



PCB PRODUCT BROCHURE 2023

www.jhdpcb.com



TO BE CHINA'S TOP5 PCB MANUFACTURER

Company Profile

Founded in 2009, JHDPCB has been manufacturing full range of high-tech Print circuit boards, including single layer PCB, double-layer PCB, multi Layers PCB and HDI PCB with up to 24 layers. Our world-class fabrication and ten-year experience allow us to manufacture any quantities of PCB, in large, medium or small batches. We have been an ISO 9001 certified company since 2010 and our PCB products comply with IPC-A-600 class II or class III.



Over the last 13 years, JHDPCB supplies state-of-the-art printed circuit boards for many different products and across several industries, including automotive, consumer electronics, lighting, industrial equipment, medical and more.

Today, JHDPCB has grown into a truly global manufacturing company, which working with customers from more than 100 countries, including United States, Canada, Italy, Germany, France, Russia, Dubai, Saudi Arabia etc. Our goal remains the same. We hope to become one of the top five printed circuit board manufacturers in China. We do believe this is a real ambition, but JHDPCB is getting closer to that dream one step at a time.



Our numbers

11,000M²

Factory

100,000M²

Monthly Capacity

4,000+

Customers

100+

Covering Countries

Print Circuit Board Fabrication

JHDPCB accelerates and improves PCB production year after year. By setting up new factories, investing in new production machines, improving processes and developing production information systems, JHDPCB now has **3 factory branches** with a total area of **11,000 square** meters and a monthly PCB production capacity of up to **100,000 Sqm**.

From simple to complex, we can produce PCB boards of various materials, aluminum substrates, copper substrates, FR4, CEM1&CEM3, halogen-free boards, high Tg, high frequency boards, etc.



Our history

2009

JHDPCB was established by Hank Wang in China

2010

JHDPCB factory was established in Shenzhen, China, produces single-sided aluminum PCB

2014

Another PCB product line was introduced to produce single layer FR4 PCB, CEM1 and CEM3 PCB

2016

Set up an overseas sales department to efficiently and directly serve customers around the world

2019

A new PCB factory was established in Jiangxi, China to produce 2 layers PCB

2020

Introduced new production equipment and expanded product lines to multi-layer PCB

The world's leading production equipment produces top-quality PCBs



Parts of our equipment list as follows:

- Lamination machines from VIGOR
- LDI Machines from Orbotech & HANS
- Etching lines from UCE
- VCP Copper plating lines from UCE & Command
- Spray coating lines from FUJI
- Mechanical drilling machines from SCHMOLL, HITACHI & HANS
- Laser drilling machines from Mitsubishi
- AOI machines from Orbotech
- Automatical E-tester machines from Mason

