

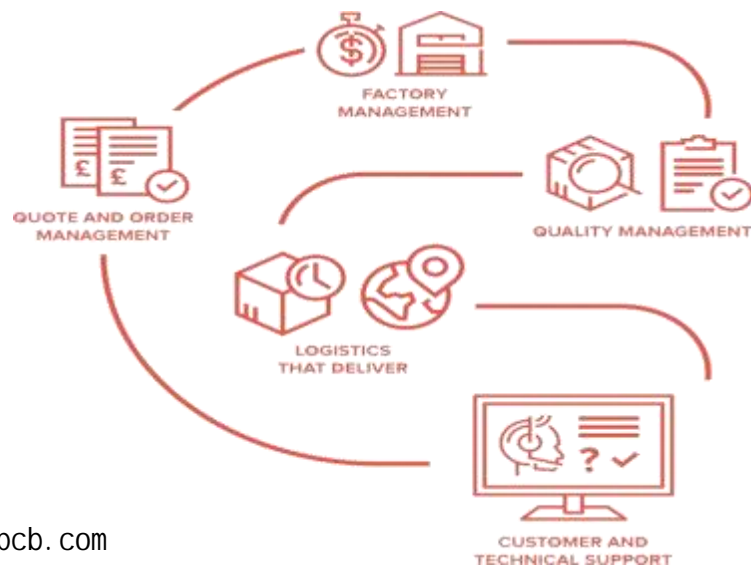


Shenzhen PCB ELECTRONICS LTD, founded in 2006, located in Shenzhen, China.

We always want to do as much as we can to you. That is why we position ourselves as one-stop servicer.

Like the picture below, we conduct a smart supply chain management, not only a manufacturer.

Originated from PCB production and assembly, we extend our network with many related industry like components and accessory.



Product & Service Overview

One-stop service:

- PCB engineering consulting and manufacturing
- High-speed SMT service
- Components sourcing service and alternative suggestions
- Programming and function test
- Quality inspection and test
- Box building and final assembly
- Packaging and shipment

Product & equipment:

- PCB: 1-40L PCB, 2-8L rigid-flex board and 3+N+3 HDI PCB.
- PCBA: 4 SMT lines with online AOI & 2 DIP lines and X-ray to test PCBA.
- Component: Preparing material in the warehouse all the time.
- Sourcing Service: Experienced purchasers to achieve mass production urgent orders.
- SMT factory: Class 100,000 dust-free workshop



We have passed ISO9001, ISO14001, ISO13485, IATF16949 , RoHS, UL and cUL to ensure our quality.

Welcome to our PCBA World



One-stop service in industry

Like this picture, we support you not only PCB&PCBA.

Considering that some partners want to avoid too many concerns about waiting for
We have gathered the complete supply chain to ensure final assembly, including injection molding, displays, wires and other components you need.



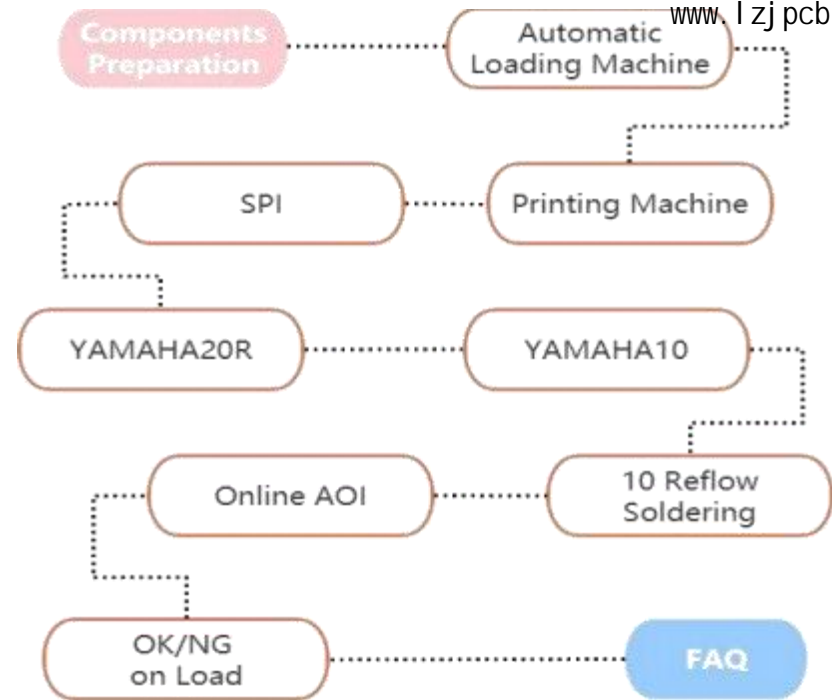
SMT Workshop

4 SMT lines

Class 100,000 dust-free workshop

Monthly production capacity: 120 million points

80 staff (6 engineers & 4 QC) 3000m²



Online AOI & X-ray



MENTO Online AOI

- ❖ Detection capability: CHIP: 0201 Pitch : 0.3mm
- ❖ FOV: 37.5*28.5mm
- ❖ Detection speed : 3300mm²/sec
- ❖ PCB thickness: 0.3-10mm (warpage≤5mm)
- ❖ The height of the component: 50-100mm
- ❖ Moving speed Max: 600mm/sec
- ❖ Positioning accuracy: ≤8μm

