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Product Carbon Footprint for pgtzwwnp

Quantity: 1.0 unit • **Production Country:** China

System Boundary: Cradle-to-Grave • **Standard:** GHG Protocol

Total PCF: 41.512 kgCO₂e

Carbon Intensity

41.512 kgCO₂e/unit

Emissions per functional unit

Top Material Hotspot

Printed Circuit Board

5.00 kgCO₂e (53.36% of material impact)

Primary Emission Scope

Use Phase (Scope 3)

25.000 kgCO₂e (50.98% of positive emissions)

End-of-Life Credit

-7.476 kgCO₂e

Lifecycle Stage Breakdown

Materials (Scope 3, Cat 1)	9.370 kgCO ₂ e (19.11%)
Upstream Transport (Scope 3, Cat 4)	0.151 kgCO ₂ e (0.31%)
Production (Scope 2 & 3, Cat 3)	1.861 kgCO ₂ e (3.80%)
Downstream Transport (Scope 3, Cat 9)	12.656 kgCO ₂ e (25.81%)
Use Phase (Scope 3, Cat 11)	25.000 kgCO ₂ e (50.98%)
End-of-Life Treatment (Scope 3, Cat 12)	-7.476 kgCO ₂ e (Credit)

Percentages of total positive emissions (49.038 kgCO₂e)