Large-scale production reduces costs and provides you with cost-effective PCB

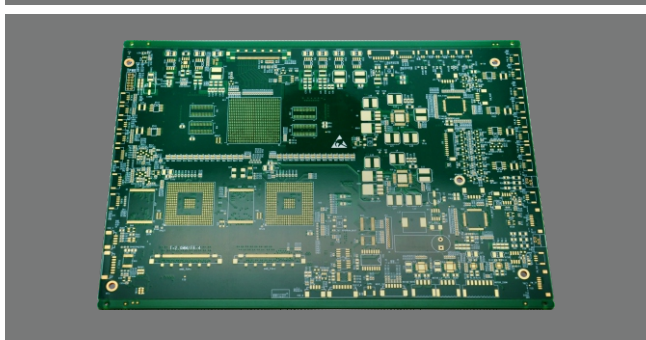
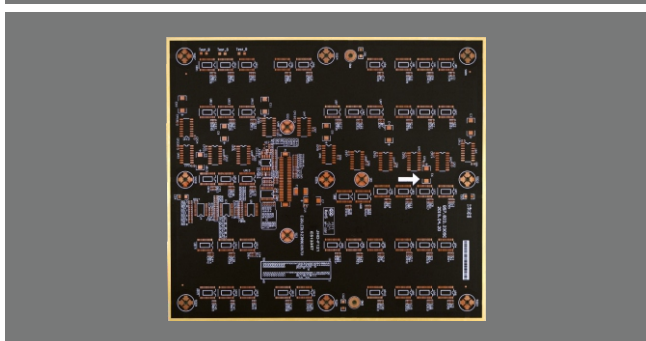
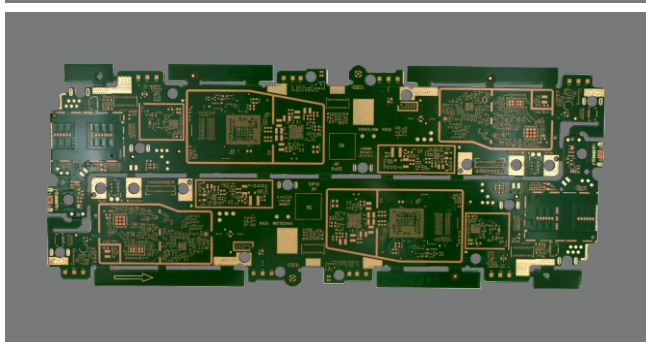
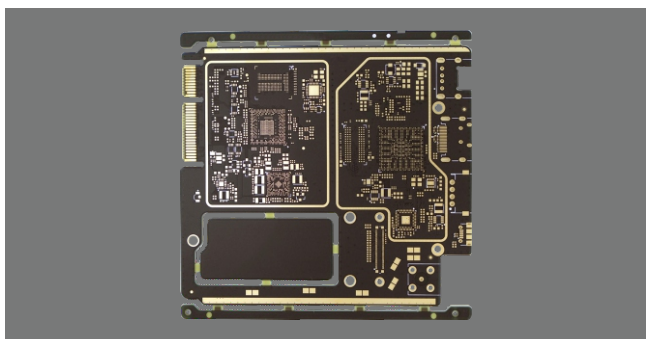
We constantly update production technology to improve production efficiency, and ultimately reduce costs. Our goal is to produce high-quality PCB with lower price by large-scale production.





HDI PCB

AI, Telecom, Consumer Electronics



- PCB Type: HDI PCB
- Base material: Fr4
- Layers: 6 Layers
- PCB thickness: 1.6mm
- Inner (outer) layer copper thickness: 1 OZ/ 1 OZ
- Surface treatment: Immersion gold+OSP
- Application field: Consumer Electronics
- Special process: Golden finger



- PCB Type: HDI PCB
- Base material: Fr4
- Layers: 8 Layers
- PCB thickness: 0.8mm
- Inner (outer) layer copper thickness: 1 OZ/ 1 OZ
- Surface treatment: Immersion gold+OSP
- Application field: Tablet computers
- Special process: 1 step



- PCB Type: HDI PCB
- Base material: Fr4
- Layers: 8 Layers 3+2+3 HDI
- PCB thickness: 2.0mm
- Inner (outer) layer copper thickness: 1 OZ/ 1 OZ
- Surface treatment: Immersion gold
- Application field: LED splicing screen
- Special process: 3 steps, depth control

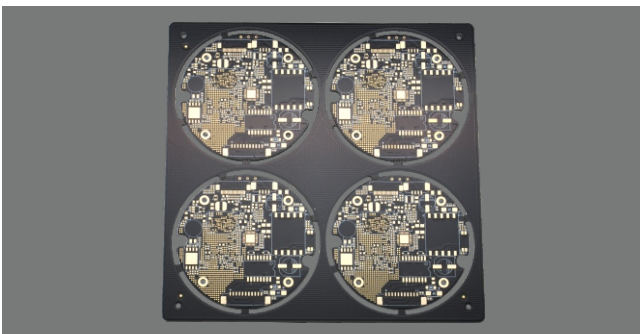
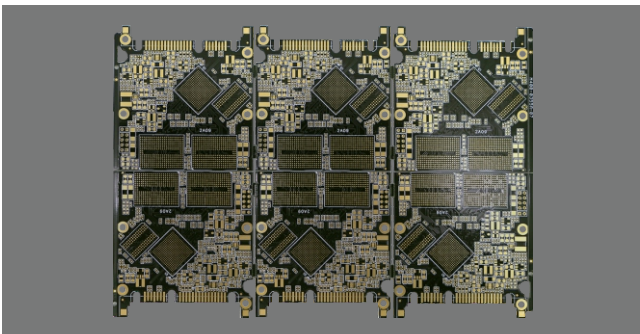
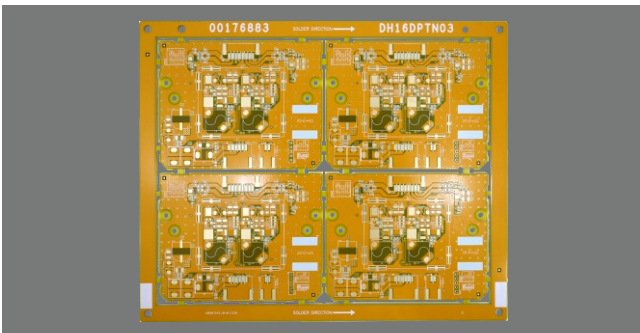
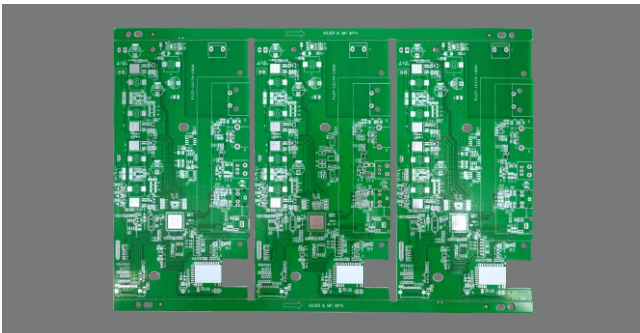