Shuttle Star X-ray

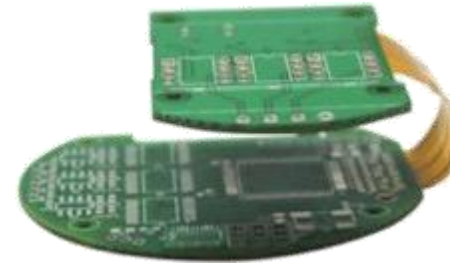
- ❖ It can detect samples less than 5μm
- ❖ Good image display effect
- ❖ High magnification geometry, system magnification
- ❖ Fast detection speed & high detection accuracy
- ❖ System laser positioning
- ❖ Four-axis linkage, CNC batch
- ❖ Automatic detection function



First-piece Tester & Laser Machine



First-piece Tester



Laser Machine



PCB board ready to SMT



According to our production arrangement, we will prepare the PCB boards and components well. During this process, our quality department will check the material to ensure the quality.



Components ready to paste

Solder Paste Storage & Stirring Machine



Solder paste storage refrigerator:
Temperature and humidity monitor.
Abnormal alarm.



Senju
Lead-free Solder Paste

- High reliability and good storage stability.
- Good solderability and almost no solder ball dispersion.
- Solves the problems of heat resistance caused by high melting point.

DIP Workshop



After SMT, other steps will be conducted in this factory until final assembly:

- Plug-in material
- Splitter machine
- Function test
- Box building
- Final assembly

2 DIP lines
Equipped with Wave Soldering Machine



RD 350 Lead-free Wave Soldering

Final Assembly

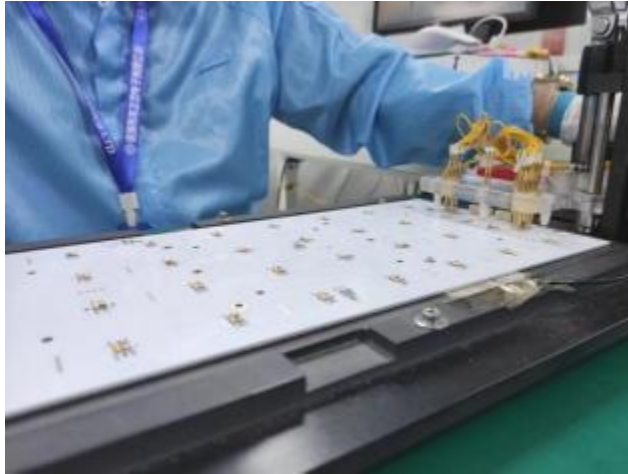


We own a complete supply chain from plastic mold, electric wire, packaging material to finished product shipment.

Box building



Test



Surface Inspection



Function Test

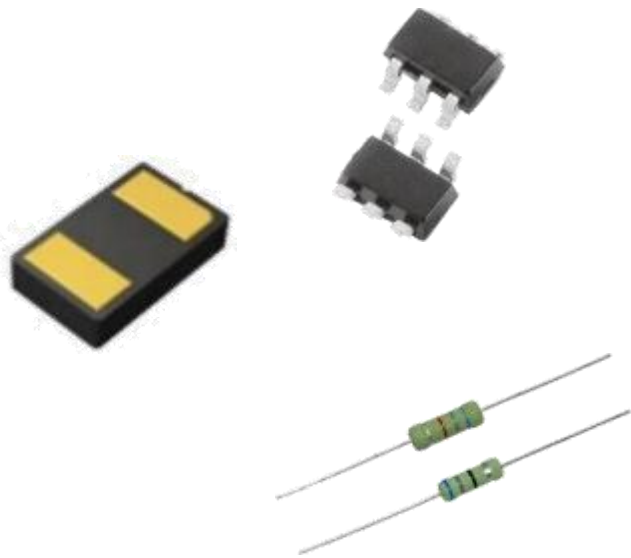


Test Fixtures

Warehouse

Certain temperature & humidity

Components & Test fixture



Electronics Components Warehouse

Some components need to be stored in the warehouse with certain temperature and humidity.

