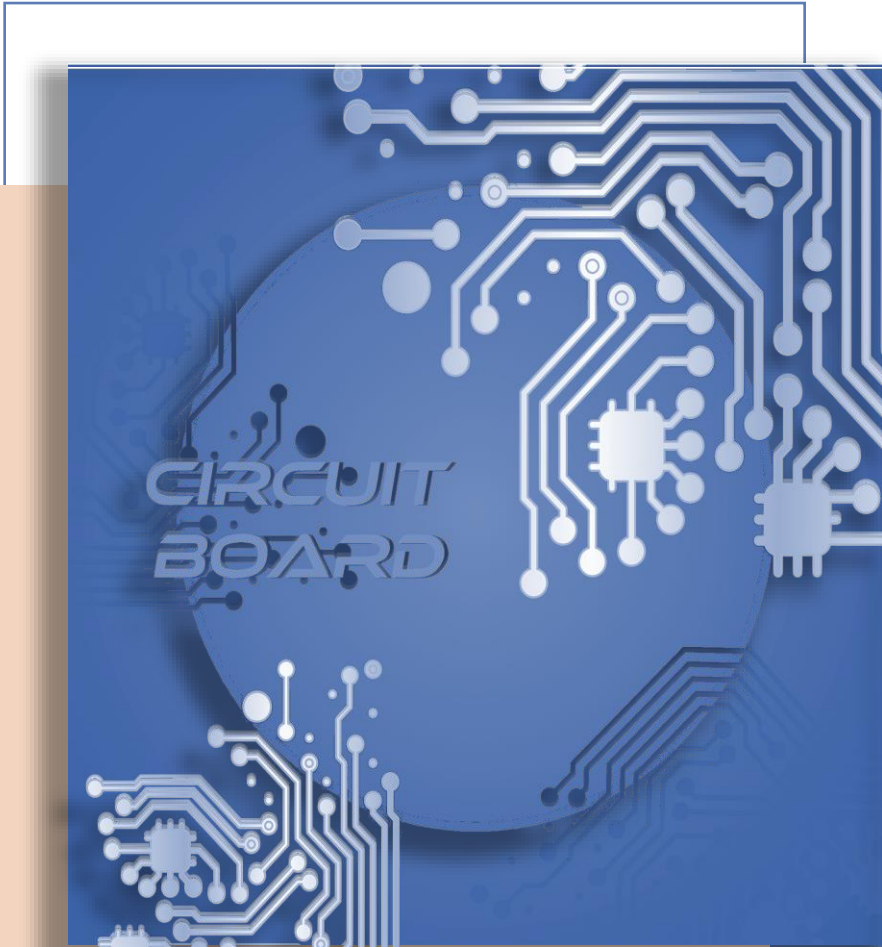




Company Profile

Multi-Flex Circuits

-  Driving Innovation & Reliability
-  With Over 30 Years of Expertise
-  Global Reach, Local Support
-  Circuit Solutions You Can Trust



CONTENTS

1

About us

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Products & Service

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Facility

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Contact us





PART 01

About us

- Company Profile
- Certificates
- Why choose Multi-Flex Circuits?



PCB
BOARD

Company Profile



Welcome to Multi-Flex Circuits – An Established High Quality Supplier in the Printed Circuit Board industry. We're headquartered in Australia, with vibrant branches in the USA, Europe, North Africa, and the Philippines. Over the course of three decades, we've established ourselves as a reputable provider of superior printed circuit boards. Our success is deeply rooted in our steadfast commitment to customer satisfaction and our keen understanding of market dynamics. Embark on a journey through the world of PCBs, facilitated by Multi-Flex Circuits – your reliable partner that brings the best the industry has to offer, right to your doorstep.

5

Global Presence
Continents

15

Business Reach
Countries

30

Years of
Experience



Certificates

Qualification

Partnering with leading certified manufacturers enriches our offerings and ensures superior quality and reliable products, offering you peace of mind and confidence in your purchases.

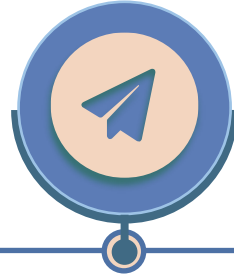


Why Choose us?



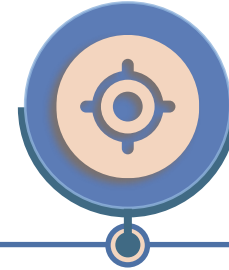
Extensive Expertise

With over 30 years of industry experience, our seasoned knowledge and reliability ensure superior circuit board solutions tailored to your needs, guaranteeing project success.