- PCB Type: HDI PCB
- Base material: Fr4 High Tg
- Layers: 8 Layers
- PCB thickness: 2.0mm
- Inner (outer) layer copper thickness: 18 um/35 um
- Surface treatment: Immersion gold
- Application field: The server
- Special process: 1 step



Multi Layers PCB

Automobile, Telecom, Consumer Electronics



- PCB Type: Multi-layer PCB
- Base material: Fr4
- Layers: 4 Layers
- PCB thickness: 1.6mm
- Inner (outer) layer copper thickness: 1 OZ/1 OZ
- Surface treatment: Lead free Hasl
- Application field: Smart home
- Special process: None



- PCB Type: Multi-layer PCB
- Base material: Fr4 Tg150
- Layers: 4 Layers
- PCB thickness: 1.6mm
- Inner (outer) layer copper thickness: 1 OZ/1 OZ
- Surface treatment: Immersion gold
- Application field: Automobile
- Special process: TG 150



- PCB Type: Multi-layer PCB
- Base material: Fr4
- Layers: 6 Layers
- PCB thickness: 1.0mm
- Inner (outer) layer copper thickness: 1 OZ/2 OZ
- Surface treatment: Immersion gold
- Application field: Smart Electronics
- Special process: Through hole

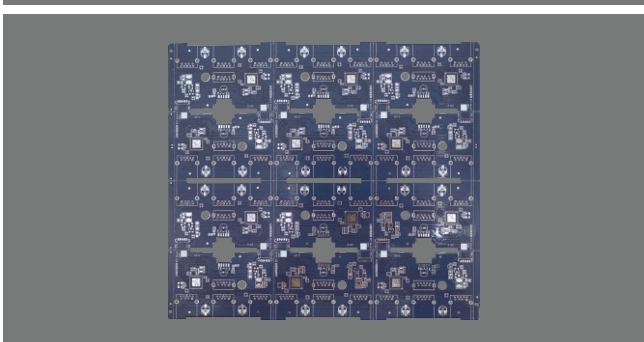
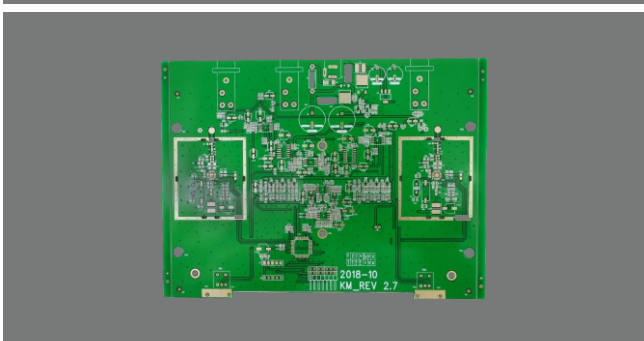
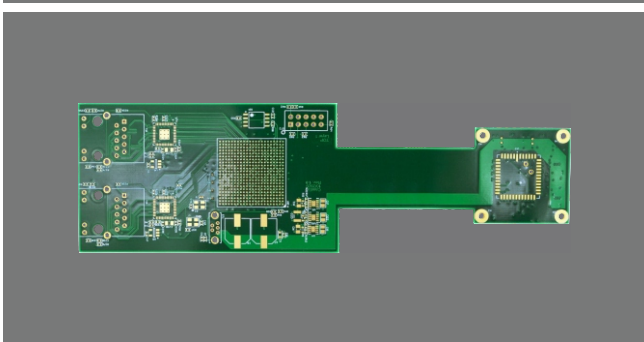
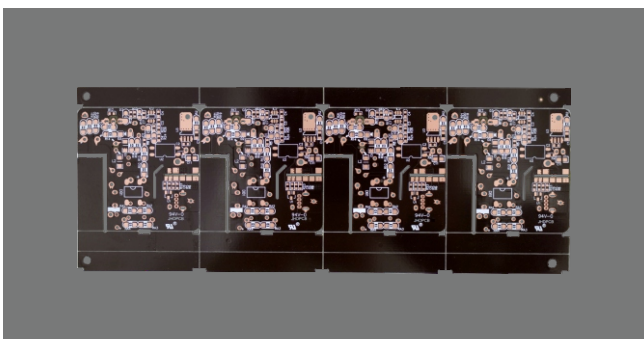


