

FAST TURN CIRCUIT BOARDS



CIREXX ™

*SINGLE SIDED TO MULTI-LAYER
RIGID — FLEX — RIGID-FLEX — HYBRID*



Flex



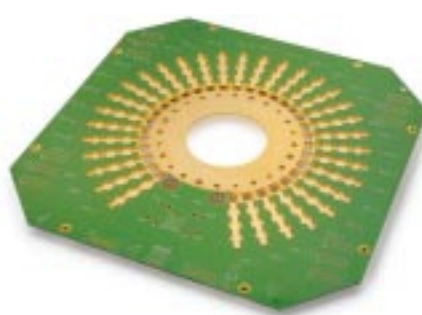
Tin Immersion



Rigid-Flex



*Soft Bondable, Hard or
Immersion Gold*



*Gold Body with Controlled
Depth Routing*



Hybrid: FR-4/Duroid



*Rogers 4003 Multi-layer
with Controlled Impedance*



Teflon/Duroid



*3-mil Lines on Flex with
Aluminum Stiffener*

Our goal is to provide unrivale the design, fabrication, and asse

CIREXX CAPABILITIES

TECHNOLOGIES

- 3 mil trace width
- 3 mil airgap
- 8 mil smallest drill size
- 4 mil laser eblated micro vias
- Blind and buried vias
- PCMCIA Cards
- Hybrid Circuits (Rigid + Teflon Combo)
- Chip On Board (COB)
- Controlled Impedance and Dielectrics
- Thin Core down to 2 mil

MATERIALS

- FR-4
- Flex
- Rigid-Flex
- G-Tek®
- Polyimide
- Duroid®/Teflon
- TMM®

LAYERS

- Single and double-sided
- Multi-layer, up to 40 layers
- Rigid-flex, up to 22 layers

PLATING

- SMOBC (solder mask over bare copper)
- Tin lead
- Gold body
- Soft bondable gold
- Selective gold
- Electroless nickel and gold
- Tin Immersion (ultra-smooth)

SOLDER MASKS

- PC 401
- LPI (Liquid Photoimagable)
- Dry film

TESTING

- 100% test (1 or 2 sided)
- AOI
- Net List
- TDR

Full turnkey. With more than twenty years of board building experience, Cirexx Corporation offers you the flexibility to obtain your design, fabrication and assembly requirements from one source. With a state of the art manufacturing facility and a proven track record of on time delivery, we will reduce your cycle times and lower your manufacturing costs.

Experience in detail. Building quick-turn prototype circuit boards requires meticulous, hands-on inspection and attention to detail. Like skilled artisans our technicians oversee every facet of the manufacturing process. Whether you need quick-turn, prototype or short-run production, Cirexx can handle your toughest requirements with ease.

Engineering prior to manufacturing. Our knowledge of emerging technologies and the newest substrates and materials is unprecedented in the industry. By solving design challenges and fine tuning your board for manufacture, we will decrease your time to market and in the end, save you money.



CIREXX CORPORATION
REGISTERED TO ISO 9002



d quality, support, service, and delivery in mbly of quick-turn prototype circuit boards.

High-speed Gerber Crescent 40 Photoplotter



CIREXX FACILITIES

We take pride in maintaining a clean, organized, and modern facility. As an example of our dedication to upgrading and our commitment to quality, here are some recent investments.

AOI

(1) Camtek 2V50 Automated Optical Inspection System with on line verification station

CAM

(4) Valor ODB++ workstations

Drilling

- (1) Excellon Mark 7 high-speed drill
- (1) Excellon LVD 2001 laser drill with both YAG and CO² Capabilities
- (1) Excellon System 2000 high speed drill

Imaging: Dry Film and LPI

(5) Olec AP 30 ultra-fast Imaging Systems

Plasma Etchback

(1) Advanced Plasma Systems

Photoplotting

- (1) High-speed Gerber Crescent 40 photoplotter with 1/8 mil resolution
- (1) Lavenir photoplotter with 1/4 mil resolution

Testing

(2) ATG Flying Probe net-list testers



Founded in 1980 in the heart of Silicon Valley, Cirexx has grown to be the leader in the quick-turn specialty prototype circuit board industry. Our new 30,000-square foot facility features the most advanced equipment and experienced engineering staff to satisfy your custom requirements.

We are constantly improving our capabilities and tolerances to keep pace with your increasingly complex designs. Chances are, if a process is documented, Cirexx is already using it. If a material exists, Cirexx can manufacture with it. Our mission is simple: to support our global customers with the highest level of technical service and on-time delivery... without compromising quality.

Cirexx customers enjoy such a high level of service and quality that they won't go anywhere else—for any price. Maybe that's why over half of our sales come from repeat business and the other half from referrals.

Call or e-mail us today for a competitive quote and you'll see why our customers say, "Cirexx means satisfied."



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