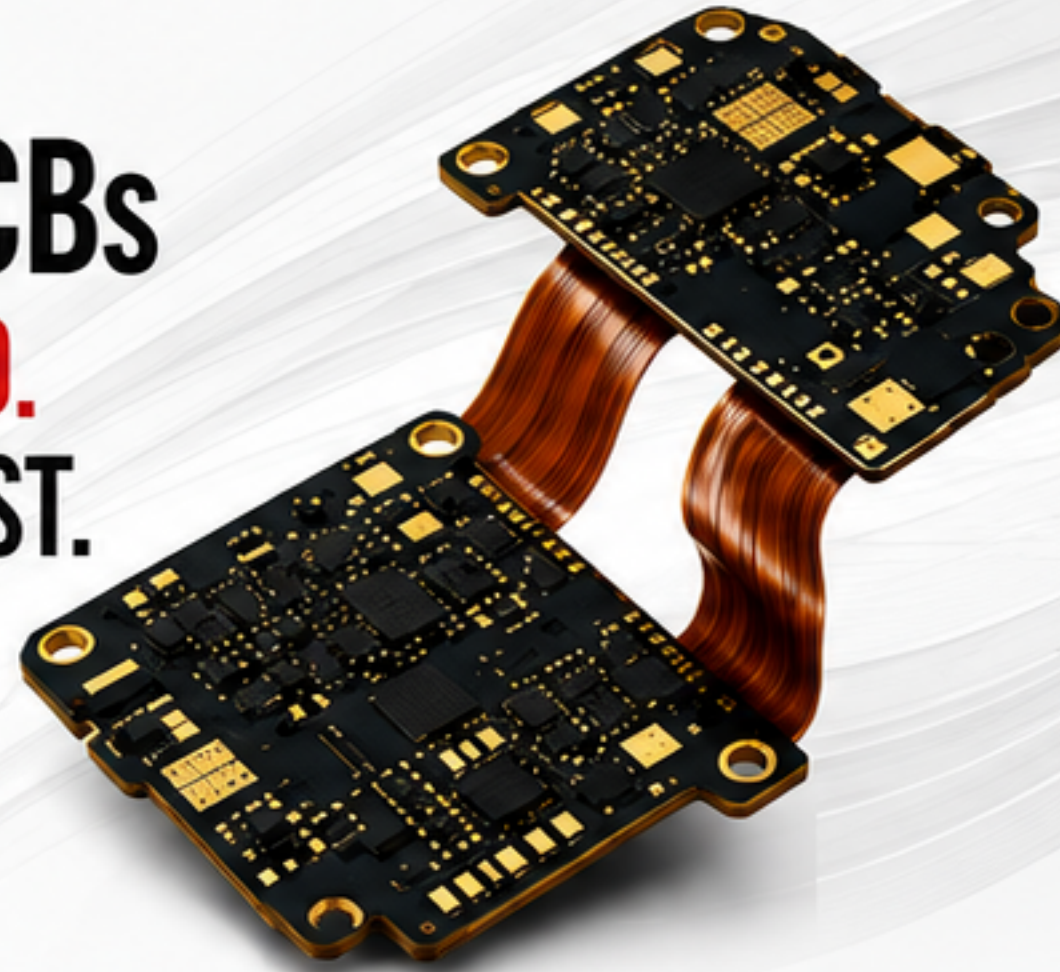


RIGID-FLEX PCBs DESIGNED TO BEND. ENGINEERED TO LAST.

Rigid-flex PCBs combine the strength of rigid boards with the flexibility of polyimide circuits to create compact, reliable and high-performance solutions for the most demanding applications.



