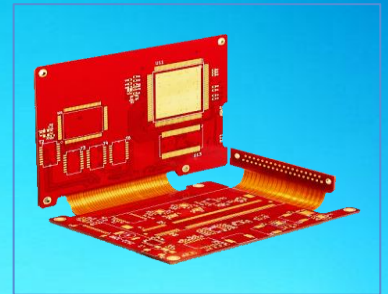
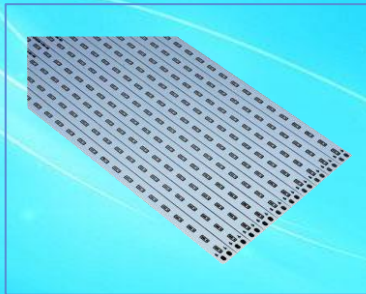




# GLOBALTECH PCB

*Professional PCB Manufacturing*



**Global Technologies Group, Co., Ltd**  
**Global Technologies Group, Inc. USA**

## ◆ Company Profile

Global Technologies Group (HK), Co. Ltd's PCB manufacturer was established in Dongguan in 1988. The facility size is about 250,000 sqft, and there are 3000 employees in the factory. We are specialized in the production of multi-layer PCB (printed circuit board), metal base PCB, high-frequency PCB, high-Tg heavy copper foil PCB, flat winding multilayer PCB, mixed dielectric PCB, buried & blind via/hole PCB, high-level HDI (high density inter-connector) PCB, FPC, and rigid-flexible PCB, with monthly production capacity of 1 million square feet. Our products are widely used in the high-tech electronic fields of computers, instrumentations, telecommunication, industrial control, transportation, medical, aerospace, automotive, home appliance, machine tools, camera module, smart battery, etc. The PCB products are exported to developed countries and regions such as Europe, the United States, Japan, Singapore, Hong Kong, etc. Our PCB factory has passed ISO9001, ISO14001, IATF16949 quality certifications, and unleaded product certifications like US standards UL, ROHS standards, the EU SGS.

Our PCB factory, adhering to its business philosophy "continuous improvement, innovation and comprehension, people-oriented, and make values", will strive to build itself a world-class PCB manufacturing base with a good living and productive environment for staff and customers.

In the past over 30 years, our PCB factory has been providing high quality PCB products for a lot of famous companies such as Sony, Nikon, Canon, Panasonic, LG, Siemens, HP, Energizer, Foxconn, Huawei, ZTE, TCL, Chigo, etc. We strive to provide our customers with the highest quality products and best services all the time.

# ◆ Production Base & Enterprise Qualification



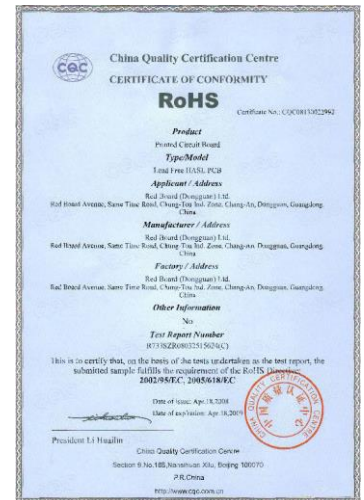
ISO 9001:2008



ISO/TS 16949: 2008



ISO 14001: 2004



RoHS

# ◆ Production Workshop & Equipment



Material Penalization Cutting



Inner Layer Pre-treatment



Inner Layer Imaging



AOI



Pre-treatment before Pressing



Carrier System in Lamination



Pressing



Target X-Ray



Mechanical Drilling



Laser Drilling



Electro-less Via-hole Plating



Panel Plating

# ◆ Production Workshop & Equipment



Vertical Continuous Pulse Plating



Panel-Trimming



D/F Pre-treatment



Dry Film Imaging



DES



Solder mask Silkscreen



Solder mask Pattern Imaging



Legend Print



ENIG



OSP



Punching



Routing

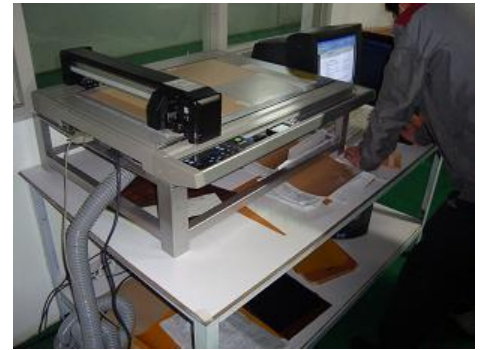
# ◆ Production Workshop & Equipment



E-TEST



FPC Scrubbing



Overlay Cutting



FPC Rapid Pressing



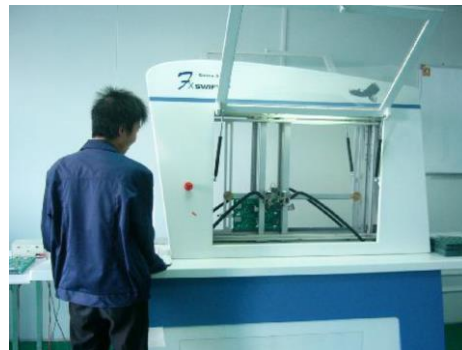
FPC Hole Punching



FPC Molding



Oven



Fly probe test



Lab

# ◆ Product Category & Applications



Besides regular PCBs, we also help customers do PCB customization per their special requirements.



