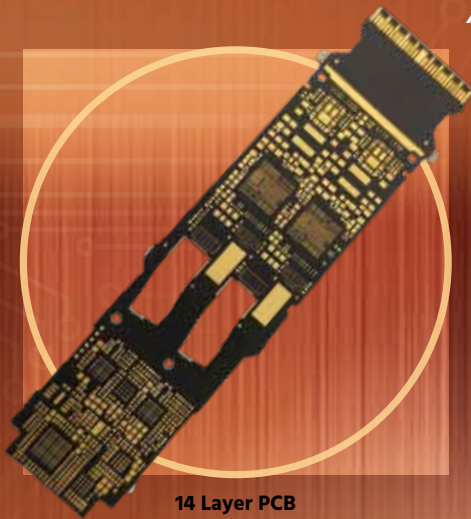


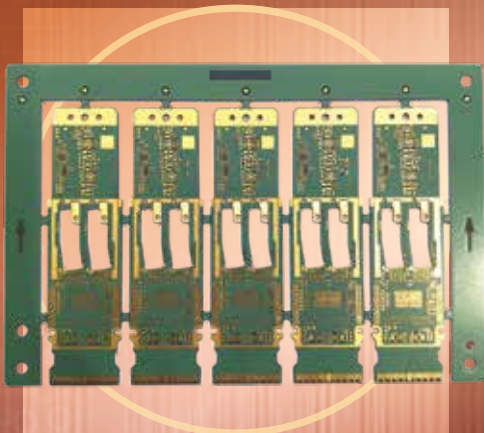
RESIN COATED COPPER

RCC & SUBSTRATE LIKE PCB'S

Another FCT® Solution in Excellence



14 Layer PCB



10 Layer PCB, 5-Up Panel

Proprietary Material:

Unlike our competitors, FCT produces our own RCC material to improve lead time and delivery, ensuring greater supply chain control, consistent quality, and faster turnaround times.

Reduced Weight & Thickness:

Taking miniaturization to the next level, HDI-SLP circuits are ultra-thin and lightweight to optimize space and weight. This allows for very fine lines and spaces, crucial for increasing circuit density without enlarging the PCB size.

Micro-Via Formation:

RCC material supports laser drilled micro-vias, enabling connections between layers in HDI-PCBs with minimal space requirements.

Improved Reliability:

With precise control over the manufacturing process, RCC has enhanced reliability and yield rates in complex multi-layer PCBs.

Engineered to meet the demands of high-density electronics, substrate-like PCBs (SLPs) eliminate the need for traditional adhesive layers, reducing thickness while improving electrical performance. This high-density interconnect (HDI) is an ideal solution for fine-line circuitry, and enhances reliability for next-generation automotive, consumer electronics, and industrial applications.

At FCT, we take innovation a step further by manufacturing our own proprietary RCC (Resin Coated Copper) material, ensuring better control over quality, performance, and availability. Resin Coated Copper (RCC) is a high-performance material that combines a thin copper layer with a specialized resin coating, enabling enhanced adhesion and durability. Our RCC material streamlines supply chains, reduces lead times, and delivers superior consistency. Coupled with our EMS group, inTFlex, FCT provides an integrated solution—offering end-to-end manufacturing, from raw material production to complete circuit assembly, allowing for optimized performance and seamless scalability.



Flexible Circuit Technologies

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CAPABILITIES MATRIX

LAYERS	3-14
MIN VIA DIAMETER	50um min
TRACE AND SPACE	25um min
LAYER ALIGNMENT	30um min
RESIN THICKNESS	35um, 60um, 80um
COPPER THICKNESS	12um
WIDTH	Maximum 50mm
LENGTH	Range from 250~600mm

With FCT's proprietary Resin Coated Copper (RCC) and the integration of IntFlex, we offer a fully integrated solution that streamlines manufacturing from material production to final assembly with superior quality, faster lead times, and greater supply chain control. Our in-house RCC production ensures ultra-thin design, fine-line capability, thermal resilience, and micro-via support to enable next-generation circuit performance. By combining cutting-edge materials with complete manufacturing expertise, FCT delivers innovative, reliable, and scalable solutions for the automotive, consumer electronics, and industrial markets.

Contact FCT to explore the possibilities for your RCC Application!
sales@flexiblecircuit.com

inTFlex

With over 900,000 sq/ft of cutting-edge manufacturing technology, **inTFlex** merges FCT's electronic manufacturing and contract manufacturing services into a new state-of-the-art facility. **inTFlex**, the EMS group of Flexible Circuit Technologies, features high-speed, fully automated SMT smart lines, plastics molding, membrane switches, CNC capabilities, fixtures, and all existing value-added services. **inTFlex** allows FCT to continue providing outstanding EMS and CM services to bring world-class interconnect solutions to life, optimize production efficiency, and support program scalability for global medical clients.

To learn more about **inTFlex**, visit:
flexiblecircuit.com/intflex.



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