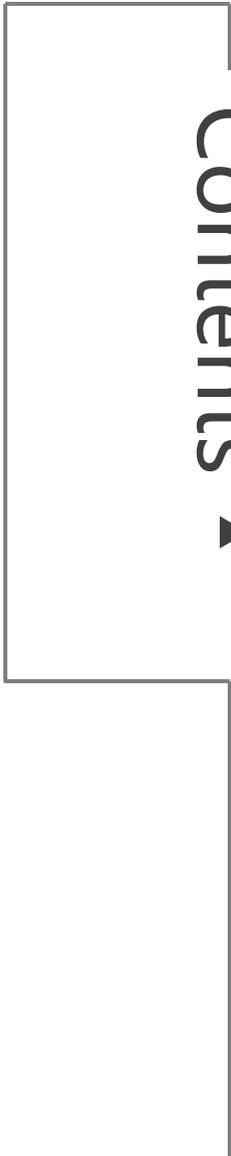




With the tenet of "quality-oriented and service-oriented", our company not only provides customers with one-stop service from the concept to PCB production, material procurement and production, but also provides complete and reliable solutions as well as high-quality electronic manufacturing services (EMS).

ZITROK ELECTRONICS CO., LIMITED

Address: Bantian Group Commercial Center building, Dafapu Rd, Bantian, Longgang district, Shenzhen 518125, China



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1. Company Introduction
2. Our Service
3. Quality Control: Carefully handle each process from the plan to finished product
4. Equipments in the factory : Comprehensive production and inspection equipments
5. Technology Cases: Successful cases speak for themselves
6. Industrial and Customers Distribution



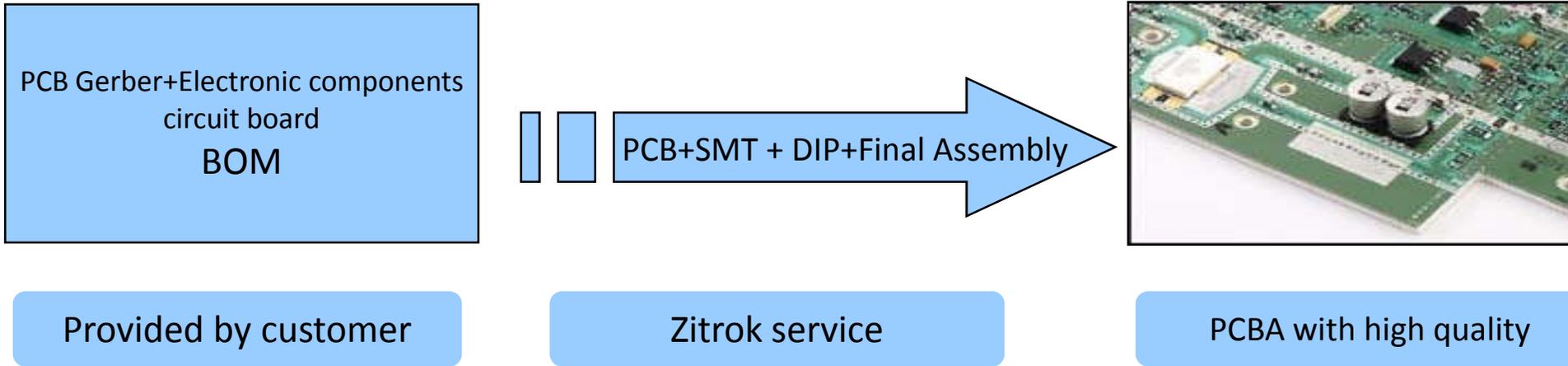
ZITROK ELECTRONICS CO., LIMITED

Established in 2009, ZITROK ELECTRONICS CO., LIMITED is a professional company focusing on PCB & PCBA manufacture services.

We provide one-stop manufacture services of PCB & PCBA, including PCB production, material purchasing, SMT/PCBA, assembly test, etc.

We also provide complete and correct FAI test report, including the measurement of each material at each position, abnormal material report and accurate judgment of design plan.