- PCB Type: Multi-layer PCB
- Base material: Fr4
- Layers: 4 Layers
- PCB thickness: 1.2mm
- Inner (outer) layer copper thickness: 1 OZ
- Surface treatment: Immersion gold
- Application field: Security equipment
- Special process: None



Double-Layer PCB

Automobile, Power Adapter, Consumer Electronics



- PCB Type: Double-Layer PCB
- Base material: Fr4
- Layers: 2 Layers
- PCB thickness: 1.6mm
- Top and bottom layer copper thickness: 1 OZ/1 OZ
- Surface treatment: LF-HASL
- Application field: Adapter
- Special process: None



- PCB Type: Double-Layer PCB
- Base material: Fr4
- Layers: 2 Layers
- PCB thickness: 1.2mm
- Top and bottom layer copper thickness: 1 OZ/1 OZ
- Surface treatment: ENIG
- Application field: Electronics
- Special process: None



- PCB Type: Double-Layer PCB
- Base material: Fr4
- Layers: 2 Layers
- PCB thickness: 1.6mm
- Top and bottom layer copper thickness: 1 OZ/1 OZ
- Surface treatment: LF-HASL
- Application field: Electronics
- Special process: None

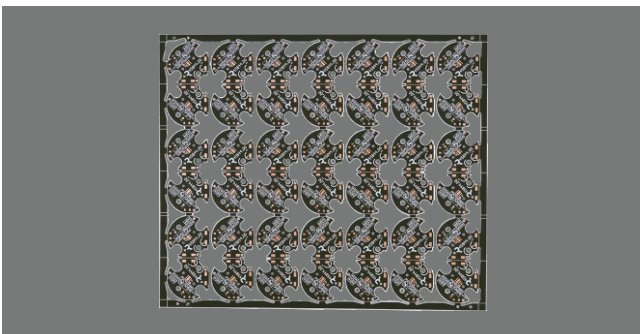
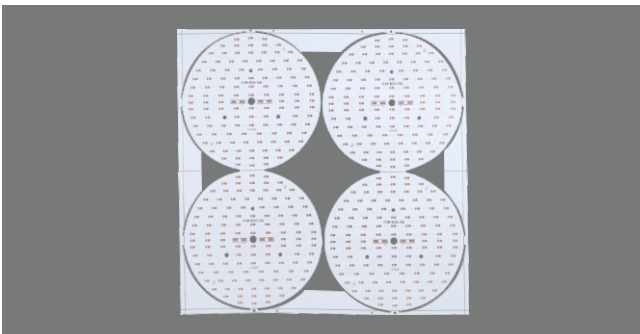
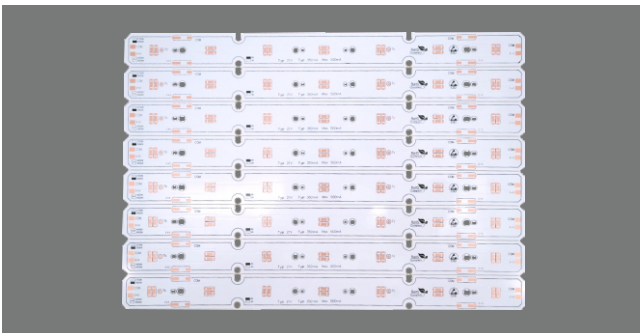
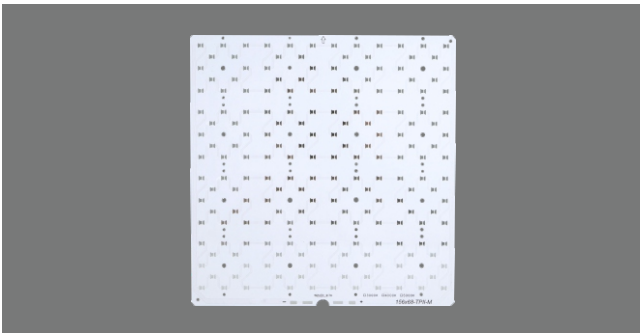


