



# Reliance

Technology Development Ltd.

Manufacturer

Professional

Client-oriented

Brilliant

# C o m p a n y   P r o f i l e

Reliance is a Hong Kong company which provides full service of PCB manufacturing. We were established in 2002, providing Single and Double layer board production. Now, we also offer Multi-Layer, Quick turn prototype production, special materials, flexible PCB and assembly services to our worldwide customers.

Reliance promises customers with the quick respond of all kind of inquiries, quality products, and stable delivery. We care not only the business, but also the environmental protection and workers' rights. We are doing RoHS standard products, and having the in-house sewage treatment. Workers are under good working environment with stable working hours, because we understand taking care of the workers and the environment means taking care of our business.



# M i l e s t o n e

1999 Aug	Establishment of PCB sales office in Hong Kong
2003 Oct	Invest modern production plant for a widely development
2004 Jun	Started Multi-Layer production line
2006 Apr	Obtained ISO9001 Certificate
2007 Aug	Obtained ISO14001 Certificate
2007 Dec	Expand Plant size to 20,000 sqm, capacity was increased from 250,000 sq.ft/month to 450,000 sq.ft/month
2008 Sep	Accomplish TS16949 quality system
2009 May	New factory under development
2012 Jul	Hui Zhou Factory start production
2014 Feb	Obtained ISO9001 & 14001 Certification for Hui Zhou Factory



Plant Size : 20,000 sq m

Number of Staff : 600

Managers / Supervisors : 60

Monthly Capability : 450,000 sq ft/ month

Number of Engineer : 60

Certificates : ISO9001, ISO14001, TS16949, UL

# Plant & Capacity



## Product Type

Standard Rigid PCB from 1 to 24 Layers

Flexible PCB

Rigid-Flex PCB

Special PCB :

HDI PCB - Blind / Buried vias, Laser drill vias

Hard gold / Halogen Free PCB

Aluminium / Ceramic Substrate PCB

## Service

Mass Production

Quick Turn Service

Sample / Prototype Production

PCBA service

## Production Lead Time

	Sample	Quick Turn	Standard
S/S, D/S	4-5 w/days	3 w/days	8-10 w/days
4 Layers	7 w/days	6 w/days	10-12 w/days
6 Layers	8-10 w/days	7 w/days	10-15 w/days
8 Layers	8-12 w/days	7 w/days	10-15 w/days

# Capabilities

Items	Specification
Maximum Layer Count	24 Layers
Finished Board Thickness	0.016" ~ 0.128" (0.4mm ~3.2mm)
Maximum Dimension	20" x 24" (508mm x 610mm)
Minimum Line Width / Spacing	4 mil / 4 mil (0.1mm / 0.1mm)
Minimum Mechanical Hole Diameter	10 mil (0.25mm)
Minimum Laser Hole Diameter	4 mil (0.1mm)
Minimum Solder PAD Diameter	10 mil (0.25mm)
Hole Position Precision	2 mil (0.05mm)
Minimum Hole to Hole Spacing	12 mil (0.3mm)
Minimum Hole to Edge Spacing	8 mil (0.2mm)
Surface Treatment	HAL, Lead Free HAL, Flash Gold, ENIG, OSP, Imm. Silver, Imm. Tin
Minimum Hole Wall Thickness	>18um
Maximum Aspect Ratio	8.0 : 1
Minimum Annular Ring	4.5 mil (0.115mm)
Maximum Copper Thickness	Inner Layer: 3.0 oz, Outer Layer: 4.0 oz
Minimum Height of Characters	32 mil (0.8mm)
Minimum Size of Punched Hole	0.1" (0.25mm)
Controlled Impedance	+/- 10%
Outline Precision (CNC)	4 mil (0.1mm)
Outline Precision (Punch)	2 mil (0.05mm)
HDI Construction	BVH/ Build up/ 1+N+1/ 2+N+2