Our Service



- Four JUKI high-speed SMT production lines
- High-density QFP, BGA and 01005 micro CHIP with 0.3Pitch can be mounted
- Small-sized production with industrial control and other high requirements can be undertaken
- DIP, test, assembly and maintenance

Over 20 years' experience in operation and management of SMT assembly plant

PCB process capability

We have a fully automatic plating and counterpart screen printing production line to provide high-speed and high-quality PCB products to customers. In order to ensure the reliability of PCB, 10 sets of flying probe testers, 4 sets of test stand testers and high-accuracy FQC equipments are introduced.

Material	Dimension	500mm*800mm(2layer),400mm*550mm(multi-layer)
	Thickness	0.2mm-6.0mm
	Layer	1-24layer
Technology	Cooper	Outer Layer 35um-420um, Inner Layer 17um-420um
	Trace	Minimum Trace Width/Space 0.075mm
	Hole	Minimum Hole Position Tolerance ± 0.075 mm
Surface Finish	HASL, HASL Lead Free, OSP, ENIG, Immersion Tin, Immersion Silver and so on	
Impedance Control Tolerance	$\pm 10\%$	
Test	Open-Short Test, Solder Ability Test, Thermal Shock Test, Impedance Control Test	

PCBA process capability

We have four fully automatic JUKI SMT production lines , which can mount minimum component (chips0201 , 0.35Pitch between QFP BGA) for customers. In order to ensure the reliability of SMT, we have introduced 10 temperature zone reflow soldering, X-RAY tester, AOI tester, steel mesh ultrasonic cleaning machine and other equipments. Combined with several years experiences on production, we have independently developed the industry's leading FAI inspection system.

Specification of component to be mounted	Min. accuracy	0201
	Max. height	20mm
	Min. space	BGA 0.35 Pitch IC 0.3 Pitch
Board specification	Max. dimension	450 × 730mm
	Thickness	0.3~6mm
	Category	rigid board, flexible board, rigid-flexible board
Solder type		Lead-free, lead
Mounting technology		POP
Test capability		Online solder paste inspection equipment (SPI) , automatic optical detection equipment (AOI) , X-ray test, ICT test, flying probe test, aging test, thermo cycling, ultrasonic scanning, etc.

Quality system



ONLINE CERTIFICATIONS DIRECTORY

ZPMV2.E362634
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](#)

ZITROK ELECTRONICS CO LTD
ROOM1210 WAYSON COMM BLDG
28 CONNAUGHT RD W SHEUNG WAN
HONG KONG

E362634

Type	Cond Width		SS/ DS/	Max		Oper	Meets	C			
	Min	Edge		Area	Solder						
	mm(in)	mm(in)	Thk	Diam	Limits	Temp	Flame	UL796			
			DS/	mm(in)	C	sec	C	Class			
Multilayer printed wiring boards.											
Z2	0.20 (0.008)	0.60 (0.024)	17 (0.67) Int:14	D5	13.0 (0.5)	260	3	130	V-0	All	4
Single layer printed wiring boards.											
Z1	0.20 (0.008)	0.60 (0.024)	17 (0.67)	D5	13.0 (0.5)	260	3	130	V-0	All	4

Marking: Company name or file number and type designation. May be followed by a suffix to denote factory identification or burning test classification.

Last Updated on 2013-05-16

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ISO9001

UL

Quality control measures

- Continuous training
- Internal quality assessment
- Follow quality management system strictly

Quality awareness

Tracking

Everything in order and in production can be tracked well in our ERP&WIP System

- BOM Checking
- Conduct strict pre-work training

Prevent in advance

Control in process

- AOI
- QC after every process

Quality control measures

① Material control, traceability and identification.

The types, numbers and requirements of materials and parts needed in the production process should be stipulated to ensure the quality of process materials and maintain the applicability and fitness of products in the process. Materials in the process should be identified to ensure the traceability of identification and verification status.

② Equipment control and maintenance

Appropriate provisions shall be made for equipment tools and measuring instruments that affect the quality characteristics of products. It is necessary to verify the accuracy before use, reasonably store and protect them between applications, conduct regular verification and calibration, formulate a preventive maintenance plan for equipment and ensure the accuracy and production ability of equipment to ensure the continuous process capability.

③ Critical production process control management

Focus on the control of immeasurable product characteristics, special skills required for equipment maintenance and operation, and special processes; improve and correct the deficiencies in the process in time, monitor, control and verify the process parameters with suitable frequency during the production to grasp whether all the equipments and operators meet the quality requirement of product.

