

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NSP-320	8.85	Raw Material Manufacturing	8.60	97.17	NSP-320-12	2025/10/20
		Raw Material Transportation	<0.01	0.00		
		Power Supply Manufacturing	0.25	2.83		

Raw Material Manufacturing Stage Information

Note: The carbon footprint calculation for raw material manufacturing is based on the global SimaPro database coefficients. Combine supply chain carbon footprint assessment with training and communication, and gradually establish MWPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	8.5971	100.00%
1*: CASE Category	0.1637	1.90%
1A: Resistance Category	0.2520	2.93%
1B: Capacitance Category	0.5193	6.04%
1C: Semiconductor Category	3.1899	37.10%
1D: Inductor Category	2.4425	28.41%
1E: Electronic Components Category	0.2725	3.17%
1F: Wire, Connector, AC Cable	0.0051	<0.01%
1G: Metal Category	0.0070	<0.01%
1H: Insulation, Plastic Category	0.0930	1.08%
1J: Packaging	0.0856	1.00%
1M: Manufacturing Consumables	0.0170	<0.01%
1Z: PCB Printed Circuit Board	0.4286	4.99%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.2870	3.34%
2C: SMD Semiconductor Category	0.7667	8.92%
2D: SMD Inductor Category	0.0115	<0.01%
4A: Screws, Washers, Copper Columns	0.0170	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	0.0388	<0.01%

SDG Group Carbon Neutrality Team