# New Technology

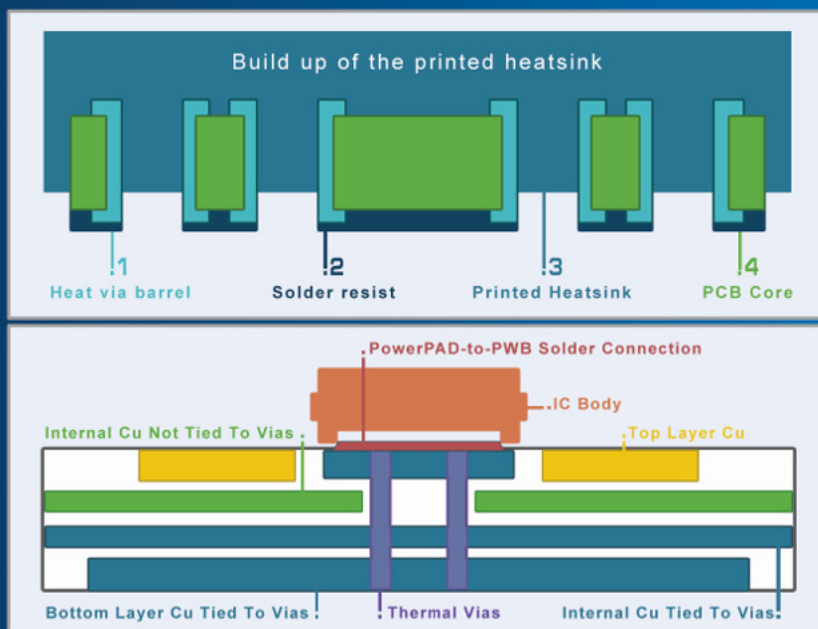
## Semi-Flexible PCB

1. Standard FR4 thin laminate materials
2. Economical alternative
3. Increase reliability
4. Decrease assembly time



## Radiating PCB Design

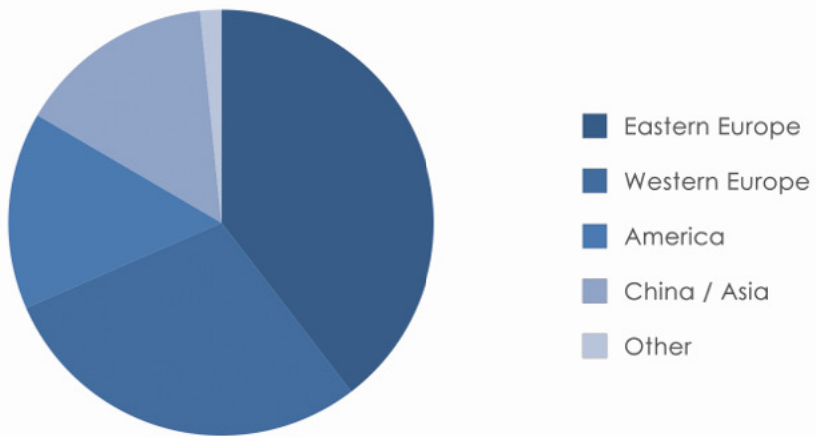
1. Heatsink Paste
2. Thermal Via
3. Metal-core PCB (1 Layer to 4 Layer)



## Data-Matrix Code (PCB ID)

1. Aid in inventory control and tracking before PCBA
2. Help finding out the root cause of the problem
3. Keep record for all PCB





Years of Experience in the Worldwide Market



Reliance Global Partner

# Environmental Policy

According to China's Environmental Policy, all production with heavy pollution has to be under control, manufacturers who are fail to meet the policy will be black listed, or eventually be forced close.

Reliance Technology Development Ltd. successfully fulfills all the environment requirement of Guangdong Government, having emission quota and meeting the emission standards. We strangle our best to protect our environment and the sustainability of our work life.

Reliance highly respects to environment policy, as a member of the earth, we aware of the importance of environment issue. We strictly stick to ISO14001 environment management system on daily work, and doing RoHS standard products. We also have built up an in-house sewage treatment system for better work & life environment.





# Contact US

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