- PCB Type: Double Layer PCB
- Base material: Fr4
- Layers: 2 Layers
- PCB thickness: 1.6mm
- Top and bottom layer copper thickness: 1 OZ/1 OZ
- Surface treatment: HASL
- Application field: Consumer Electronics
- Special process: None



Single Layer PCB

LED Lighting, Back Light, Consumer Electronics



- PCB Type: Single Layer PCB
- Base material: Aluminum
- Layers: 1 Layer
- PCB thickness: 1.6mm
- Copper thickness: 1 OZ
- Surface treatment: LF-HASL
- Application field: LED Lighting
- Special process: None



- PCB Type: Single Layer PCB
- Base material: CEM1/ CEM3
- Layers: 1 Layer
- PCB thickness: 1.6mm
- Copper thickness: 1 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: None



- PCB Type: Single Layer PCB
- Base material: Fr4
- Layers: 1 Layer
- PCB thickness: 1.6mm
- Copper thickness: 1 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: None

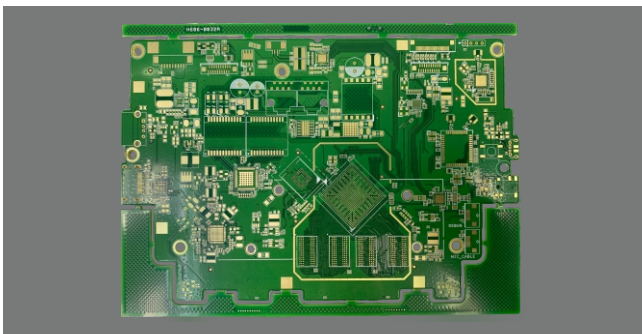
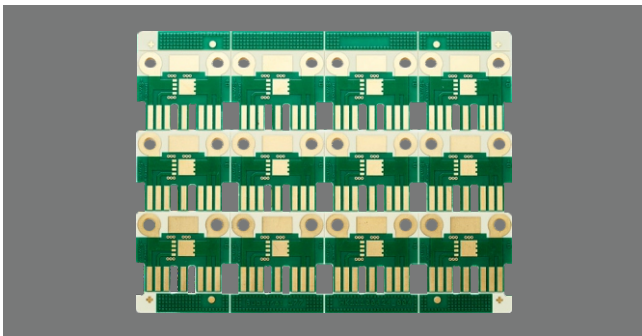
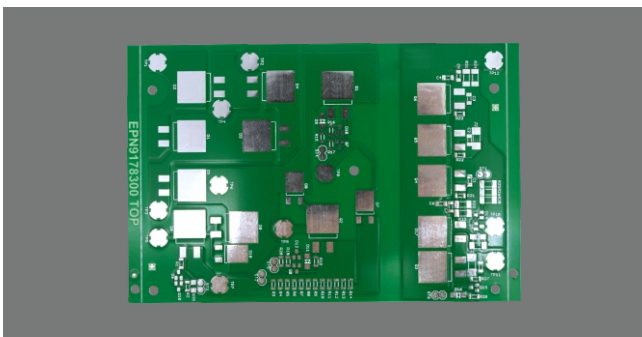
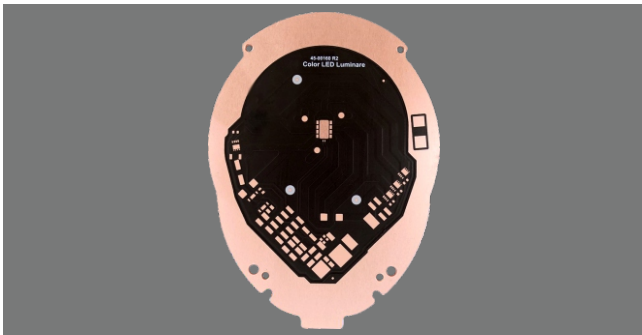


