

carboncalcpcf.com

# Product Carbon Footprint Dashboard

Product: **mxgfqspndf**

Total PCF: **7.34** kgCO<sub>2</sub>e/unit

Total Footprint

**7.34** kgCO<sub>2</sub>e/unit

Carbon Intensity

**7.34** kgCO<sub>2</sub>e/unit

Top Material Hotspot

**PCB Assembly (0.800 kgCO<sub>2</sub>e)**

Primary Emission Scope

## Scope 3 (Use Phase)

### Lifecycle Stage Breakdown

Use Phase	36.98%
Production Elec.	33.80%
Materials (P.G.&S)	27.96%
Transportation	1.04%
End-of-Life	0.24%

### Top Material Carbon Impact

PCB Assembly	0.800 kgCO <sub>2</sub> e
--------------	---------------------------

### Highlights & Key Insights

Microcontroller	0.500 kgCO <sub>2</sub> e
-----------------	---------------------------

- The **Use Phase** is the largest contributor, accounting for 36.98% of the total PCF due to ongoing energy consumption.

Plastic Casing	0.375 kgCO <sub>2</sub> e
----------------	---------------------------

- **Manufacturing electricity** in China is a significant hotspot (33.80%), indicating potential for further renewable energy integration.

