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Product Carbon Footprint Analysis

Product: eirwiimwli

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Total PCF for 1 unit

79.853 kgCO₂e

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79.853 kgCO₂e

Per 1.0 unit of eirwiimwli

Carbon Intensity

79.853 kgCO₂e/unit

Reflects cradle-to-grave emissions

Top Material Hotspot

Circuit Board

2.50 kgCO₂e of material impact

Primary Emission Scope

Use Phase (Scope 3)

87.66% of total footprint

Action Plan: Recommendations for Emission Reduction

- **Enhance Use Phase Efficiency:** Redesign 'eirwiimwli' for significantly lower energy consumption during its operational life. Explore passive cooling, efficient power management, and longer product lifespans.
- **Decarbonize Manufacturing:** Increase renewable energy usage in production beyond 60%, aiming for 100% renewable electricity through on-site generation or certified green energy contracts.
- **Sustainable Material Sourcing:** Investigate and implement lower-carbon material alternatives, prioritize materials with high recycled content, and collaborate with suppliers to reduce their upstream emissions.
- **Strengthen Circularity:** Leverage the existing robust take-back program to maximize refurbishment and material recovery rates. Investigate innovative ways to extend product life, repairability, and upgradability.