- PCB Type: Single Layer PCB
- Base material: Aluminum
- Layers: 1 Layer
- PCB thickness: 1.6mm
- Copper thickness: 1 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: Mat Black solder mask



Other Types PCB

Automobile, Power Adapter, Consumer Electronics



- PCB Type: Copper PCB
- Base material: Copper
- Layers: 1 Layer
- PCB thickness: 3.0mm
- Top and Bottom Copper thickness: 1 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: 5W/m.k thermal Conductivity



- PCB Type: Heavy Copper PCB
- Base material: Aluminum
- Layers: 1 Layer
- PCB thickness: 2.0mm
- Top and Bottom Copper thickness: 3 OZ
- Surface treatment: Lf-Hasl
- Application field: Power control
- Special process: 105um Copper



- PCB Type: High Frequency PCB
- Base material: Fr4 Rogers high frequency
- Layers: 4 Layers
- PCB thickness: 1.0mm
- Inner (outer) layer copper thickness: 0.5 OZ/1 OZ
- Surface treatment: ENIG
- Application field: Telecom Electronics
- Special process: Line width and space 3mil/3mil

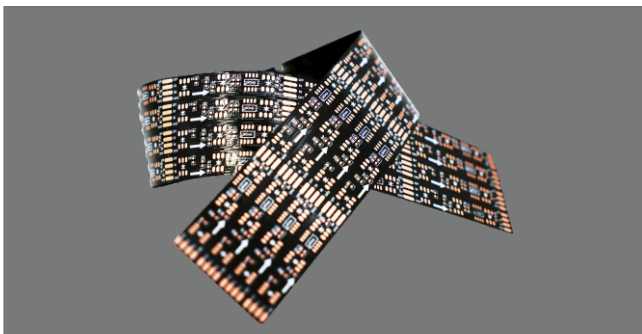
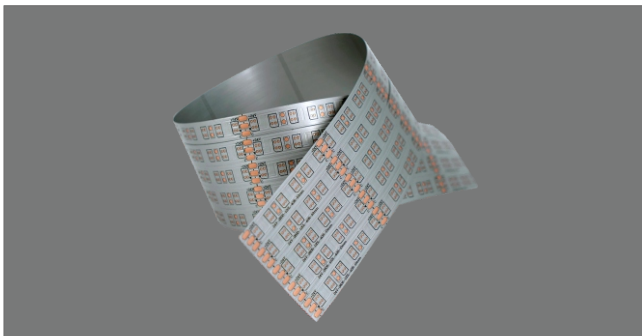
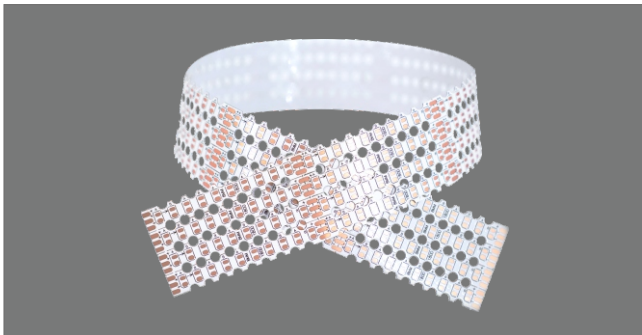


- PCB Type: High TG PCB
- Base material: FR4 TG 180 SY
- Layers: 8 Layers
- PCB thickness: 1.6mm
- Top and bottom layer copper thickness: 0.5 OZ/1 OZ
- Surface treatment: Immersion Gold
- Application field: Consumer Electronics
- Special process: None



Flexible PCB

LED Lighting, Back Light, Consumer Electronics



- PCB Type: Flexible PCB
- Base material: Polyamide
- Layers: 1 Layer
- PCB thickness: 0.2mm
- Copper thickness: 1 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: Shape customization