Worldwide Support

Benefit from our worldwide offices offering seamless access to premium products, backed by responsive and personalized local support, fostering strong partnerships and exceeding expectations



Manufacturing excellence

Partnering with qualified manufacturers guarantees access to cutting-edge technology and rigorous quality control, ensuring superior product performance and reliability.



Value-driven partnership

Count on our commitment to cost-effectiveness, punctual delivery, rapid responses, robust technical support and superior quality, ensuring your sustained success with our service excellence.



PART 02

Products & Service

- Global Reach
- Products offering
- Products Application
- Co-Operative Partners



Global Reach



Global Office

- 📍 Australia
- 📍 USA
- 📍 Europe
- 📍 Philippines

Sales Network

- Australia
- Thailand
- Korea
- USA
- Europe
- Philippines
- China
- Egypt
- Mexico
- Holland
- Germany
- Czech republic
- Slovenia
- Malta
- Italy
- Romania

Products Offering

Our products range:

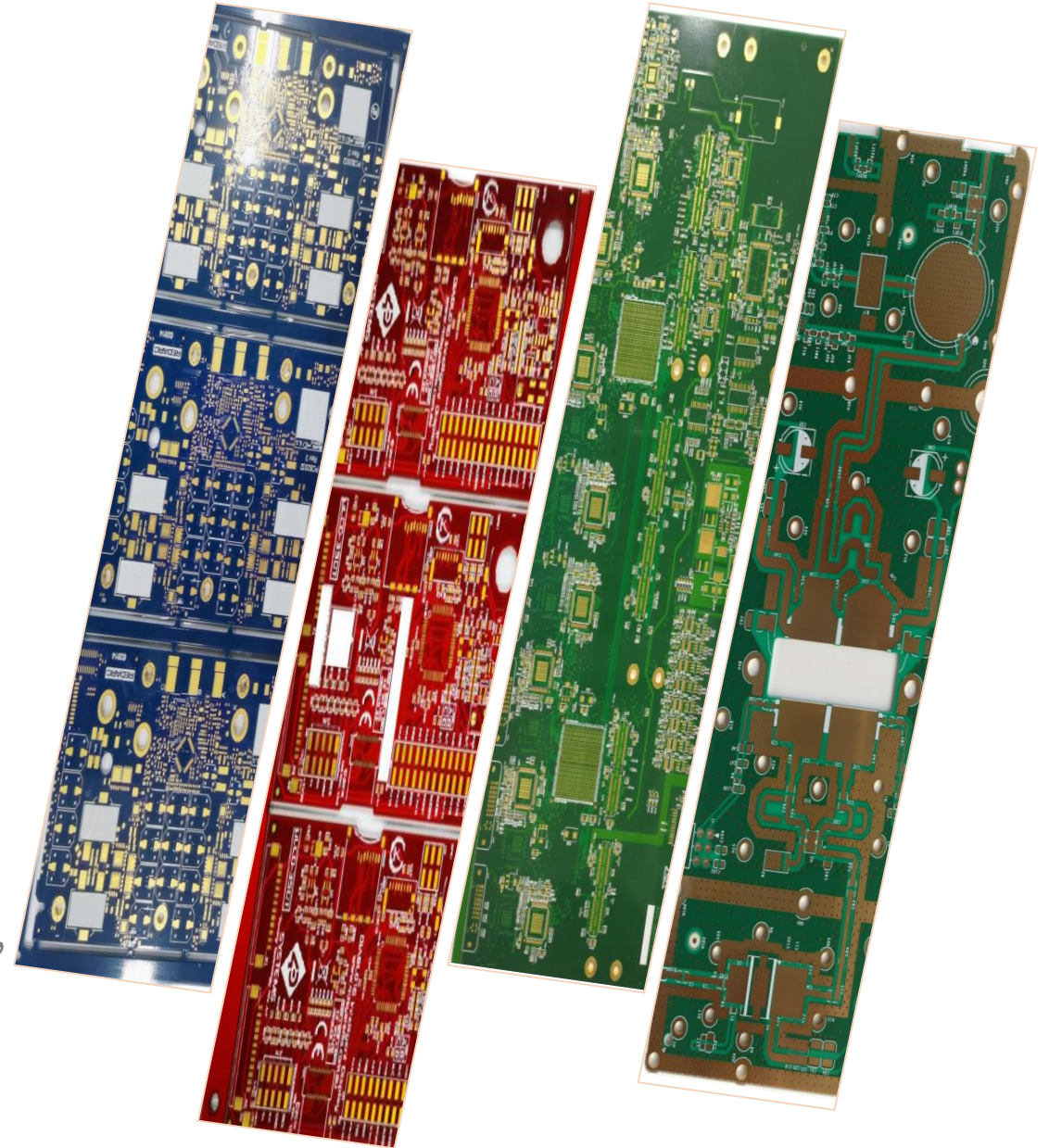
- Aluminum based PCB
- Ceramic & Teflon based PCB
- 500um and higher copper PCBs
- 2-30 Layer PCB (thickness up to 8.5mm)
- 1.2 m lighting PCB
- HDI boards
- High Speed PCBs
- High Frequency PCBs
- Flexible Printed Circuit boards
- Rigid Flex printed Circuit Boards