- Components ready for next production,
 - Components supplied by partners,
- Both of them will be kept here.



Components Sourcing Service

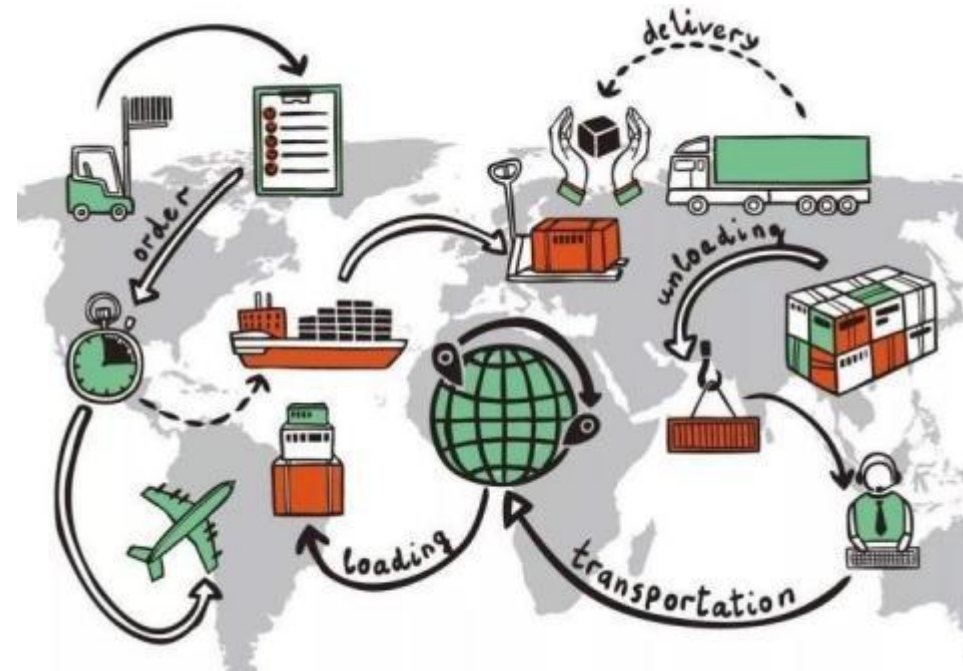
Contracted with
Avnet,
Ti,
and other hot brand original manufacturers.

As to the mass production, we will source from
original manufacturers for the originality.

Experienced purchasers to provide Full-BOM
management and alternative suggestion.

AVNET[®]

 **TEXAS INSTRUMENTS**



Packaging & Shipping

PCB packed by vacuum

PCBA in static bag

All products will be packed with bubble film, filled with pearl cotton in the box, and wrapped with tape outside.



- Traditional Shipping

- Air Transport

.....



Certifications

Shenzhen PCB ELECTRONICS LTD



IRI
ENVIRONMENT MANAGEMENT SYSTEM CERTIFICATE

Registration Number: 04821E40374E05

This is to certify that

Certified body Code: 04821E40374E0501010

SHENZHEN PCB ELECTRONICS LTD

Registered Address: 2/F, Building C, Suojia technology park, Nanwei community, Langsheng subdistrict, Bao'an District, Shenzhen City
Production/Service Address: 2/F, Building C, Suojia technology park, Nanwei community, Langsheng subdistrict, Bao'an District, Shenzhen City
has implemented an environment management system for compliance with the standard:

GB/T 24001-2016/ISO 14001:2015

The environment management system for the following scope:

Processing and assembly of circuit board and related management activities.

Valid date: 2021-09-29 — 2024-09-29
Issued date: 2021-09-29

Signed By: *胡华平*

IAF, CNAS, IRI, BEIJING TIRF CERTIFICATION CO., LTD.



IRI
QUALITY MANAGEMENT SYSTEM CERTIFICATE

Registration Number: 04821Q48761R09

This is to certify that

Certified body Code: 04821Q48761R0901010

SHENZHEN PCB ELECTRONICS LTD

Registered Address: 2/F, Building C, Suojia technology park, Nanwei community, Langsheng subdistrict, Bao'an District, Shenzhen City
Production/Service Address: 2/F, Building C, Suojia technology park, Nanwei community, Langsheng subdistrict, Bao'an District, Shenzhen City
has implemented a quality management system for compliance with the standard:

GB/T 19001-2016/ISO 9001:2015


The quality management system for the following scope:

Processing and assembly of circuit board and related management activities.

Valid date: 2021-09-29 — 2024-09-29
Issued date: 2021-09-29

Signed By: *胡华平*

IAF, CNAS, IRI, BEIJING TIRF CERTIFICATION CO., LTD.



