



Flexible

The demand for flexible PCBs is increasing in all business segments with especially strong demands from medical, military and industrial markets. Since the volumes normally are quite small for these segments NCAB works with a number of HMLV (high-mix, low-volume) factories in Asia that fit the technology and volume requirement. NCAB Group has a 5 M€ spend in this segment which makes us one of the strongest PCB suppliers for low volume flexible boards for medical and industrial applications.

FLEXIBLE PCBs – TECHNICAL SPECIFICATION

FEATURE	NCAB'S TECHNICAL SPECIFICATION
Number of layers	1 – 6L
Technology highlights	Mainly polyimide materials, flex PCB's are necessary when motion of the PCB is needed, when 3D interconnections are necessary (i.e. replacing cables and connectors) or when these are both combined due to limited available space.
Materials	Polyimide, Polyester
Profile method	Laser cutting, punching, Mechanical routing
Copper weights (finished)	18um – 70um
Minimum track and gap	0.075mm / 0.075mm
PCB thickness	0.05mm – 0.80mm
Maximum dimensions	450mm x 610mm
Surface finishes available	LF HASL, OSP, ENIG, Immersion tin, Electrolytic gold, Gold fingers
Minimum mechanical drill	0.10mm