Telecommunication



Industrial control



Science and education



Digital products



Transportation



Home appliances



Medical



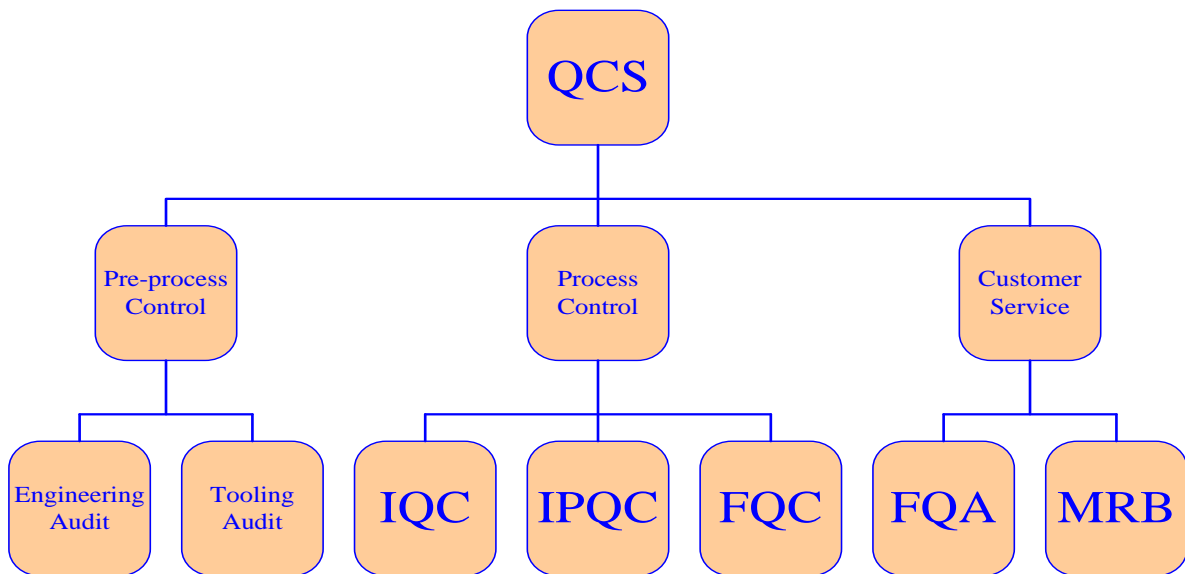
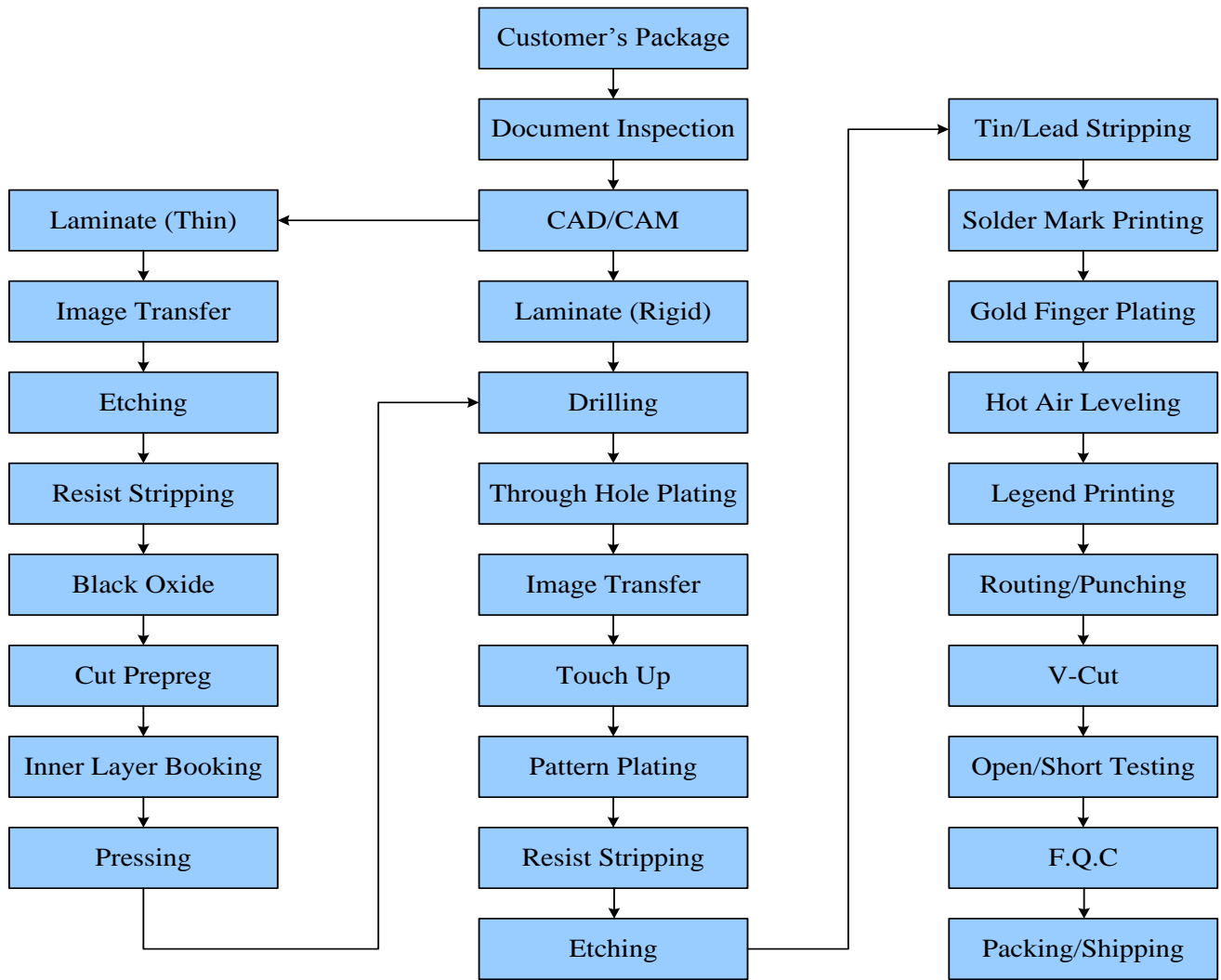
Aerospace