Surface finishes:

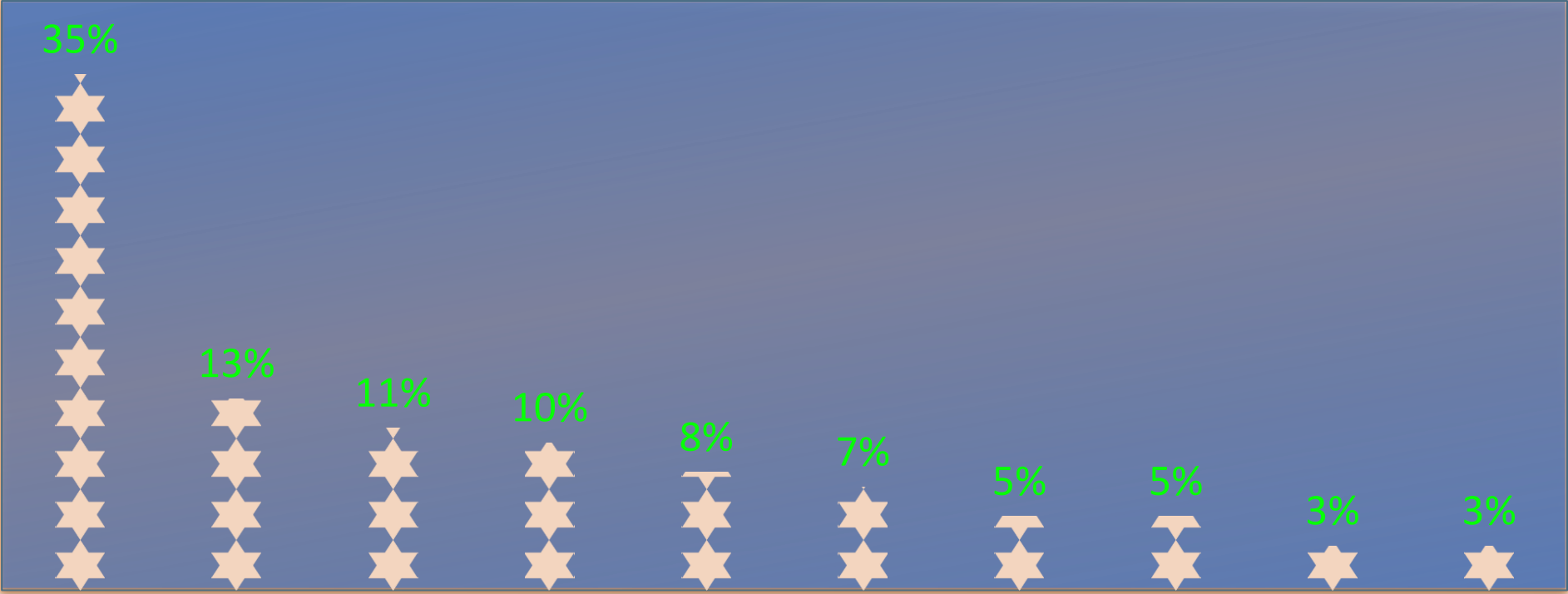
- ENIG, HAL, OSP, Peel-able mask, Carbon ink, Gold fingers...

Color options:

