

NexTurn PCB — Line Card

Embedded Controller HW/FW Design & PCBA Manufacturing · South Korea · operated by NEW ECOTECH INC.

BUSINESS MODEL

- Turnkey project management through an audited Korean partner network
- Qualified partner facilities for PCB fabrication, SMT assembly, and embedded engineering

SERVICES

- Embedded controller development (**HW + FW + volume production**)
- Redesign & cost-down of existing boards
- PCBA contract manufacturing (turnkey / partial / consigned)

QUALITY FRAMEWORKS (PARTNER FACILITIES)

ISO 9001**AS9100D****IATF 16949****IPC Class 3**

- Partner facilities certified to **ISO 9001 · AS9100D · IATF 16949**; **IPC Class 3** builds
- Lot traceability & inspection records defined in the quote prior to production

COMMERCIAL & LOGISTICS

- Pricing units: **PCS / KIT / PNL**
- Standard quote response: within **2 business days**
- Express shipping from Incheon via **DHL / FedEx / UPS** (typically 3–5 days)

PCB FABRICATION SPECS

- Multilayer up to **42 layers**, **FR-4**, high-Tg, HDI options per partner capability
- Surface finishes: **ENIG** (Au 0.03 µm typical), HASL LF, OSP
- Gerber upload up to **100 MB**; stack-up advice within **48 hours**

SMT / ASSEMBLY SPECS

- Component sizing: **0402 standard**, 0201 possible (confirmed per design); CSP not accepted
- Technology: **SMT + IMT** (insertion mount) assembly
- Inspection: **SPI, AOI, 3D X-Ray/CT**, and **FCT** confirmed per assigned facility

CONTACT INFORMATION

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Ready to start your project or need a DFM assessment?

 Upload Gerber & Get Quote Request NDA / DFM Review