# ◆ Full Spectrum PCB Capabilities

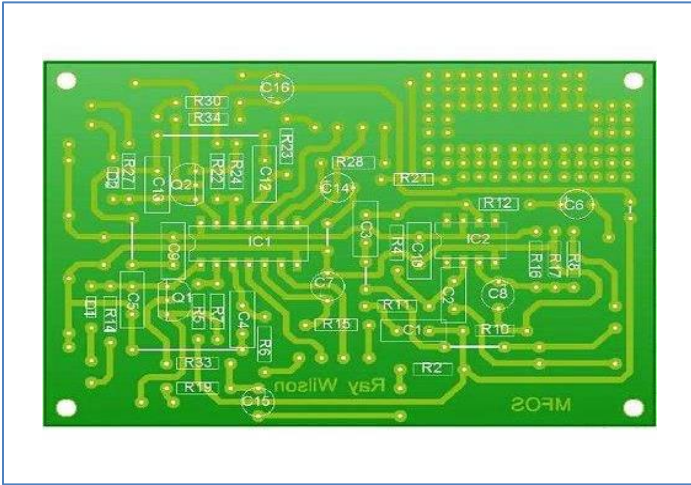
| Category                            | Description  | Capability                       |
|-------------------------------------|--|----------------------------------|
| <b>Board layer</b>                  | Minimum and Maximum layers   | 1 ~ 32 layers                    |
| <b>Board Size</b>                   | Maximum finished dimensions  | 610mm x 1100mm                   |
| <b>Board Thickness</b>              | Minimum and Maximum  | 0.2 ~ 8.0mm                      |
| <b>Copper</b>                       | Weight   | 0.5oz ~ 13oz                     |
| <b>Laminate Materials</b>           | FR4, Tg 130/170°C, Rogers, Halogen-free FR4, CEM1, CEM3, Polyimide, Taconic, Arlon, Bergquist Aluminum |                                  |
| <b>Drilling</b>                     | Minimum drilling size  | 0.15mm                           |
|                                     | Drill Deviation (True position size)   | 2mil (0.050mm)                   |
|                                     | PTH hole tolerance   | 3mil (0.075mm)                   |
|                                     | N-PTH hole tolerance   | 2mil (0.050mm)                   |
|                                     | Minimum hole wall thickness  | 20um                             |
|                                     | Angle of Countersink   | 80°, 90°, 100°, 120°             |
| <b>Etching</b>                      | Trace width tolerance  | ±10%                             |
|                                     | Minimum trace width / space  | 3mil / 3mil (0.075mm)            |
| <b>Board Profiling</b>              | Hole to board edge tolerance   | ±5mil (0.12mm)                   |
|                                     | Pattern to board edge tolerance  | ±5mil (0.12mm)                   |
|                                     | CNC Tolerance  | ±5mil (0.12mm)                   |
|                                     | Minimum thickness after V-Cut  | 12mil (0.3mm)                    |
|                                     | V-Cut tolerance  | ±5mil (0.12mm)                   |
|                                     | V-Cut Angle  | 20, 30, 45, 60                   |
|                                     | Semi-hole  | Yes                              |
| <b>Surface Finish</b>               | HASL, HASL PB free, immersion gold, immersion silver, O.S.P  |                                  |
| <b>Test</b>                         | Visual Inspection  | Yes                              |
|                                     | Flying probe test  | Yes                              |
|                                     | Bed of nails( E-test fixture) test   | Yes                              |
|                                     | Impedance control  | Yes                              |
|                                     | AOI (Automated Optical Inspection) test  | Yes                              |
|                                     | Automatic image measuring instrument test  | Yes                              |
|                                     | Micro-section Metallographic Analysis  | Yes                              |
|                                     | Chemical lab   | Yes                              |
|                                     | Metal plating thickness spectrum test  | Yes                              |
|                                     | Peel strength test   | Yes                              |
|                                     | Electric Strength test   | Yes                              |
|                                     | Thermal stress test  | Yes                              |
| <b>Standards and Certifications</b> | IPC  | IPC-A-600G Class II              |
|                                     | UL   | UL E347010                       |
|                                     | ISO  | ISO 9001, ISO 14001, ISO/TS16949 |



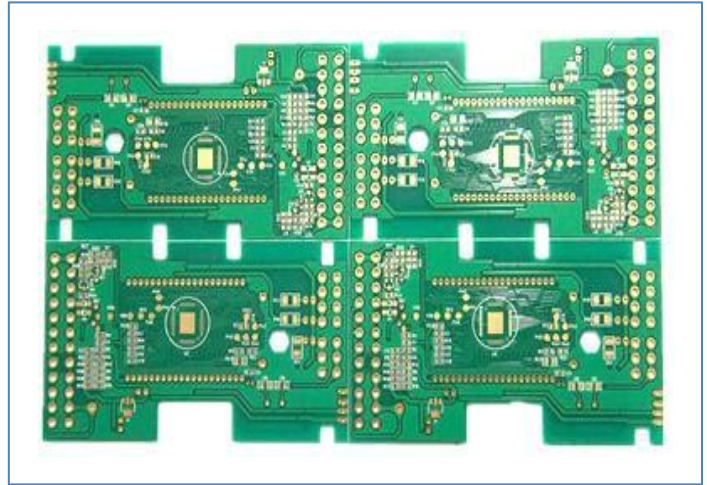
# ◆ Production Process & Quality Control