IAFI
Medical devices-Quality Management System Certificate

Certificate NO.: 49222MD0001R05

This is to Certify That

ShenZhen PCB ELECTRONICS LTD

United Social Credit Code: 914403007904870198

Registered Address: Room 201, Building C, Suojia technology park, Nanwei Community, Hangcheng Road, Bao'an District, Shenzhen, China

Office Address: 2 Floor, Building C, Suojia technology park, Nanwei Community, Hangcheng Road, Bao'an District, Shenzhen, China

Business Address: 2 Floor, Building C, Suojia technology park, Nanwei Community, Hangcheng Road, Bao'an District, Shenzhen, China

Has been found to conform of Medical devices- Management System Standard YY/T 0287-2017/ISO 13485 : 2016

Certification scope

Manufacture and sale of circuit board assemblies for medical devices

Initial issued Date: Feb. 14, 2022
Date of Renewal: Feb. 14, 2022

Default Insurance: Feb. 14, 2022
Date of Expiry: Feb. 13, 2025

IAFI International Certification (Beijing) Co., Ltd.
Signature: *Jin Kuanlong*

The registration granted the certificate should at least once a year supervision and inspection within the period of validity of the certificate and should use the certificate and the approved manufacturer's name at the same time. Certificate holder after obtaining this certificate.

The certificate information can be queried on the website of certification and accreditation Administration of the People's Republic of China, www.cnca.gov.cn and the website of the membership.

IAFI International Certification (Beijing) Co., Ltd.
Address: Room 1-201-1, Building 11, Yuanxin 20, Jiachang 148 street, Beijing

As a proficient manufacturer in PCB&PCBA industry, we have passed ISO9001, ISO14001, ISO13485, IATF16949, Rohs, UL and cUL to ensure our quality.



SGS
Test Report No. 04821E40374E0501010 Date: 14 Apr 2022 Page 1 of 1

CONSLIANG CHECK INTERNATIONAL LIMITED
NO 4 BUALEI KANGKANG INDUSTRI PARK, BUALEI TOWNSHIP, SHENZHEN, CHINA

The following material substance submitted and identified on behalf of the client as: Printed Circuit Board

SVHC test No.: CP19410200 - 02
Date of Sample Received: 11 Apr 2022
Testing Period: 11 Apr 2022 - 18 Apr 2022
Test Requirements: Submitted SVHC list as requested by client.
Test Results: (Please refer to next page)
Conclusion: (Based on the performed tests on submitted samples), the results of Lead, Mercury, Cadmium, Hexavalent Chromium, Polychlorinated Biphenyls (PCBs), Polycyclic Aromatic Hydrocarbons (PAHs) and Phthalates comply with SVHC list of REACH regulation (EC/1831/2003) concerning REACH SVHC. (SVHC list under (SVHC) and Chemical substance (CAS#) comply with the table set by REACH Regulation (EC/1831/2003) annexes Annex 0 to 10 Annex 001-1988612

Signed for and on behalf of: SGS-CSTC Standards Technical Services Co., Ltd. (Shenzhen Branch)

SVHC Agreement Signature: *Zipeng*



SGS
Test Report No. 04821Q48761R0901010 Date: 18 Apr 2022 Page 1 of 1

CONSLIANG CHECK INTERNATIONAL LIMITED
NO 4 BUALEI KANGKANG INDUSTRI PARK, BUALEI TOWNSHIP, SHENZHEN, CHINA

The following sample of material submitted and identified on behalf of the client as: Printed Circuit Board

SVHC test No.: CP19410200 - 02
Date of Sample Received: 11 Apr 2022
Testing Period: 11 Apr 2022 - 18 Apr 2022
Test Requirements: As requested by client, SVHC screening is performed according to: (1) One hundred and ninety (190) substances in the Candidate List of Substances of Very High Concern (SVHC) as the authorization substance by European Chemicals Agency (ECHA) on and before Jan. 18, 2019 (Registration, REACH SVHC list 001-01000) concerning REACH SVHC. (2) Annexes 0 to 10 (Substances of Very High Concern (SVHC) identified by substances of the Union, July 1, 2019).
Test Results: (Please refer to next page)

Conclusion: According to the specified SVHC list and restriction concerning the test results of SVHC, an "X" is not noted on the submitted sample.

Signed for and on behalf of: SGS-CSTC Standards Technical Services Co., Ltd. (Shenzhen Branch)

SVHC Agreement Signature: *Zipeng*

Case No.	Sub	Lead	SV	Ann	Restr	Reg	RoHS
1	400	0.000	0.00	0.00	0.00	0.00	0.00
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Major Partners