④ Document control

Make sure the process planning requirements are met, and all the documents used related to the process are effective.

⑤ Process change control

Ensure the correctness of the process changes and their implementation, clearly define the change of responsibilities and permissions, evaluate the product after the change, and verify the expected effect of the change.

⑥ Verification status control

Use appropriate methods to identify the verification status of the process, distinguish the unverified, qualified or unqualified products by identification, and identify the responsibility for verification.

⑦ Non-conforming products control

Develop and implement non-conforming product control procedures, find non-conforming products in time, clearly identify non-conforming products and store them independently, decide the method to deal with non-conforming products and supervise the implementation, prevent customers from receiving non-conforming products and unintended use of non-conforming products, in order to avoid unnecessary costs for further processing of non-conforming products.

Factory Overview

Factory Equipments



SMT production line



SMT production line



Wave soldering



AOI inspection machine



JUKI 2050



JUKI 1080

Factory Overview

Factory Equipments



X-RAY



Automatic
printing machine



FAI inspection



Electronic material
warehouse

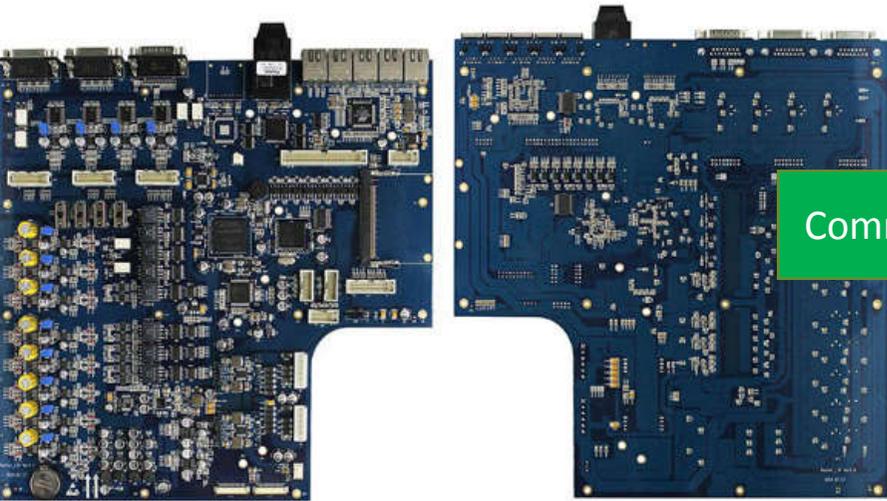


DIP workshop



Finished products
warehouse

Technology cases



Communication

8 layers of High TG through-hole plate -router

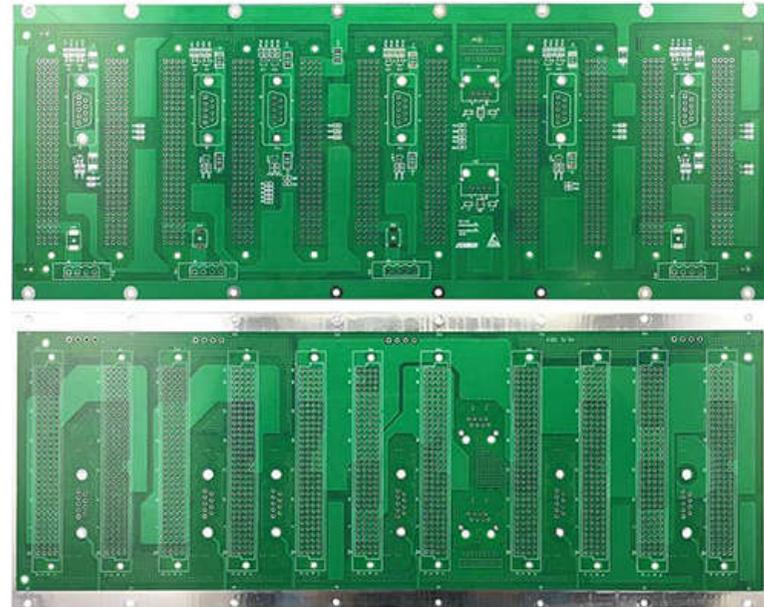
Type of board : FR4 TG 170
Min. Line width : 4.00 mil
Min. Line Space : 5.00 mil
Min. hole diameter : 0.25 mm
Min. space from the hole to lines: 8.5 mil
Number of holes for single board: 5939
Hole density : 200574.13 pcs/m²
Thickness diameter ratio : 8
Impedance control tolerance : 10%
Warpage : 0.75%
Acceptance criteria or specifications : IPC-6012-II