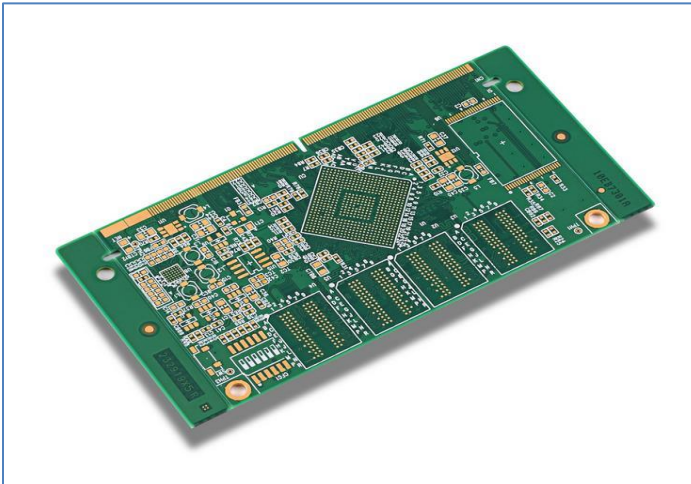
# ◆ Production Show



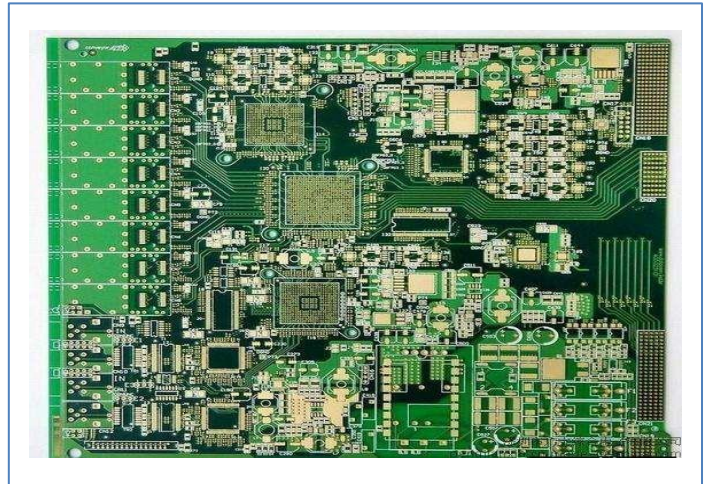
Single layer PCB



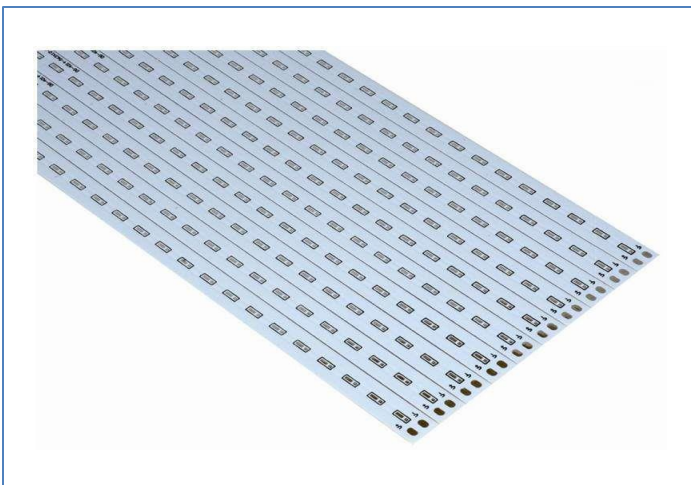
4-layer PCB



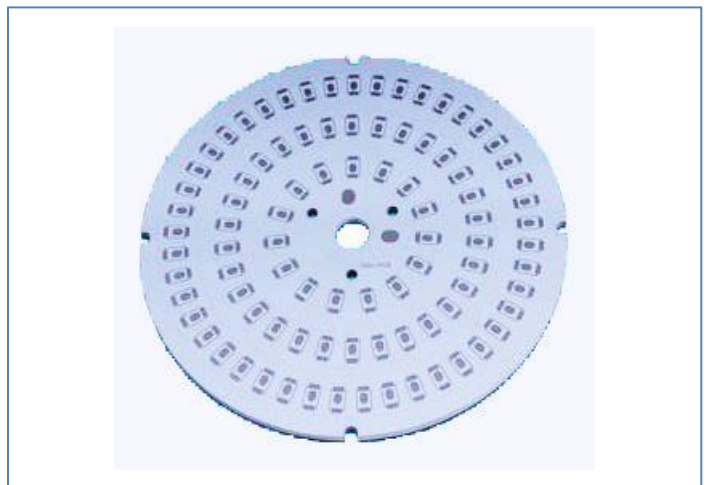
8-layer PCB



16-layer PCB

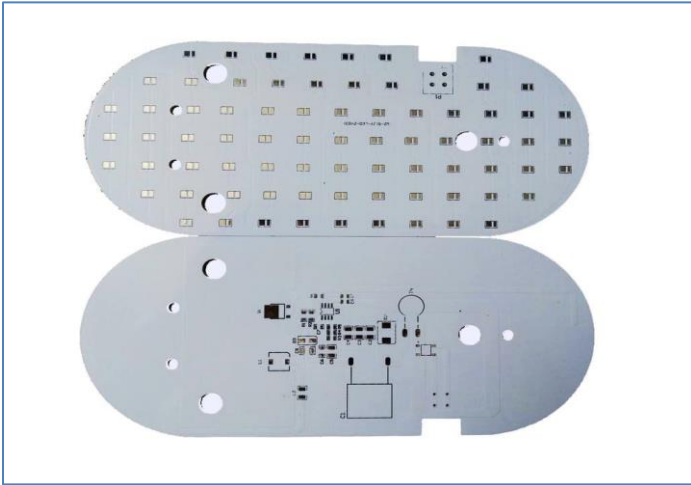


Metal base PCB

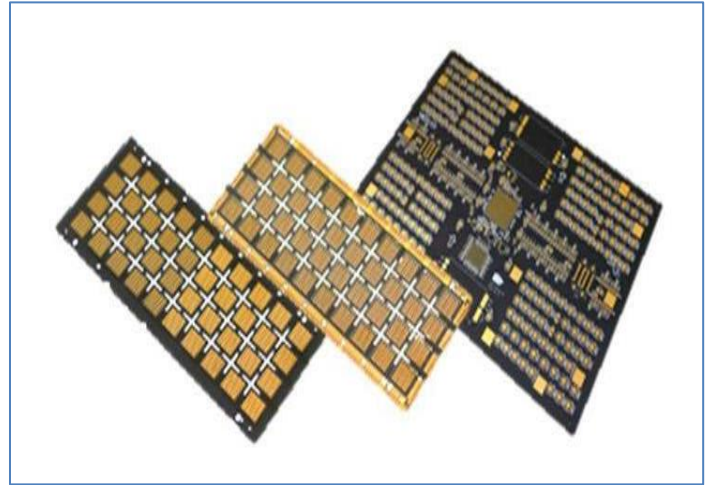


Metal base PCB

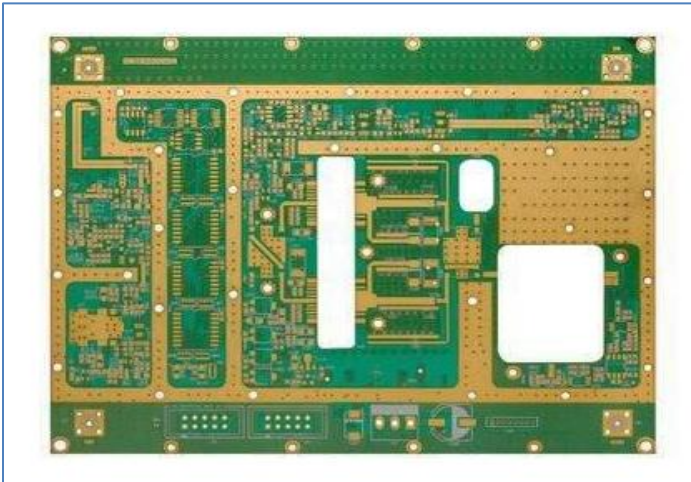
# ◆ Production Show



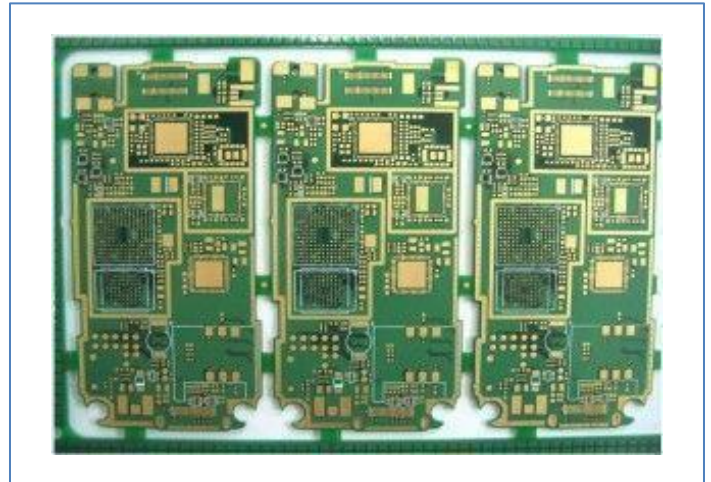