- Green, blue, black, red, white and more



Product Application



Automotive

Power

Industrial

Smart Terminals

Computer

Lighting

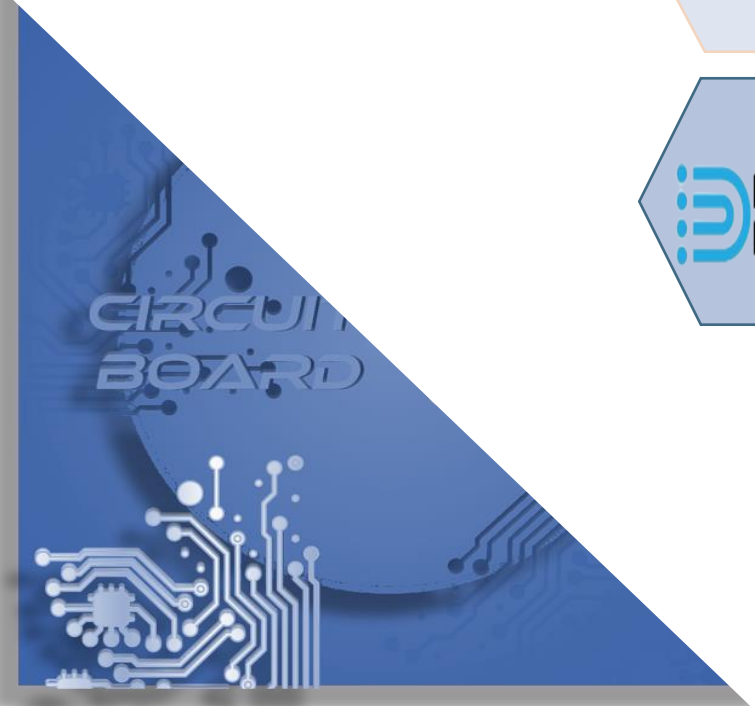
Display

Communication

Medical

5G

Customers





PART 03

Facility

- Capability
- Value Engineering
- Facilities
- Environment Policy



RECU
BOARD

Capability

Features	Standard	Advanced
Material	TG≥130°C, TG≥150°C, TG≥170°C FR4; CTI≥600°C, Halogen free, CAF resistance	
Special Material	Ceramic Base, Aluminum Base, Rogers Base, Teflon Base, High-speed Material	
Maximum Layer Count	16	Samples up to 30 Layer
Maximum PCB Size	580*460mm[23*18"]	580*530mm[23*21"]
Min. Inner Layer Trace/Spacing (0.5oz)	3/3 mil	2.8/2.8 mil
Min. Outer Layer Trace/Spacing (0.5oz)	3/3 mil	2.8/2.8mil
Maximum PCB Thickness	3.6mm[0.142"]	4.5mm[0.177"]
Minimum PCB Thickness	0.4mm[0.016"]	0.2mm[0.008"]
Minimum Mechancial Drill Size	0.2mm[0.008"]	0.15mm[0.006"]
Minimum Laser Drill Size	0.1mm[0.004"]	0.08mm[0.003"]
Maximum PCB Aspect Ratio	8:01	10:01
Inner-layer Base Copper Weight	0.5-12 oz	0.5-12 oz
Outer Layer Base Copper Weight	0.5-14 oz	0.5-14 oz
Profile Tolerance	±150µm[0.006"]	±100µm[0.004"]
Surface finishing	ENIG, Gold Fingers, OSP, HASL , Pealable Mask, Carbon ink..	

Value Engineering



Value Engineering

The PCB in electronic devices have to be precisely engineered and carefully manufactured. We offer faster, cost-effective and manufacturable solutions and areas of expertise to meet your needs and quality expectations.

High-Precision Machining

Achieve precision and accuracy with our mechanical process. We maintain strict control over tool lifespan, ensuring quality products that meet your exact specifications



Drilling workshop



Grinding drill bits



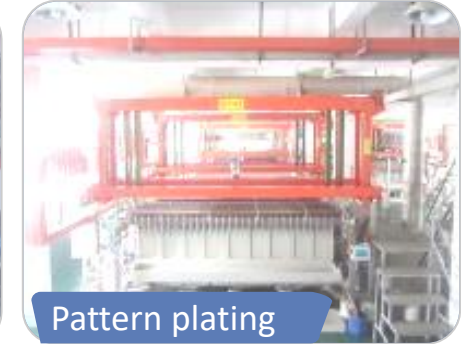
CNC V-CUT



Facilities

Plating Lines

Our automated plating line enables consistent and uniform plating across the circuit boards, ensuring reliable electrical conductivity and corrosion resistance, which guarantees high-quality and durable products.



Facilities

High-Quality Manufacturing

Cultivating quality at every step, our manufacturing prowess is showcased through cutting-edge production facilities. Our commitment to excellence is evident in the integration of advanced machinery, unsurpassed quality assurance processes, and a dedicated workforce. This synergy results in the creation of PCBs that consistently embody superior quality and reliability, ensuring the delivery of high-quality products to our esteemed customers.



Facilities

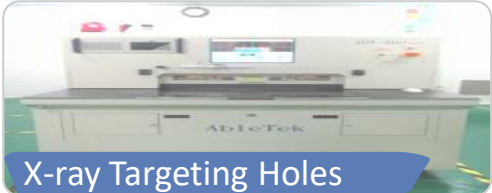
Advanced Multi-Layer PCB Solutions



Cold Pressing



Hot Pressing



X-ray Targeting Holes



Acid Etching



Innerlayer & Brown Oxide

Explore our advanced multi-layered PCB manufacturing, designed for both small and large-scale production, including HDI boards and thick copper variants. Our technology excels in crafting custom solutions, meeting unique specifications for your diverse multi-layered PCB needs.