- PCB Type: Flexible PCB
- Base material: Polyamide
- Layers: 2 Layers
- PCB thickness: 0.32mm
- Copper thickness: TOP 1 OZ/Bottom 3 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: Red solder mask



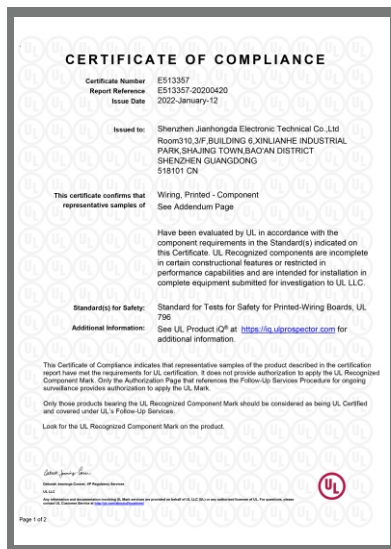
- PCB Type: Flexible PCB
- Base material: Polyamide
- Layers: 2 Layers
- PCB thickness: 0.3mm
- Copper thickness: TOP 2 OZ/Bottom 2 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: Silver solder mask



- PCB Type: Flexible pcb
- Base material: Polyamide
- Layers: 2 Layers
- PCB thickness: 0.32mm
- Copper thickness: TOP 1 OZ/Bottom 3 OZ
- Surface treatment: OSP
- Application field: LED Lighting
- Special process: Black solder mask



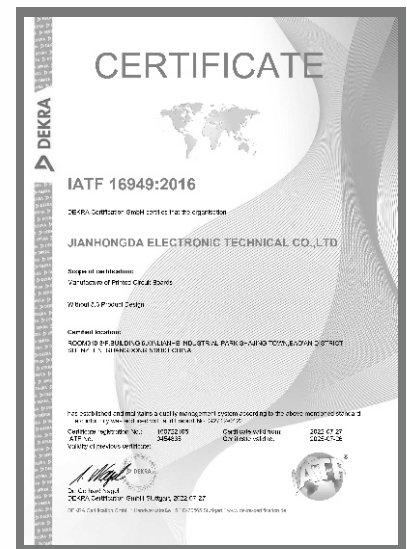
QUALIFICATION CERTIFICATE



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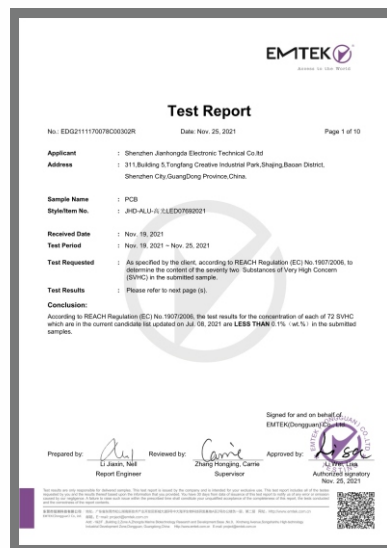
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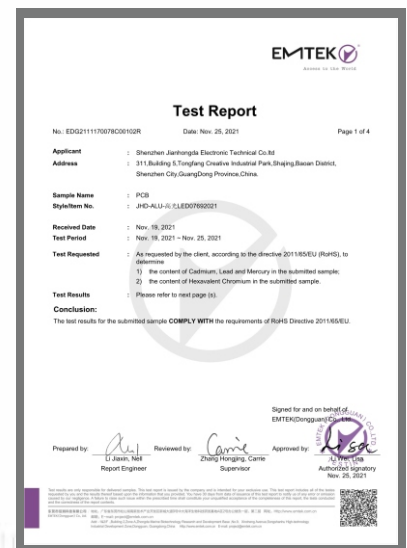
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ISO9001-2015



REACH REPORT



RoHS REPORT





TO BE CHINA'S TOP5 PCB MANUFACTURER





 +86 755 2753 9533

 +86 755 2753 3670

 sales@jhdpcb.com

 www.jhdpcb.com

 **SHENZHEN Factory:** Building 3, Yayuan Industrial Park, Shajing, Baoan, Shenzhen, Guangdong, China

 **Jiangxi Factory:** Building 10, Xinda Circuit Technology Park, Lvyuan Road, Xinfeng, Jiangxi, China

 **Sales&Logistics Center:** 301, Building 10, Houdequn Cultural and Creative Park, Shajing Street, Bao'an District, Shenzhen, China