KNOWNPCB

Shenzhen KnownPCB Technology Co.,Ltd

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Shenzhen Factory :
Building 28,Zhong Wu Industrial Zone,Xixiang Town,Bao'an Dist.,Shenzhen City,Guangdong Province,518101,China.

Sichuan Factory :
Shigao Industrial Zone,Tianfu new Dist., Chengdu City,Sichuan Province,62900,China.

Jiangxi Factory :
FCF Industrial Zone,Chengbei Road,Xinfeng County,Ganzhou City,Jiangxi Province,341600,China

About KnownPCB

Founded in 2008 by KNOWNPCB in HongKong,Shenzhen KNOWNPCB Technology Co., Ltd. has two factories after more than 10 years of development.The prototype factory is located in Fuyong,Shenzhen,focusing on fast deliveries,high-mix protype and small volume for 2-38 layers boards;the batch factory is located in Chengdu,Sichuan,focusing on the middle to mass production of 2-12 layers boards.In order to meet the one-stop PCB+PCBA demand of customers,KNOWNPCB have set up 5 fully automatic SMT production lines in 2018. At present,the company has a total investment of RMB 120 million,a total workforce of more than 600 employees.Our plant area is more than 30000sqm,our production capacity is 3000 jobs/month,and 50000sqm/month.KNOWNPCB have obtained ISO9001,IATF16949 and UL certification.Our products have passed ROHS and REACH compliance.

Quality is the lifeblood of the company. A full set of the latest production equipment, testing equipment and clean workshop from abroad have been introduced to KnownPCB to improve the updating technical and outstanding quality requirement. We always use the first class raw materials and comprehensive quality management systems to acheive the reliable products.At the same time, through the unremitting efforts of our R&D team, we have successfully developed a variety of leading production technologies such as high multi-layer precision circuit boards, blind buried hole boards, thick copper and gold boards, mixed laminates, rigid-flexible boards, metal substrates and 5G high frequency boards. Our products are widely used in communication equipment, industrial control, electrical energy, medical equipment, automotive electronics, intelligent security, consumer electronics, aerospace and other fields.

With the corporate values of "persistence, integrity, win-win, innovation and contribution", KnownPCB has established a perfect quality management and talent training system. With the development strategy of leading technology and excellent service, KnownPCB has established long-term and stable strategic cooperation relationships with more than 4,000 famous enterprises worldwide.





钻孔车间



VCP 线



ORC 曝光机

Company Strength

600+
a total workforce of more than 600 employees

30000m²
Our plant area is more than 30000sqm

50000m²
Our production capacity is 3000 jobs/month,and 50000sqm/month

公司通过

ISO9001 / TS16949
Management system certification

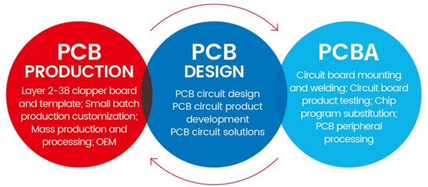
ISO14001
Environmental management system certification

UL / SGS
UL、SGS attestation

4000+
Long-term cooperation with over 4000 enterprises worldwide

Main Business

KnownPCB provides PCB and PCBA one-stop service. The PCBA plant has covering an area of 3000 square meters. It focuses on PCBA prototype and batch manufacturing in non-consumer electronics including security, communication base stations, industrial control, automotive electronics, medical, military and other industries.



Honorable Customers

General Electric · mindray healthcare within reach · ERICSSON · BYD
Silicom Connectivity Solutions · FOXLINK · SAMSUNG · ABB
Mango DSP Intelligent Video Servers · SANYO · SELCOM GROUP · SANMINA

* 仅展示部分客户，排名不分先后，更多客户资料请登录 KnownPCB 官方网站 www.knownpcb.com

www.knownpcb.com

KNOWNPCB

KNOWN PCB WORLDWIDE PCB SOLUTION

Exceed your Expectation

Shenzhen KnownPCB Technology Co.,Ltd

Product Display



Thick copper board

2 layers; FR4,TG170,8oz finishing copper;
black soldmask,yellow silkscreen;
Min. track width/space:20mils/20mils;
immersion gold.



Rigid-flexible PCB

4 layers; Material:FR4+PI RA Cu
FR4, 28mils,L1/L4 with 2oz Cu;
PI,2mils Kapton,L2/3 with 1oz Cu;
Immersion gold(1-3U")



6 layers with 2 steps HDI

Total thickness:1.6mm
Min.track width/space(mil):3/3mils;
Min. Buried via:0.15mm
immersion gold(10-15U") on the whole body;
Blind buried pcb:l1-3,l3-4,l4-6,l1-6;
Impedance test required.



