Heavy copper or PLPCB

What is PLPCB technology.....

PLPCB (PowerLink Printed Circuit Boards) technology allows multiple copper weights on the PCB for the Buss Bar Application.

Production capabilities:

Layer count: 1 - 25
Overall board thickness: 5 - 250 mil
Smallest drilled holes size: 6 mil, (Pad to Hole size may limit heavy copper)

Copper weights:
Outer-layers: up to 50 doz/ft² (3.12 lbs./ft²)
Inner-layers: up to 8 oz/ft², with standard processes & up to 90 oz w/special processing.

Dielectric Materials:
FR4, Polyimide, BT-epoxy, Cyanate, Ester, High Frequency laminates – other

LPI Solder-mask:
• Green, Red, Black in semi-gloss.

Silkscreen Ink:
• LPI White ink (5 mil or larger features)
• Available in: white, black or yellow (8 mil or greater)

Final Finishes:
• Lead Free HASL Solder, HASL PbSn Solder, ENIG, OSP

Electrical testing:
• Net listed (with fixture), flying probe(fixtureless)
• Insulation Resistance and HI-POT testing

Production Lot traceability on all parts

“PowerLink” is defined as the use of 2 or more copper weights on the same external layer of a printed wiring board.

• Use of multiple Copper weights.
• In size reduction.
• Protects circuit failure.
• Reduce number of connectors.
• Increased mechanical strength
• Higher current carrying capacity
• Use of high temperature dielectric

Unique manufacturing capabilities at EI:

• Multi-copper weights capabilities.
• Heavy / Extreme copper tracks and vias.
• Edge Plating & Plated Castellations.

Phone: (800) 364-4844
Email: sales@eiconnect.com

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