Metal base PCB



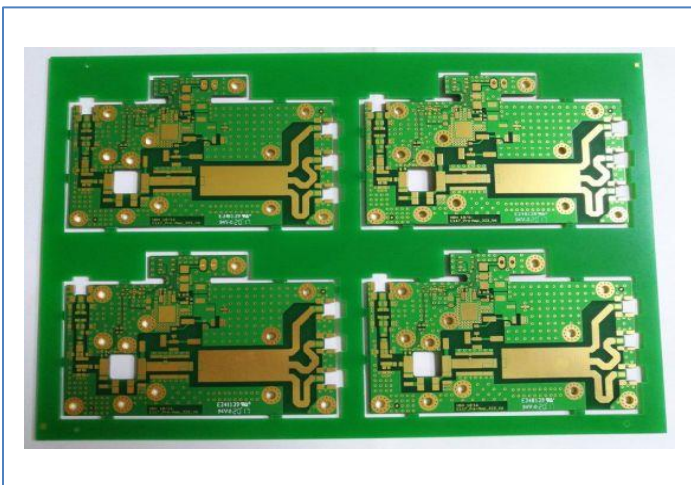
Metal base PCB



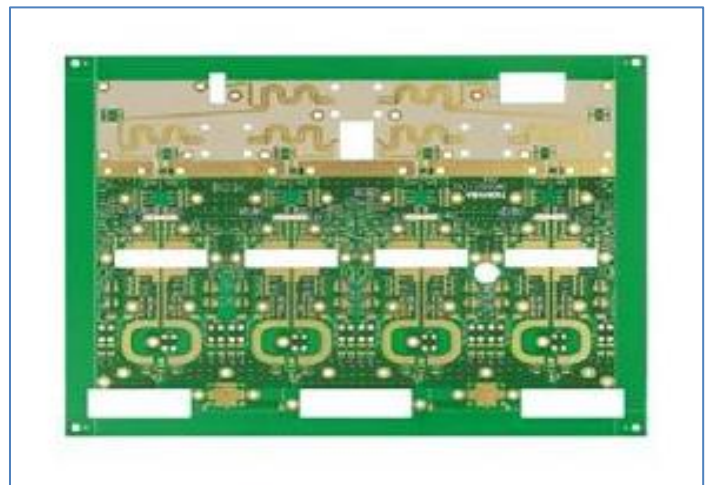
High Frequency PCB



High Frequency PCB

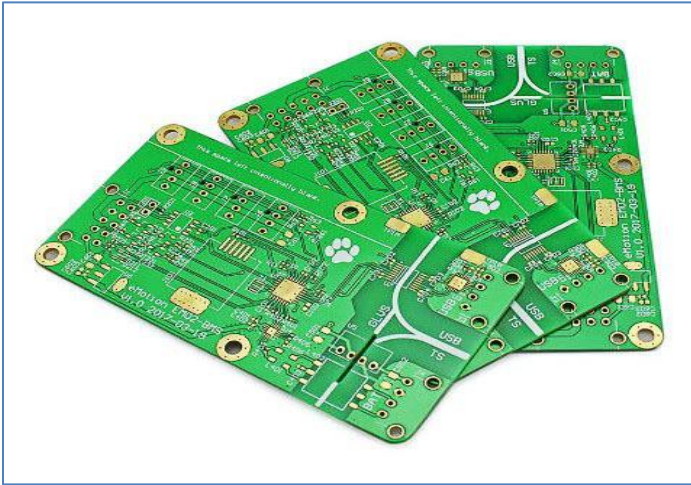


High Frequency PCB

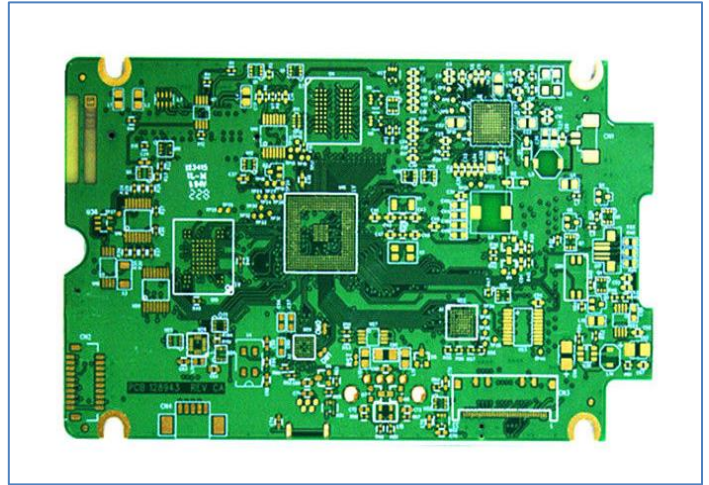


High Frequency PCB

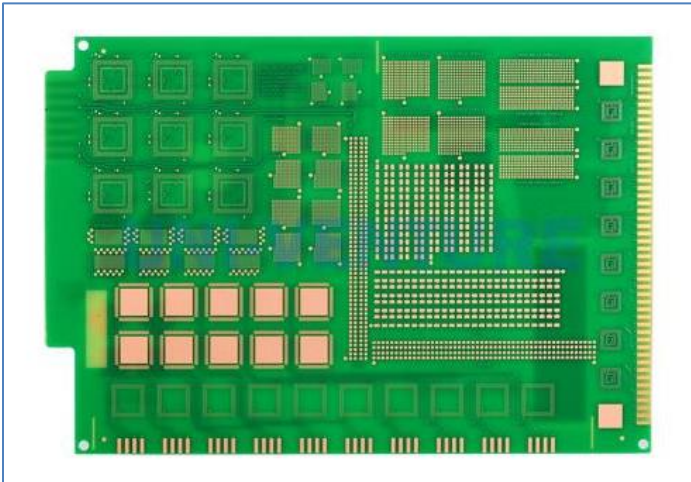
# ◆ Production Show



High-Tg heavy copper PCB



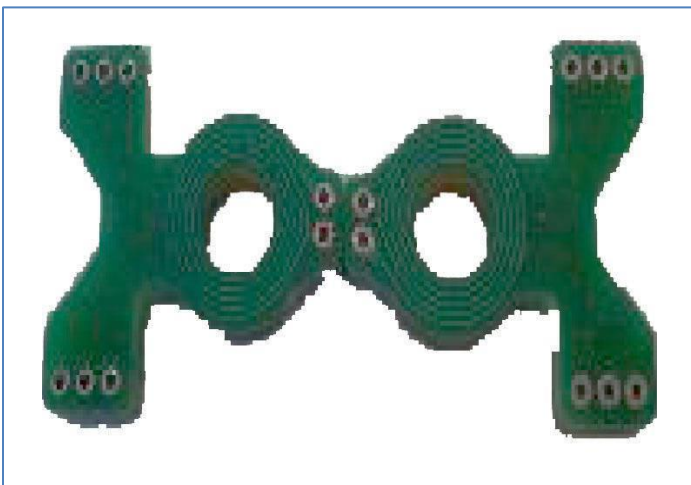
High-Tg heavy copper PCB



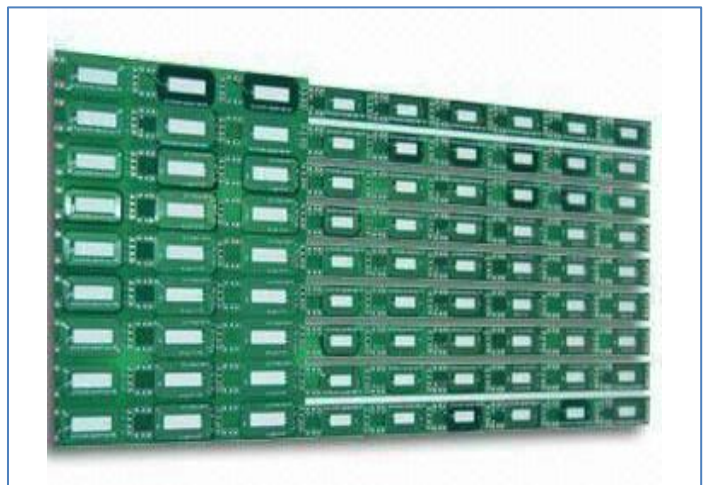
