

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
XLC-40	1.71	Raw Material Manufacturing	1.64	95.91	XLC-40-H	2024/2/11
		Raw Material Transportation	0.01	0.58		
		Power Supply Manufacturing	0.06	3.50		

Raw Material Manufacturing Stage Information

Note: The carbon footprint calculation for raw material manufacturing is based on the global SimaPro database coefficients. In the future, we plan to integrate carbon footprint assessments of the supply chain along with training and exchanges, gradually establishing the MWPPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	1.6429	100.00%
1*: CASE Category	0.1355	8.25%
1A: Resistance Category	0.1510	9.19%
1B: Capacitance Category	0.1934	11.77%
1D: Inductor Category	0.3562	21.68%
1E: Electronic Components Category	0.0174	1.06%
1H: Insulation, Plastic Category	0.0349	2.12%
1J: Packaging	0.0332	2.02%
1M: Manufacturing Consumables	<0.0001	<0.01%
1Z: PCB Printed Circuit Board	0.2119	12.90%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.2301	14.00%
2C: SMD Semiconductor Category	0.2424	14.75%
2D: SMD Inductor Category	0.0332	2.02%
2E: SMD Electronic Component	0.0038	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%

SDG Group Carbon Neutrality Team