

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NSP-1600	27.64	Raw Material Manufacturing	26.16	94.65	NSP-1600-24	2024/2/7
		Raw Material Transportation	0.02	0.07		
		Power Supply Manufacturing	1.46	5.28		

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 MWPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	26.1583	100.00%
1*: CASE Category	0.2874	1.10%
1A: Resistance Category	1.1208	4.28%
1B: Capacitance Category	1.1797	4.51%
1C: Semiconductor Category	10.7956	41.27%
1D: Inductor Category	6.2437	23.87%
1E: Electronic Components Category	0.5613	2.15%
1F: Wire, Connector, AC Cable	0.0292	<0.01%
1G: Metal Category	0.1325	0.51%
1H: Insulation, Plastic Category	0.2358	0.90%
1J: Packaging	0.4363	1.67%
1M: Manufacturing Consumables	0.0189	<0.01%
1Z: PCB Printed Circuit Board	1.0812	4.13%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.4304	1.65%
2C: SMD Semiconductor Category	3.1903	12.20%
2D: SMD Inductor Category	0.0183	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0243	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.1184	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	0.1561	0.60%
5B: Casing	0.0012	<0.01%
5F: Pulp Molding	0.0972	<0.01%