

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NSP-3200	36.86	Raw Material Manufacturing	35.23	95.58	NSP-3200-24	2024/2/7
		Raw Material Transportation	0.02	0.05		
		Power Supply Manufacturing	1.61	4.37		

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	35.2269	100.00%
1*: CASE Category	0.3434	0.97%
1A: Resistance Category	1.2537	3.56%
1B: Capacitance Category	1.3332	3.78%
1C: Semiconductor Category	14.7103	41.76%
1D: Inductor Category	7.0775	20.09%
1E: Electronic Components Category	0.6311	1.79%
1F: Wire, Connector, AC Cable	0.0333	<0.01%
1G: Metal Category	0.1580	<0.01%
1H: Insulation, Plastic Category	0.2740	0.78%
1J: Packaging	0.0410	<0.01%
1M: Manufacturing Consumables	0.0347	<0.01%
1Z: PCB Printed Circuit Board	1.5706	4.46%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	1.1138	3.16%
2C: SMD Semiconductor Category	6.1166	17.36%
2D: SMD Inductor Category	0.0376	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0376	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.1316	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	0.2317	0.66%
5B: Casing	<0.0001	<0.01%
5F: Pulp Molding	0.0972	<0.01%