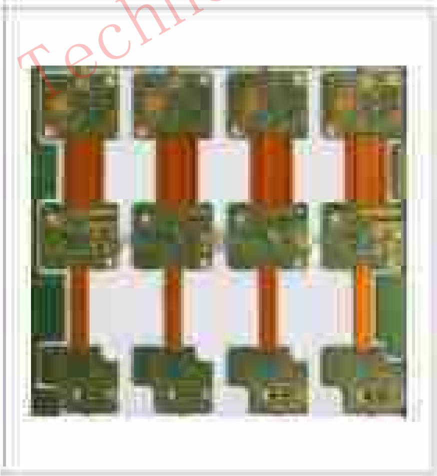
Heavy gold/Au PCB



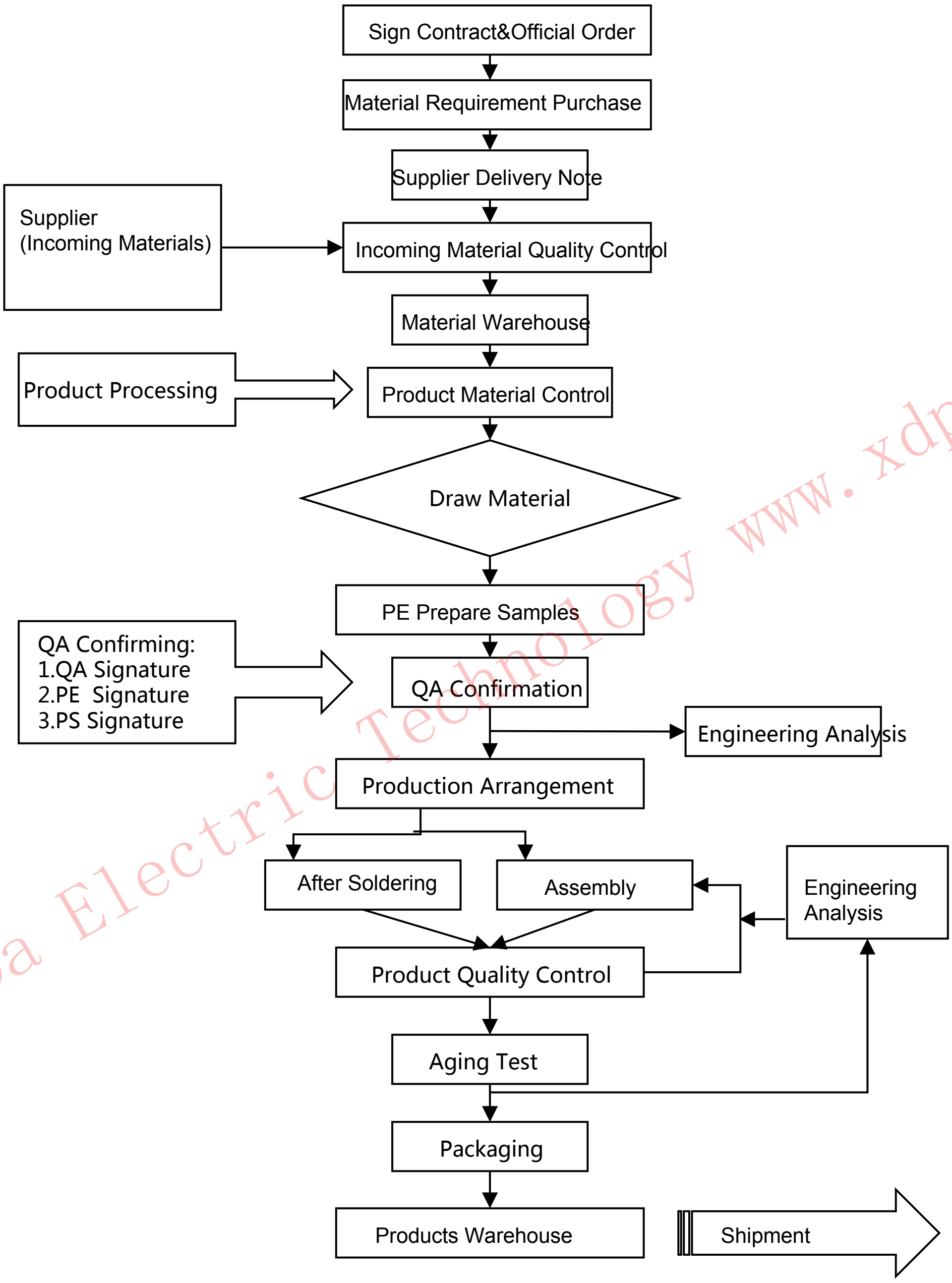
FPC-Flexible print circuit

Rigid-flex PCB





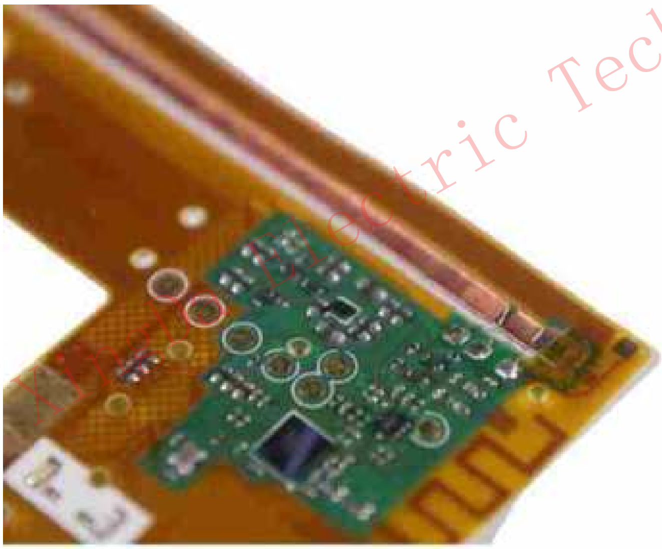
PCBA Process Chart

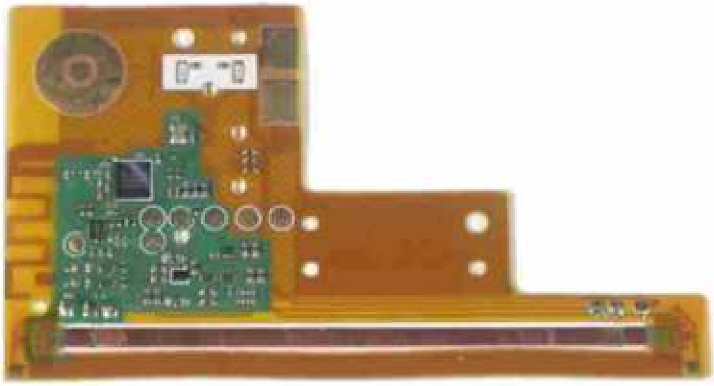


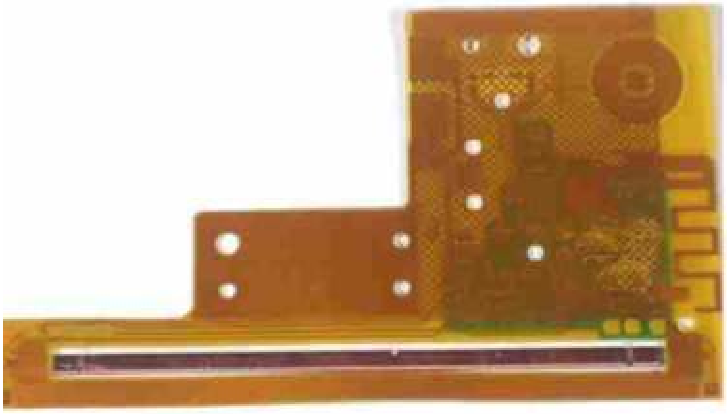
PCBA Technical requirement:

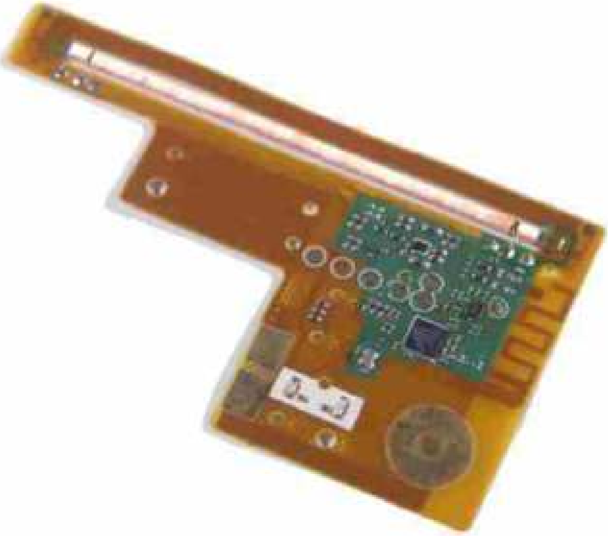
1) Professional Surface-mounting and Through-hole soldering Technology
2) Various sizes like 1206,0805,0603 ,0201 components SMT technolgoy
3) ICT(In Circuit Test),FCT(Functional Circuit Test) technology.
4) PCB Assembly With UL,CE,FCC,Rohs Approval
5) Nitrogen gas reflow soldering technology for SMT.
6) High Standard SMT&Solder Assembly Line
7) High density interconnected board placement technology capacity.

FPCA









PCB Assembly

Customer Representatives

Ford

SAMSUNG

logi

MOTOROLA

PHILIPS

tyco Electronics Power Components

Sony Ericsson

Leader

KTC

Logitech

MERRY

ASUS

Raychem CIRCUIT PROTECTION

Micah

Neo-Neon™

SAE

bM

Russia:

REDMOND

StarLine

Italy:

elenos group

labware

United States:

Donaldson

FETCO

Germany:

SIEMENS

Turkey:

VESTEL

Slovenia :

SELTRON VARČNO OGREVANJE

Argentina:

SMT CIIECCA

Portugal:

CWJ POWER ELECTRONICS

Iran:

CROUSE كروز

Hungary:

United Kingdom:

eEnergy

Sweden:Fosieborg AB

Switzerland: swissponic

XingDa Electric Technology Co.,Ltd.

PCBA Factory Address: 5th Floor, C2 Building, Hengfeng
Industrial Park, Zhoushi Road, Hezhou Community, Hangcheng
Street, Baoan District, Shenzhen, China

PCB Factory Address: Building 3, Wanxia Industrial Park,
Shajing, Baoan District, Shenzhen, China

Office Address: Room No.816,Unit A, Huafeng headquarters
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