

Planar Transformer

RFQ Checklist & Selection Quick Reference

Share as much of the detail below as you can — the more we have, the faster one dedicated engineer can return a proposed design and indicative pricing (typically within 48 hours). P&A International is an engineering-led contract manufacturer; every supplier in our network is ISO 9000 certified or better.

1. What to send us for a fast, accurate quote

- Topology, switching frequency, input/output voltages and power
- Whether windings are in your PCB or a discrete part
- Target profile/height, footprint and thermal interface
- Isolation and safety requirements, and target standards
- Efficiency / leakage targets and any EMI constraints
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or stack-up

2. Which planar design? - quick reference

Option	Best for
LLC planar	High-efficiency LLC resonant converters.
Full-bridge planar	Phase-shift full-bridge high-power.
Integrated-PCB	Windings in your PCB stack-up for max density.
High-current	Heavy-copper for high-current low-voltage rails.

3. Design factors that shape the quote

- **When planar wins:** low profile, high density, repeatability and thermal at high frequency.
- **Stack-up & copper:** layer count, copper weight and interleaving set leakage, AC resistance, current.
- **Core & frequency:** planar core grade/size for loss and saturation at your frequency.
- **Thermal & integration:** surface area, clips and thermal interface to your cold plate.
- **Isolation & safety:** creepage/clearance and insulation to IEC 62368-1, CE, UL in the stack-up.

Send your completed checklist (and any drawing or sample) and one dedicated engineer will respond with a proposed design and indicative pricing. No project too big or too small.