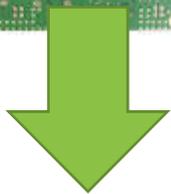
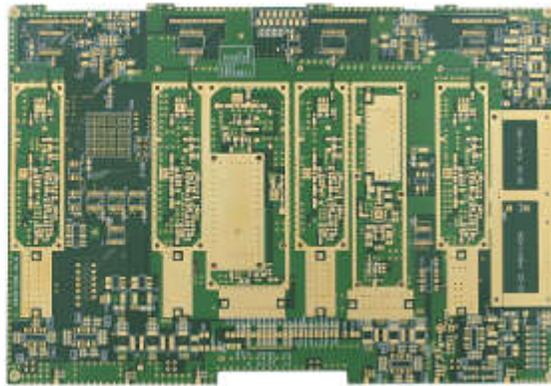
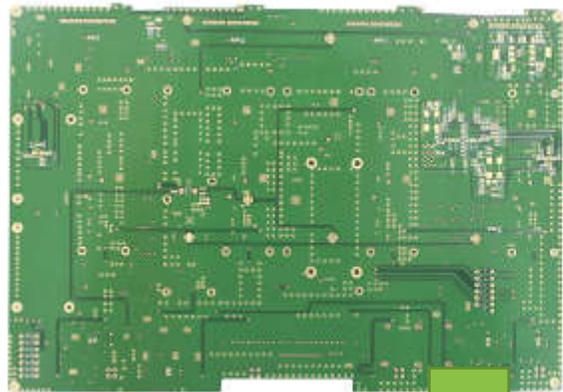
Category of component : 121
Quantity of component : 275
Min. component : 0201
Min. BGA space : 0.4pitch
Technology : Lead-free

8 layers of PCB-smart transportation

Board name : FS400053AAAB
Board material: ISOLA FR-370HR
Board thickness: 2.7mm
Number of layers:8
Size of single board: 336.05X 128.55mm
Surface treatment technology: Immersion Tin
Copper thickness : 1OZ
Wire depth/distance : 4.1/5mil
Hole diameter: 0.25mm

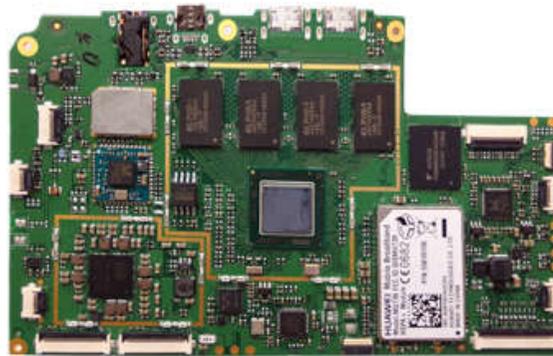
Smart transportation





8 layers of High TG board- Internet of things

Board material: High TG FR4
 Board thickness: 1.6mm
 Number of layers: 6 layers
 Size of single board: 112X187.75mm
 Surface Finish: Immersion Gold
 Copper thickness : 2OZ
 Wire width/space : 8/7.5mil
 Hole diameter : 0.25mm
 Impedance control tolerance: 10%



Consumer type- Tablet computers

Board material: High TG FR4
 Board thickness: 1.6mm
 Number of layers: 8 layers
 Size of single board: 212X147.75mm
 Surface Finish: Immersion Gold
 Copper thickness : 1OZ
 Wire width/distance : 5/5.8mil
 Hole diameter : 0.25mm
 Impedance control tolerance: :10%

Component type : 135
 Qty of component : 275
 Min. component : 0201
 Min. BGA space : 0.4pitch
 Technology : Lead-free

Service Area

Customer
Distribution

Computer server



Industrial control



Communication



Security monitoring

Consumer electronics

Customer List



Thank you for your visiting!

- ZITROK – **One Stop PCB&PCBA**
manufacturing expert!
- Tel: 86 755 2753 0105
 - info@zitrok.com
 - **Contact us NOW!**