**FLEXIBILITY
WHERE YOU NEED IT**
Reduce assembly steps
and eliminate connectors.



**RELIABILITY
YOU CAN TRUST**
Built for extreme conditions
and mission-critical systems.

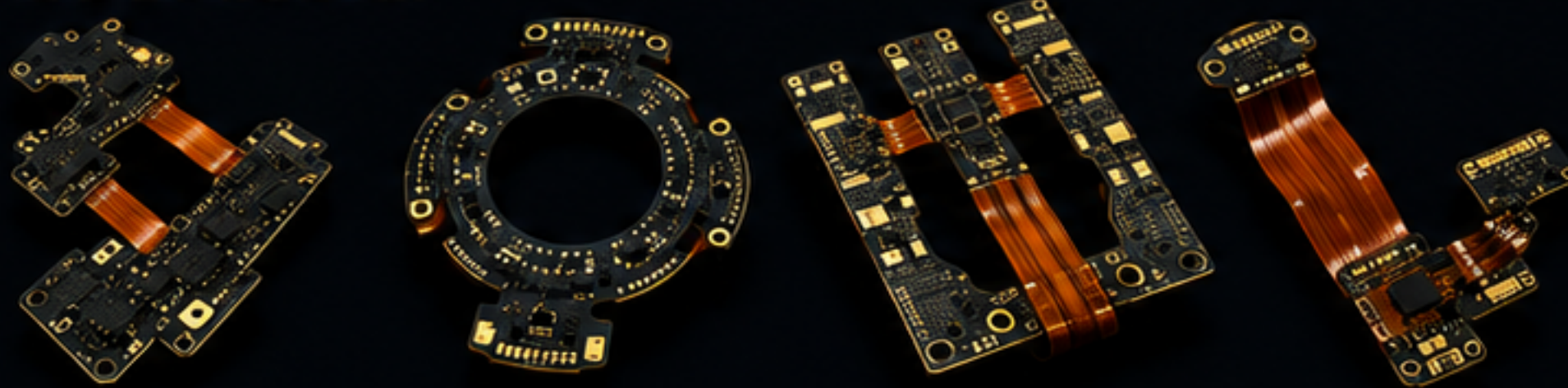


COMPACT BY DESIGN
Save space, reduce weight
and increase performance.



**ENGINEERED
WITHOUT COMPROMISE**
Advanced materials, precise
manufacturing, superior quality.

RIGID-FLEX PCB EXAMPLES



**RIGID STRENGTH.
FLEXIBLE PERFORMANCE.
ONE SEAMLESS SOLUTION.**



**ENGINEERED FOR COMPLEXITY.
DELIVERED WITH PRECISION.**



**100% ELECTRICAL TESTED
FOR MAXIMUM RELIABILITY.**

JCUBETECH.COM

ADVANCED CAPABILITIES



LAYERS
1 – 30+ layers



FLEX TECHNOLOGY
Single-sided, Double-sided
& Multi-layer Flex
Dynamic & Static Flex



MATERIALS
Polyimide (PI), FR-4, High Tg,
Rogers, and more



MIN. FLEX BEND RADIUS
As low as 5x Strain



THICKNESS
Rigid: 0.2mm – 6.0mm
Flex: 0.13mm – 0.25mm



MAX. PANEL SIZE
610mm x 610mm (24" x 24")



VIA TECHNOLOGY
Blind, Buried & Through Vias



LASER DRILLED MICROVIAS
Down to 0.075mm (3 mil)



LINE / SPACE
Down to 75 / 75 μ m (3 / 3 mil)



COPPER WEIGHT
Flex: 1/3 oz – 2 oz
Rigid: 1/2 oz – 6 oz

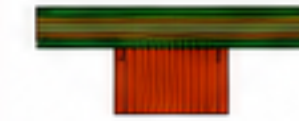


SURFACE FINISH
ENIG, ENEPIG, Immersion Tin,
Immersion Silver, OSP, Hard Gold



QUALITY STANDARDS
IPC-A-600 Class 2 & 3
100% Electrical Testing

RIGID-FLEX CONSTRUCTION



SINGLE-SIDED FLEX
1 x Flex



DOUBLE-SIDED FLEX
2 x Flex



MULTILAYER FLEX
Multi-layer Flex



RIGID-FLEX (ASYMMETRICAL)
Rigid + Flex



RIGID-FLEX (SYMMETRICAL)
Rigid + Flex + Rigid

TYPICAL APPLICATIONS



**MEDICAL
DEVICES**



**AEROSPACE &
DEFENSE**



**WEARABLE
TECHNOLOGY**



AUTOMOTIVE



**INDUSTRIAL
AUTOMATION**



ROBOTICS



DRONES & UAVs



TELECOMMUNICATIONS



**MILITARY
ELECTRONICS**



**CONSUMER
ELECTRONICS**

WHY CHOOSE J-CUBE?

- ✓ Decades of PCB manufacturing expertise
- ✓ State-of-the-art equipment and technology
- ✓ Strict quality control at every stage
- ✓ On-time delivery and responsive service
- ✓ Engineering support from concept to production
- ✓ Competitive pricing with uncompromised quality



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TECHNOLOGIES INC.**

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jcubetech.com

**ENGINEERED FOR INNOVATION.
DELIVERED WITH CONFIDENCE.**