Multi-Layer Pressing Workshop



Pressing Mode



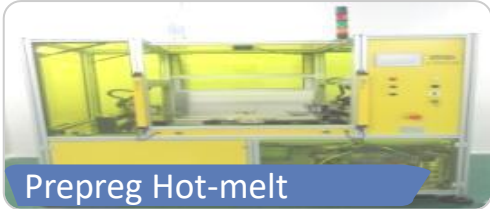
HF Prepreg Auto Cut



Non-HF prepreg Auto Cut



Auto layer-up



Prepreg Hot-melt

Facilities

Quality Control for Excellence

Discover our cutting-edge laboratory testing equipment, ensuring the highest levels of quality and reliability. Through rigorous inspections and robust reliability tests, we consistently surpass expectations. Trust our unwavering commitment to excellence for dependable results in every partnership.



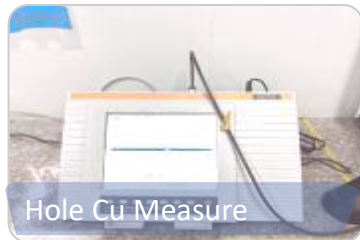
TG Value Test



X-Y Size Measure



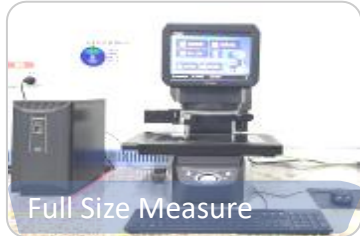
Metal Thick Measure



Hole Cu Measure



ROHS Tester



Full Size Measure



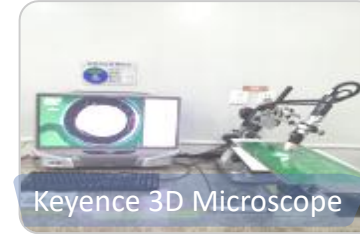
Cross-Section Measure



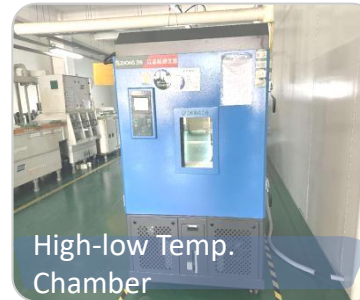
Solderability Test



High-Voltage Test



Keyence 3D Microscope



High-low Temp. Chamber



Impedance Test



Gel Test



Ion Test



Cu Clad Peel Test



Physical Lab

Facilities



Uncompromising Quality & Stability Exceeding Your Expectations!

Our meticulous control and regular chemical analysis and statistical analysis of our solutions ensure the utmost production stability and guarantee the highest product quality. By closely monitoring our chemical processes, we maintain consistency and precision throughout production, delivering reliable and superior printed circuit boards to our valued customers.

Quality Assurance

Every critical phase of your products undergoes continuous monitoring and inspection. By partnering with MFC, you gain the advantage of a quality system certified with the most demanding standards in each sector.



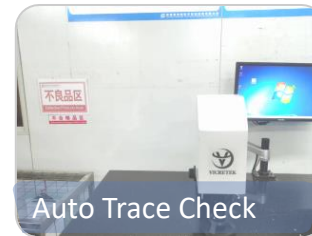
On-Line AOI



Auto E-Test



AVI



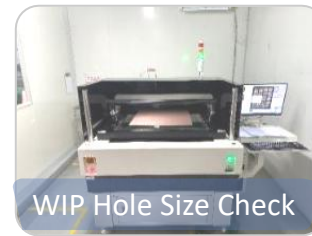
Auto Trace Check



Frying Probe Test



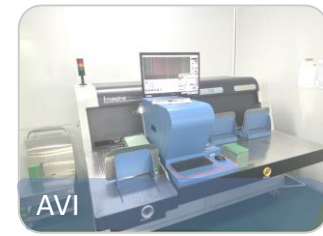
AVI



WIP Hole Size Check



ET Workshop



AVI



Auto Warp Check






Final Hole Size Check



Mili-Resistance Test

Environment Policy

Environment Policy

-  **Abide by the legal requirements**
-  **Pollution prevention and treatment**
-  **Continual Improvement**





PART 04

Contact Us

- Contact



PCB
BOARD

Contact Us



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Multi-Flex Circuits

