

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NGE100	3.67	Raw Material Manufacturing	3.45	94.00	NGE100	2024/2/11
		Raw Material Transportation	0.01	0.27		
		Power Supply Manufacturing	0.21	5.73		

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	3.4453	100.00%
1*: CASE Category	0.2442	7.09%
1B: Capacitance Category	0.1102	3.20%
1D: Inductor Category	0.8880	25.77%
1E: Electronic Components Category	0.0030	<0.01%
1F: Wire, Connector, AC Cable	0.0570	1.65%
1G: Metal Category	0.0063	<0.01%
1H: Insulation, Plastic Category	0.0187	0.54%
1J: Packaging	<0.0001	<0.01%
1M: Manufacturing Consumables	0.7740	22.47%
1Z: PCB Printed Circuit Board	0.1868	5.42%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.2442	7.09%
2C: SMD Semiconductor Category	0.9058	26.29%
2D: SMD Inductor Category	0.0071	<0.01%
4B: Stickers	0.0003	<0.01%
5A: Outer Box	<0.0001	<0.01%
5D: Cardboard	<0.0001	<0.01%

SDG Group Carbon Neutrality Team