High-Tg heavy copper PCB



High-Tg heavy copper PCB

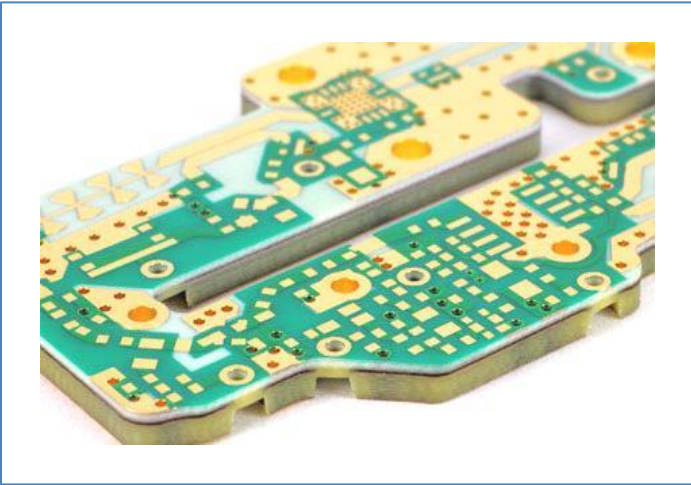


Flat winding multilayer PCB

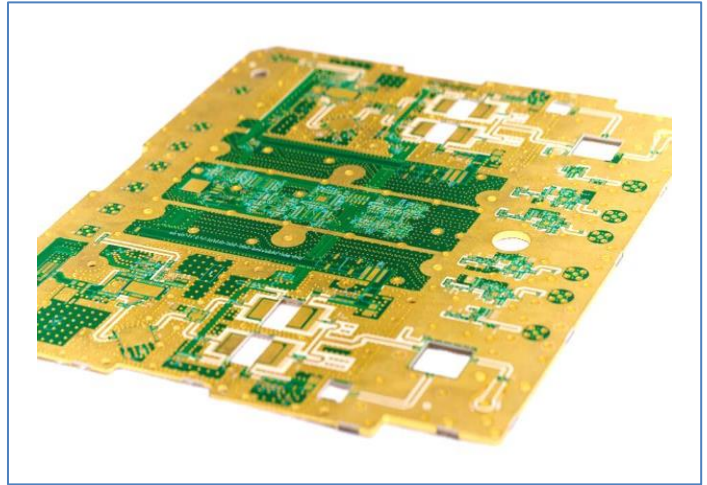


Flat winding multilayer PCB

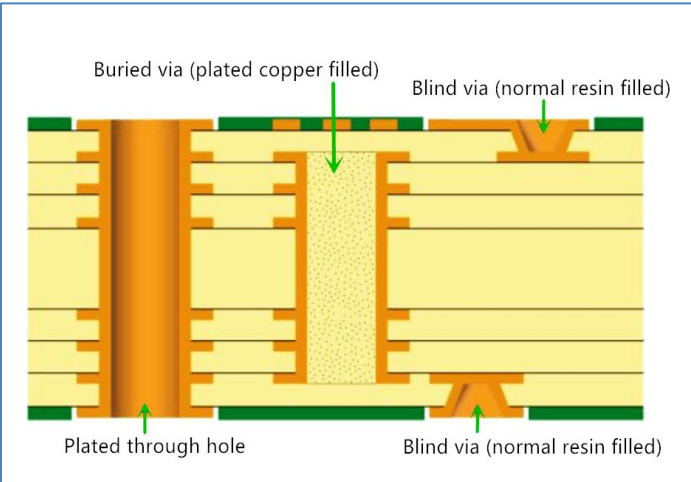
# ◆ Production Show



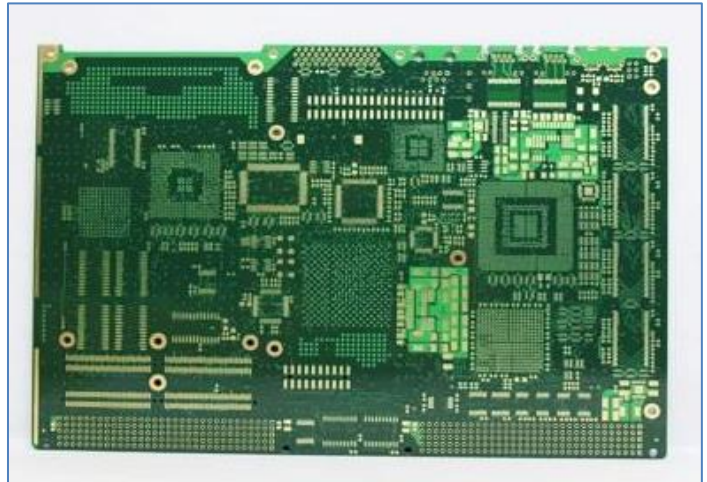
Mixed dielectric base PCB



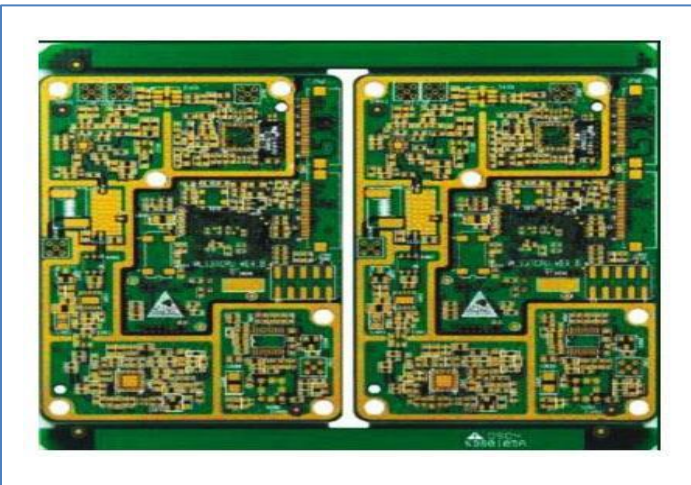
Mixed dielectric base PCB



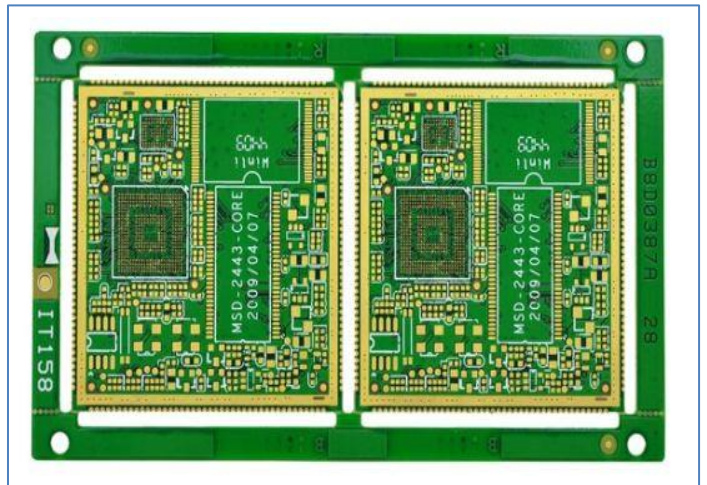
Buried & blind via



