

PFAS Statement – Unpopulated PCB

Helmond, 30-10-2025

Scope

This statement addresses the potential presence of PFAS (Per- and Polyfluoroalkyl Substances) in **unpopulated printed circuit boards (PCBs)** supplied by **AQC BV**.

Statement

Based on current material specifications, supplier information, and available technical data, **standard unpopulated PCBs** manufactured from conventional materials such as **FR-4** (glass fiber reinforced epoxy laminate) are **not expected to contain intentionally added PFAS**. FR-4 and similar epoxy-based substrates do not incorporate PFAS compounds as part of their formulation.

However, PFAS may be present in certain **specialized PCB materials or manufacturing processes**, as outlined below:

- **PTFE-based (Teflon®) or other fluoropolymer laminates** used in high-frequency or RF applications inherently contain PFAS as a structural component.
- Certain **high-speed or microwave substrates** (e.g., specific Rogers or Taconic materials) may include fluorinated polymers.
- **Minor trace levels of PFAS** could potentially be introduced through specialized surface finishes, coatings, or process chemicals, though such occurrences are not typical for standard PCB production.

Conclusion

Standard FR-4 PCBs with conventional copper cladding and common surface finishes (HASL, ENIG, OSP) are **not expected to contain PFAS**.

AQC BV does not intentionally add PFAS substances to unpopulated PCB materials and continuously works with their suppliers to ensure compliance with relevant environmental and chemical regulations.

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