

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
HLG-320H-A	19.42	Raw Material Manufacturing	18.10	93.20	HLG-320H-12A	2024/2/7
		Raw Material Transportation	0.03	0.15		
		Power Supply Manufacturing	1.29	6.64		

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	18.0956	100.00%
1*: CASE Category	0.3233	1.79%
1A: Resistance Category	0.8476	4.68%
1B: Capacitance Category	0.5016	2.77%
1C: Semiconductor Category	4.4191	24.42%
1D: Inductor Category	5.0680	28.01%
1E: Electronic Components Category	0.0454	<0.01%
1F: Wire, Connector, AC Cable	0.0585	<0.01%
1G: Metal Category	0.0305	<0.01%
1H: Insulation, Plastic Category	0.0868	<0.01%
1J: Packaging	0.2220	1.23%
1M: Manufacturing Consumables	5.1655	28.55%
1Z: PCB Printed Circuit Board	0.5189	2.87%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.1561	0.86%
2C: SMD Semiconductor Category	0.4769	2.64%
2D: SMD Inductor Category	0.0219	<0.01%
4A: Screws, Washers, Copper Columns	0.0447	<0.01%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	0.0743	<0.01%
5B: Casing	<0.0001	<0.01%
5D: Cardboard	0.0346	<0.01%