Buried & Blind via PCB



Buried & Blind via, HDI PCB

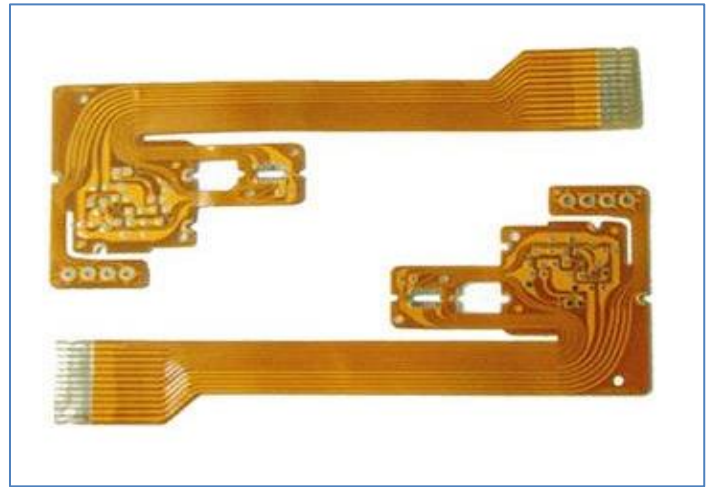


Buried & Blind via, HDI PCB

# ◆ Production Show



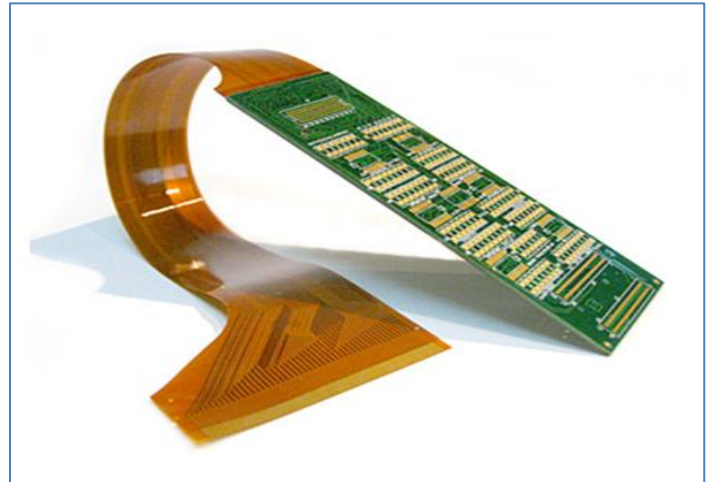
FPC PCB



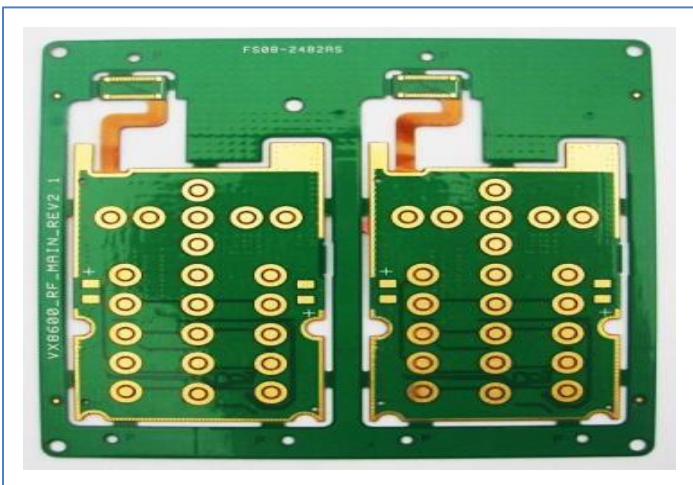
FPC PCB



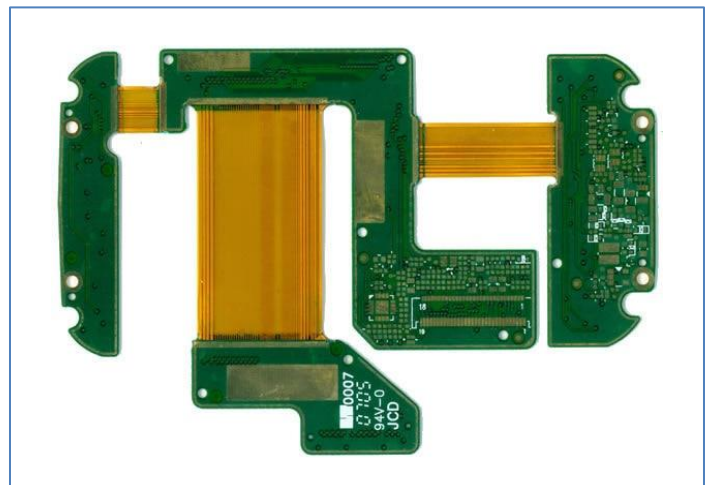
FPC PCB



Rigid flex PCB



Rigid flex PCB



Rigid flex PCB

## ◆ Major Customer



In the past over 30 years, we have been providing high quality PCB products for a lot of famous companies such as Sony, Nikon, Canon, Panasonic, LG, Siemens, HP, Energizer, Foxconn, Huawei, ZTE, TCL, Chigo, etc. We strive to provide our customers with the highest quality products and best services all the time.



**Global Technologies Group (HK), Co., Ltd**

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**Global Technologies Group, Inc.**

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Email: [sales@gtgco.com](mailto:sales@gtgco.com)