



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDL08G65C5	<b>Issued</b>	11. May 2021
<b>MA#</b>	MA001641550		
<b>Package</b>	PG-VSON-4-1	<b>Weight*</b>	184.30 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.012	0.01		64	
	noble metal	gold	7440-57-5	0.046	0.02		249	
	inorganic material	silicon	7440-21-3	0.488	0.26	0.29	2647	2960
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		69	
	non noble metal	zinc	7440-66-6	0.051	0.03		276	
	non noble metal	iron	7439-89-6	1.017	0.55		5519	
	non noble metal	copper	7440-50-8	41.300	22.41	23.00	224095	229959
wire	non noble metal	copper	7440-50-8	0.490	0.27	0.27	2660	2660
encapsulation	organic material	carbon black	1333-86-4	0.226	0.12		1228	
	plastics	epoxy resin	-	11.657	6.33		63251	
	inorganic material	silicondioxide	60676-86-0	101.292	54.95	61.40	549609	614088
leadfinish	non noble metal	tin	7440-31-5	2.397	1.30	1.30	13009	13009
plating	noble metal	silver	7440-22-4	0.252	0.14	0.14	1367	1367
heatspreader	inorganic material	phosphorus	7723-14-0	0.008			41	
	non noble metal	zinc	7440-66-6	0.030	0.02		163	
	non noble metal	iron	7439-89-6	0.601	0.33		3263	
	non noble metal	copper	7440-50-8	24.418	13.25	13.60	132490	135957
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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