The thermal conductivity assisted by the aluminium cores in the circuit boards makes higher packing densities, longer operating times, and improved security against failure possible.

The metal core of the thermal PCB can be aluminum (aluminum clad PCB), copper (copper clad PCB or a heavy copper PCB) or a mixture of special alloys. The most commonly used is an aluminum clad PCB.
Bendable Aluminum Printed Circuit Boards

Meets
IPC Peel Strength,
Dielectric Breakdown and
Thermal Impedance

Copper 5052, 6060, 6061
Copper Thickness 35-180 um

60 & 90 Degree Radius
Variety of surface finish
Super bright solder mask
Very good heat dissipation
UL approved and RoHS compliant
Thermal Conductivity 1.0-3.0 w/m.k

Mirror Face
Aluminum PCB
Integrated Mirror Backing
Plus Super White Solder Mask
Provides Up To 96% Reflectivity

New Metal Core
PCB Technology For 2015
Super Thin Metal Core PCBs
Long Length Metal Core PCBs (800mm)

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