3L Flex Board

Layer count: 3 layers;
Material:Polyimide;
Total thickness:0.15mm;
Copper thickness:1oz;
Special technics:Cut out area on the fingers on the left side shown



Multilayers with via buried in PAD

18 Layers with via buried in PAD
board thickness:2.4mm
FR4,TG180,via buried in PAD
Min.finishing hole diameter:0.2mm;
BGA to track:3mils,track to track:3 mils
9.4 mils for holes to tracks on outer layers;



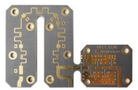
Gold Finger Board

8 layers;
Total thickness:1.6mm
Material:FR4 TG170
Surface treatment:Immersion gold+hard gold fingers(30U")



Backplane for power supply

20 Layers;
Board thickness:3.4mm
FR4,TG180,
Min.finishing hole diameter:0.25mm;
Countersunk holes;
Aspect ratio:13.6:1



High frequency with mixed material

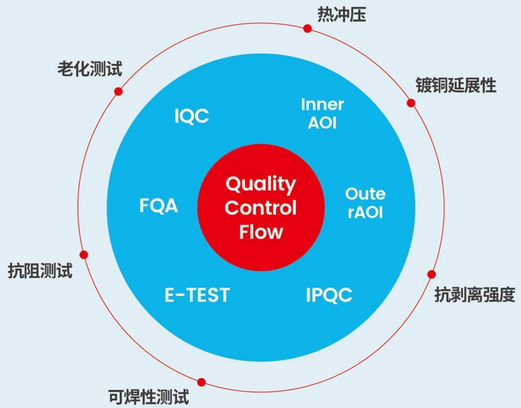
4 layers;
Total thickness:1.6mm
Material:FR4 TG170 and Rogers 4003c;
FR4 0.8mm,Rogers 0.6mm;
Prepreg:Rogers4450
single-end impedance:50 ohm+/-8%

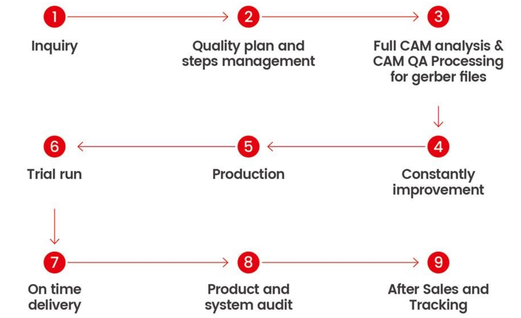
PCB Capabilites

Item		Parameter		Special instruction
Material		FR4 from Shengyi (S1141,S1000-2),King Board (KB-6165/6160),Special material: Rogers 4350/4003,Teflon,Taconic, Aluminium base,Polyimide,etc.		
Board thickness (mm)	2 layer	0.2mm-3.20mm		
	multilayers	0.4mm-3.40mm		
Max. board size (mm)	2 layer	610mm*510mm		
	multilayers	600mm*500mm		
Min. Mechanical hole (mm)		150um		0.15mm means finishing hole
Min. Laser hole (mm)		100um		0.075mm for small volume
Min. track width/space(mil)		3/3mils		
Min.Annular Ring		via: 0.1mm		
		PTH: 0.125mm		
Distance between copper to board outline(mm)		CNC: 0.25mm		
		V-CUT: 0.35mm (ref.board thickness 1.6mm)		
Max.board layers		28 layers		18 layers for mass production
Soldmask	Soldmask opening	0.05mm		0.05mm means partial edge of soldmask opening
	Soldmask dam	0.075mm		
	Color	Green, blue, yellow, red, purple, black		Matte green,blue,black and red
Surface treatment		HAL, HAL LF,OSP, hard god (80U" max), immersion gold, immersion tin, immersion silver, HAL+gold fingers, etc..		Including carbon ink and peelable mask.
Copper in hole wall (um)		≥18um		25um is guaranteed if specified.
Impedance tolerance		±10%		±5% if specified.
Copper thickness(OZ)		8oz for inner layers; 12oz for outer layers		Pls check if we've storage material before placing PO
Finishing hole tolerance(mm)		PTH: ±0.075mm	NPTH: ±0.05mm	

Quality Control Flow

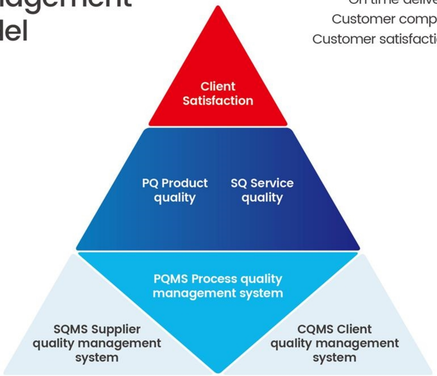
广科电路公司的战略目标：为电子电路行业提供最优质的产品及服务。客户至上，广科将竭力满足客户复杂的个性化的需求，实现质量和成本的最优化。公司从售前、生产、品质控制到售后服务制定了完整的质量管理体系，质量管理体系及产品通过权威机构认证；制作前通过工程设计预防控制；严密的生产制作过程控制、完善的产品质量改善体系；100% 检测包括电测试和 AOI 检查；可进行高压测试、阻抗测试、微切片、可焊性测试、热冲击测试、可靠性测试、绝缘电阻测试、离子污染度测试等。广科电路坚持品质为王，严格管理，追求卓越，为全球客户提供一流产品，一流服务。





Quality Management Model

QUALITY TARGET
Product pass rate: 100%
On time delivery: >98%
Customer complaint: <1%
Customer satisfaction: >98%



Relevant Certificates







